

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082520\
 Data File : VU039975.D
 Acq On : 25 Aug 2020 18:33
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Aug 26 03:46:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR081920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 26 03:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	68387	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	66959	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36037	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25527	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.92	69	22885	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.58	63	58535	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.40%
20) 2-Butanone-d5	4.66	46	89219	46.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.48%
24) Chloroform-d	5.08	84	55765	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	32557	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.75	84	104903	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.70	67	34291	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.91	98	92592	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	8.19	79	13830	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.64	63	65135	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26234	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	36307	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	38266	5.383 ug/L	96
3) Chloromethane	1.53	50	35277	4.387 ug/L	96
5) Vinyl chloride	1.61	62	36512	4.799 ug/L	96
6) Bromomethane	1.86	94	15322	3.527 ug/L	99
8) Chloroethane	1.94	64	22218	4.566 ug/L	100
9) Trichlorofluoromethane	2.15	101	59625	5.239 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	32181	5.140 ug/L	94
12) 1,1-Dichloroethene	2.59	96	29672	4.961 ug/L	87
13) Acetone	2.67	43	63644	48.791 ug/L #	51
14) Carbon disulfide	2.81	76	90808	4.698 ug/L	99
15) Methyl Acetate	2.97	43	15204	4.541 ug/L	97
16) Methylene chloride	3.06	84	33860	4.117 ug/L	98
17) Methyl tert-butyl Ether	3.39	73	79575	5.276 ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	30876	4.971 ug/L	86
19) 1,1-Dichloroethane	3.89	63	62502	5.427 ug/L	95
21) 2-Butanone	4.74	43	104527	46.118 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	33835	5.203 ug/L	89

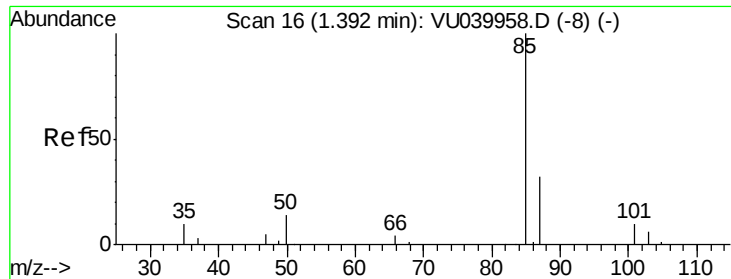
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082520\
 Data File : VU039975.D
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	15515	5.072	ug/L	94
25) Chloroform	5.11	83	65895	5.645	ug/L	98
27) 1,2-Dichloroethane	5.81	62	44969	5.490	ug/L	95
29) 1,1,1-Trichloroethane	5.34	97	58212	5.910	ug/L	99
30) Cyclohexane	5.41	56	51312	5.262	ug/L	97
31) Carbon tetrachloride	5.54	117	49925	5.741	ug/L	96
33) Benzene	5.79	78	131995	5.424	ug/L	100
34) Trichloroethene	6.56	95	34018	5.387	ug/L	92
35) Methylcyclohexane	6.77	83	50229	5.192	ug/L	96
37) 1,2-Dichloropropane	6.80	63	35873	5.547	ug/L	97
38) Bromodichloromethane	7.11	83	46380	5.644	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	47954	5.306	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	251451	49.100	ug/L	98
42) Toluene	7.98	91	134785	5.416	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	44051	5.187	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	24724	5.032	ug/L	95
47) Tetrachloroethene	8.56	164	25949	5.570	ug/L	91
48) 2-Hexanone	8.69	43	182235	49.656	ug/L	97
49) Dibromochloromethane	8.82	129	29318	4.998	ug/L	95
50) 1,2-Dibromoethane	8.93	107	23382	4.997	ug/L #	98
51) Chlorobenzene	9.45	112	84006	5.170	ug/L	93
52) Ethylbenzene	9.57	91	144457	5.337	ug/L	99
53) m,p-Xylene	9.70	106	55079	5.301	ug/L	98
54) o-Xylene	10.10	106	53153	5.412	ug/L	93
55) Styrene	10.11	104	92191	5.415	ug/L	97
56) Isopropylbenzene	10.48	105	140171	5.324	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	30032	4.734	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	22040	4.757	ug/L	98
61) Bromoform	10.29	173	17040	5.369	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	68493	5.133	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	69143	5.090	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	65316	5.072	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	5536	5.257	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	52363	5.284	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	45286	5.357	ug/L	99
69) Naphthalene	14.08	128	74047	4.742	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	41218	5.218	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 5.383 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

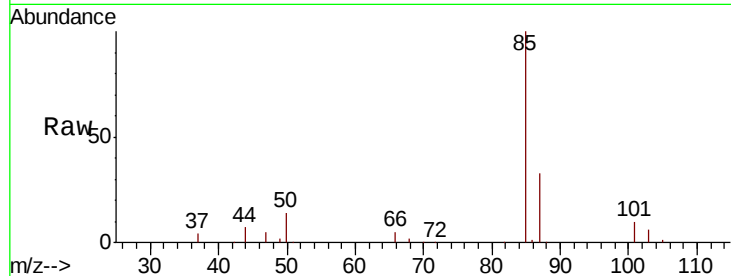
VSTD00510

Tot Ion: 85 Resp: 38266

Ion Ratio Lower Upper

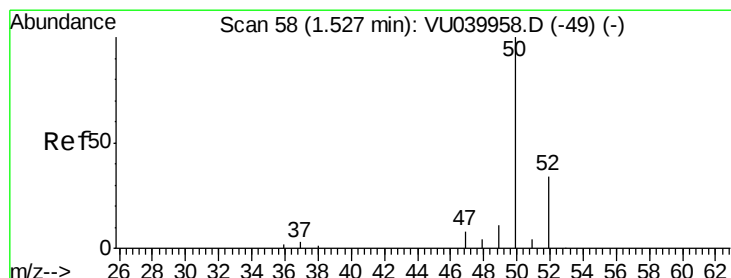
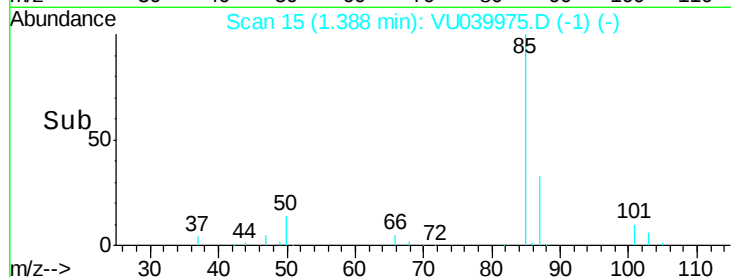
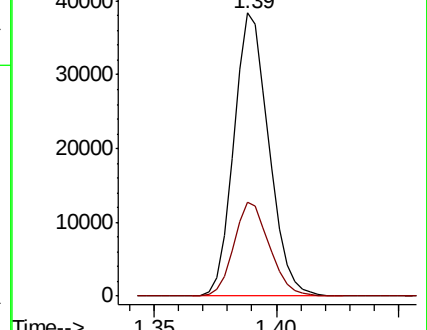
85 100

87 33.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039975.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039975.D (-8) (-)



#3

Chloromethane

Concen: 4.387 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039975.D

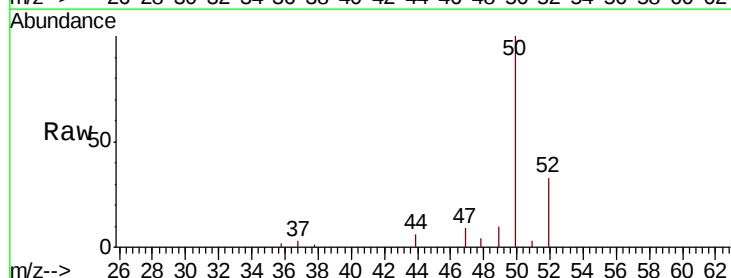
Acq: 25 Aug 2020 18:33

Tgt Ion: 50 Resp: 35277

Ion Ratio Lower Upper

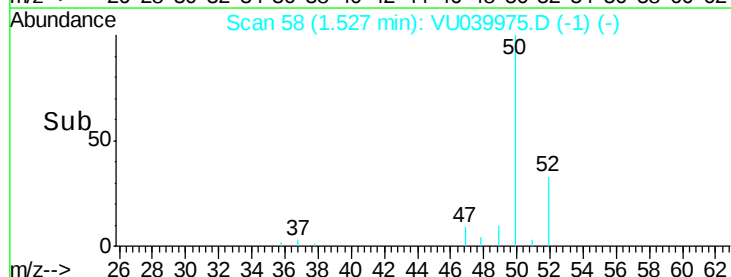
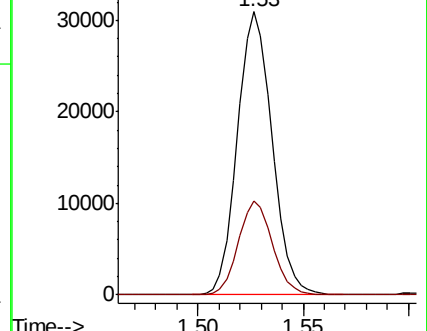
50 100

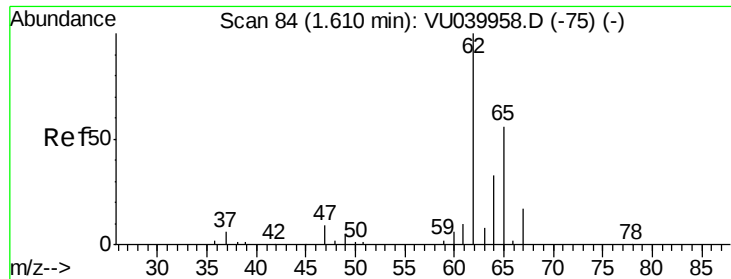
52 33.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU039975.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039975.D (-49) (-)





#5

Vinyl chloride

Concen: 4.799 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

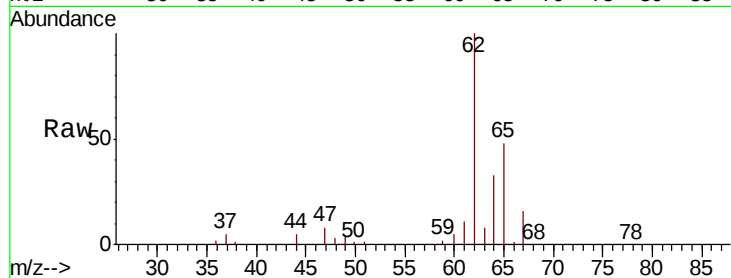
VSTD00510

Tot Ion: 62 Resp: 36512

Ion Ratio Lower Upper

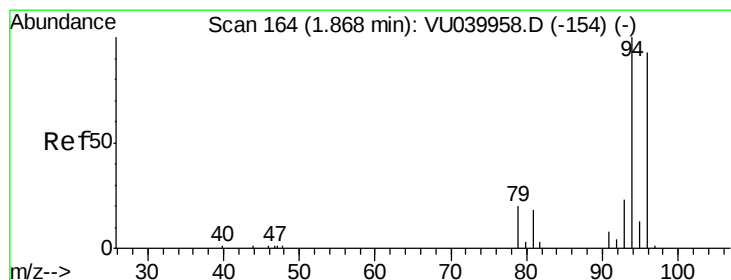
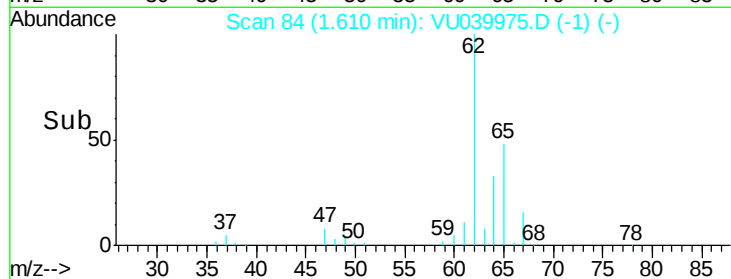
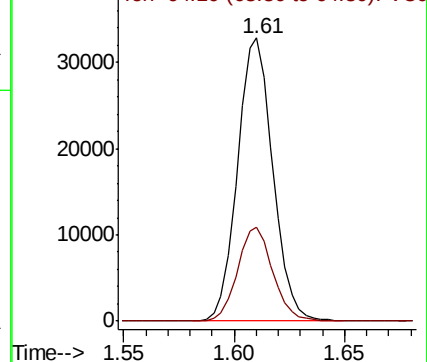
62 100

64 33.2 21.6 40.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.527 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039975.D

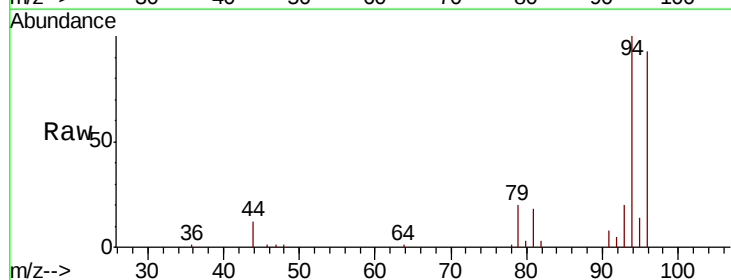
Acq: 25 Aug 2020 18:33

Tgt Ion: 94 Resp: 15322

Ion Ratio Lower Upper

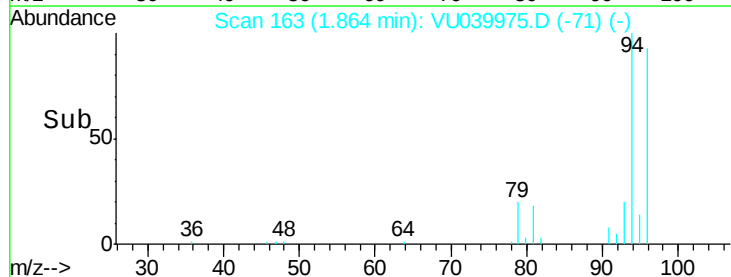
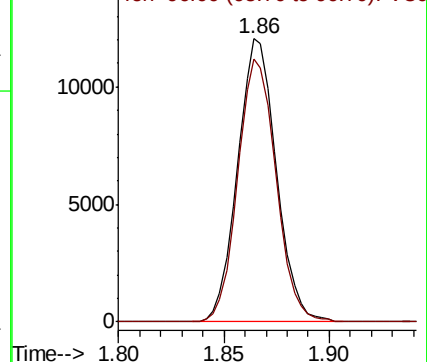
94 100

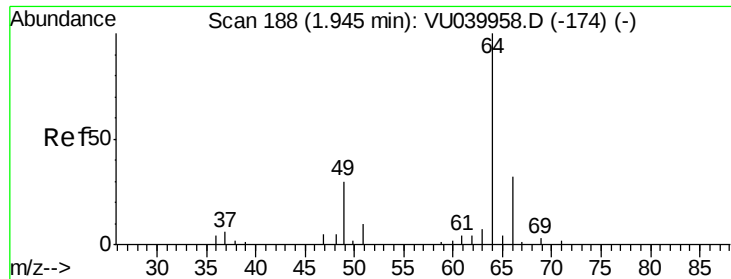
96 92.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.566 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

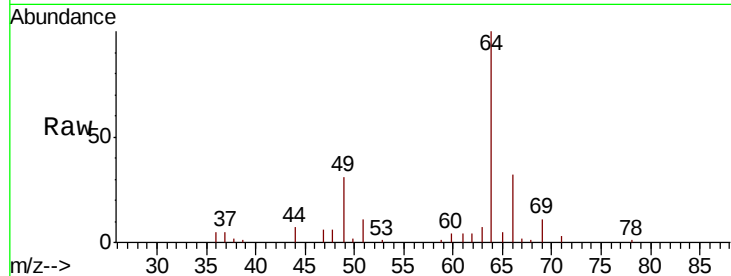
VSTD00510

Tot Ion: 64 Resp: 22218

Ion Ratio Lower Upper

64 100

66 32.1 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VU039975.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU039975.D (-95) (-)

1.94

15000

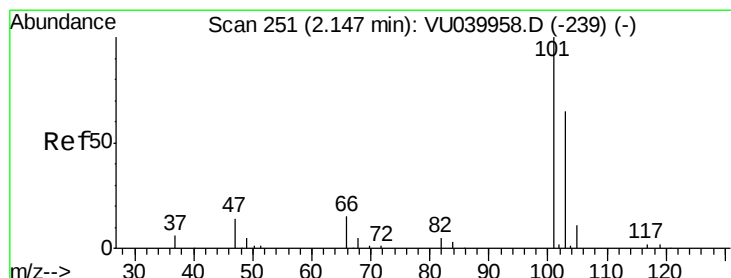
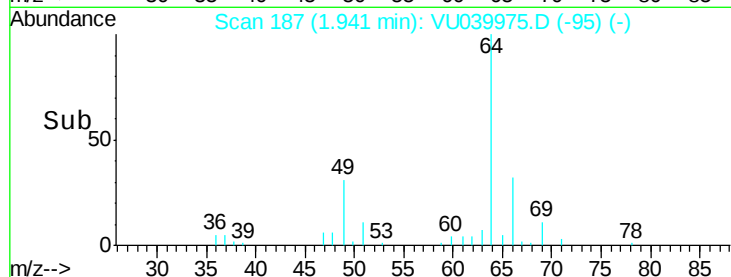
10000

5000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 5.239 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039975.D

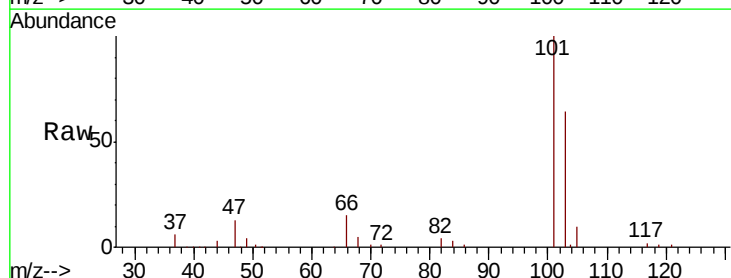
Acq: 25 Aug 2020 18:33

Tgt Ion:101 Resp: 59625

Ion Ratio Lower Upper

101 100

103 65.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU039975.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU039975.D (-158) (-)

2.15

50000

40000

30000

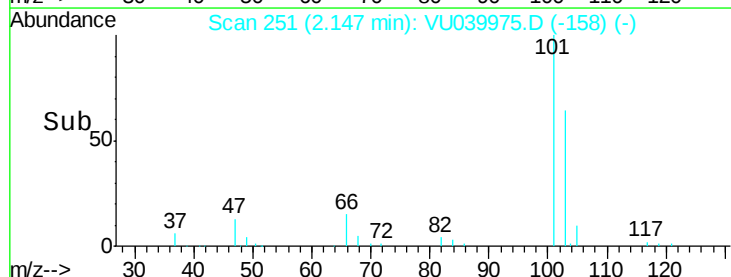
20000

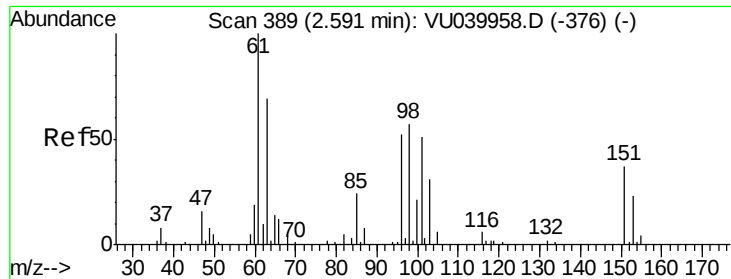
10000

0

Time-->

2.10 2.15 2.20





#10

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

Concen: 5.140 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

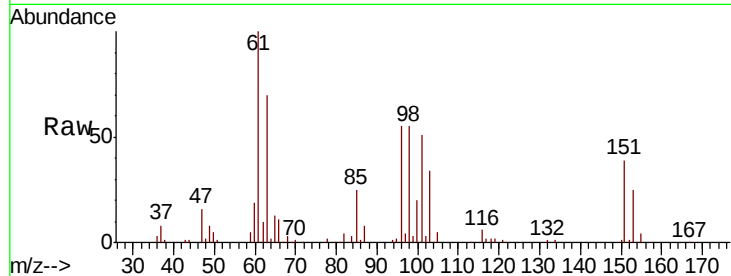
Tot Ion:101 Resp: 32181

Ion Ratio Lower Upper

101 100

85 46.1 34.5 51.7

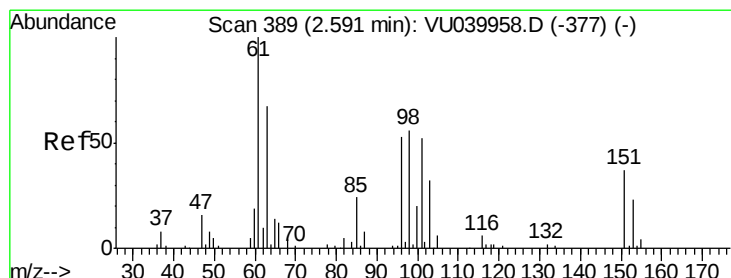
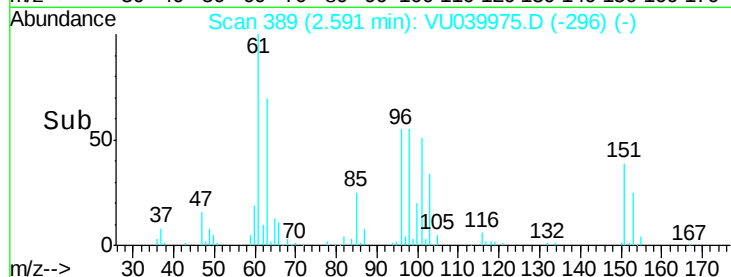
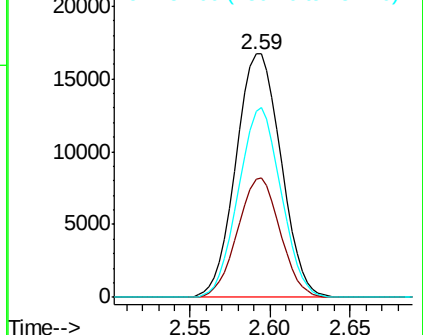
151 73.7 54.4 81.6



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: 4.961 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

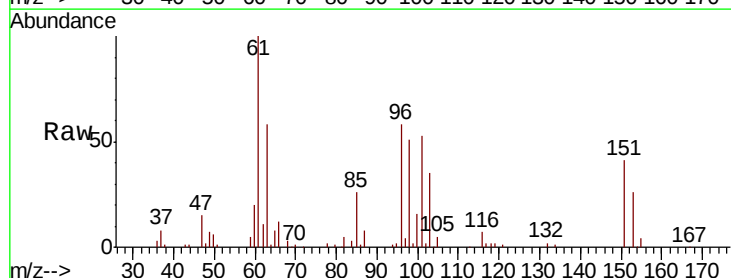
Tgt Ion: 96 Resp: 29672

Ion Ratio Lower Upper

96 100

61 172.6 126.8 235.4

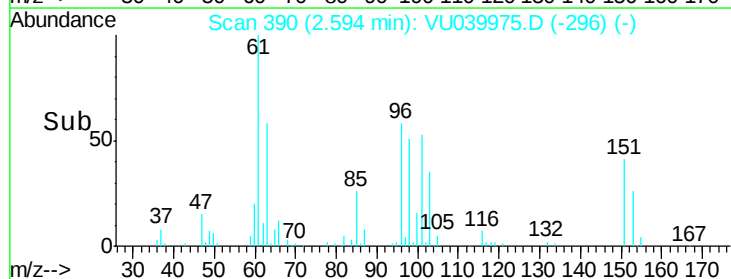
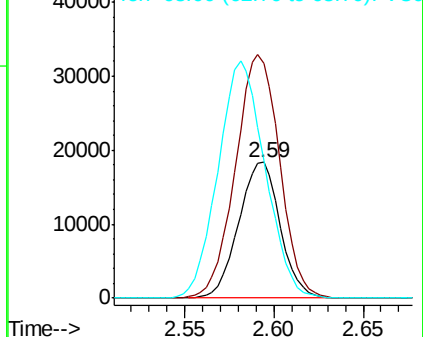
63 100.7 88.6 164.6

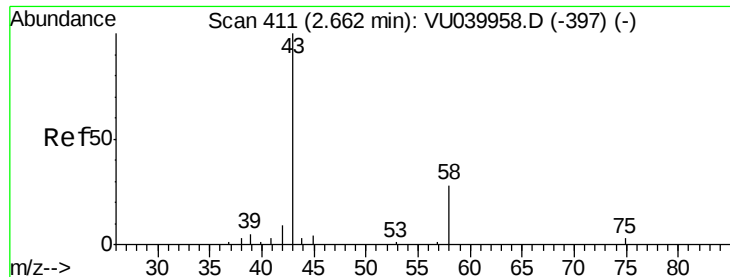


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.791 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

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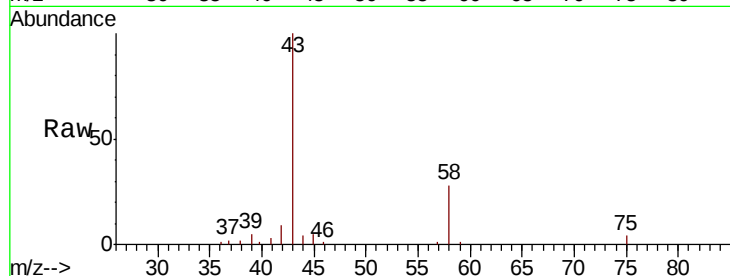
VSTD00510

Tot Ion: 43 Resp: 63644

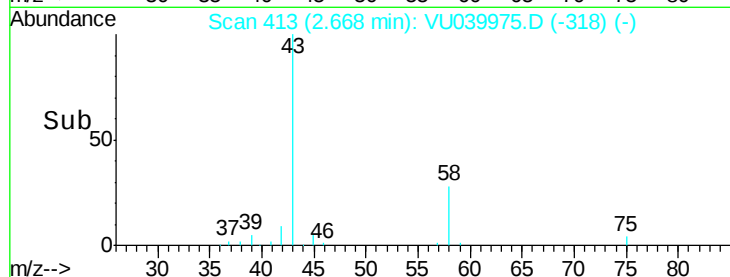
Ion Ratio Lower Upper

43 100

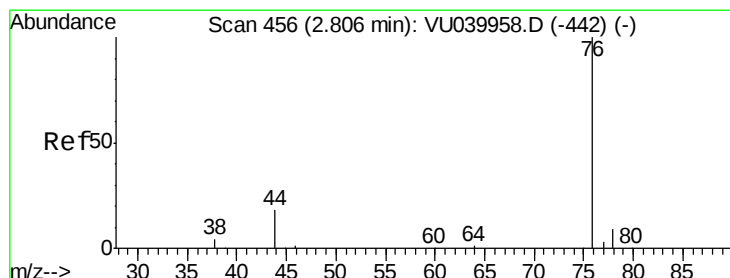
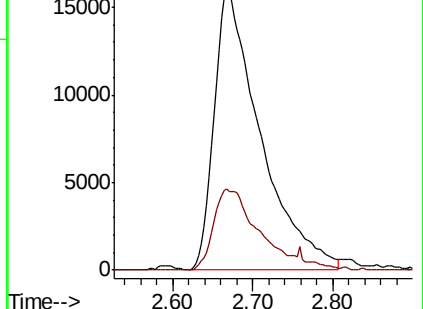
58 27.3 0.0 19.0#



Abundance Ion 43.05 (42.75 to 43.75): VU039975.D (-318) (-)



Ion 58.05 (57.75 to 58.75): VU039975.D (-318) (-)



#14

Carbon disulfide

Concen: 4.698 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039975.D

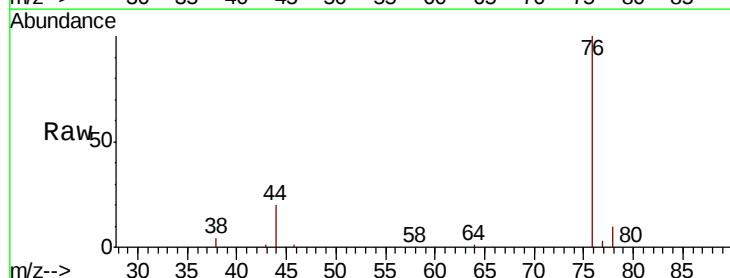
Acq: 25 Aug 2020 18:33

Tgt Ion: 76 Resp: 90808

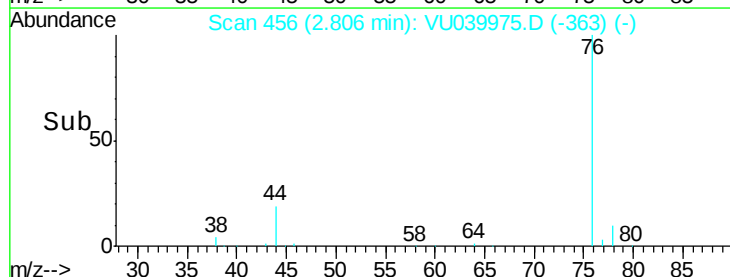
Ion Ratio Lower Upper

76 100

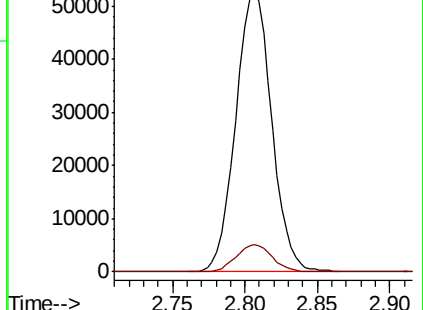
78 9.5 7.4 11.0

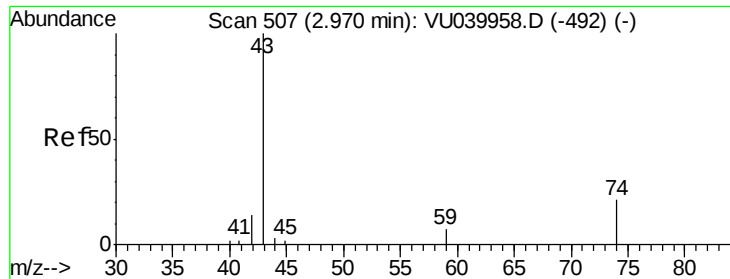


Abundance Ion 76.05 (75.75 to 76.75): VU039975.D (-363) (-)



Ion 78.00 (77.70 to 78.70): VU039975.D (-363) (-)

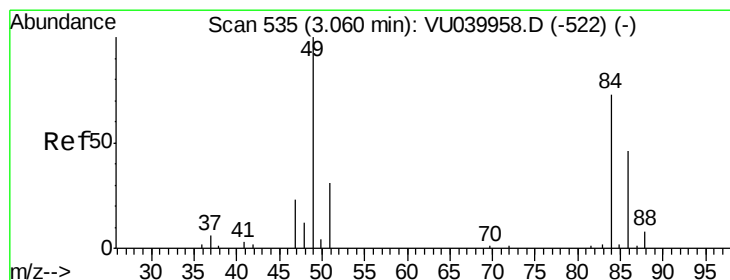
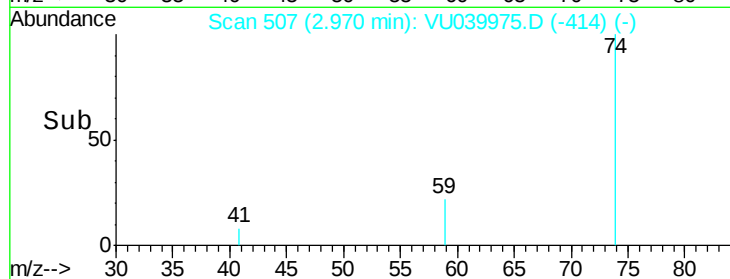
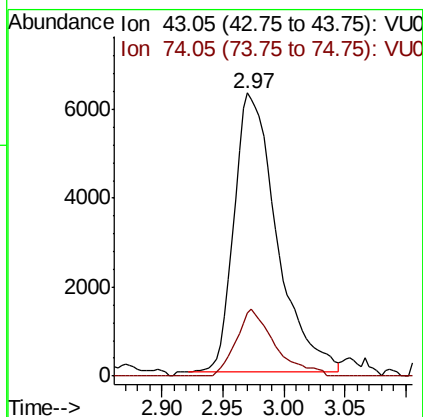
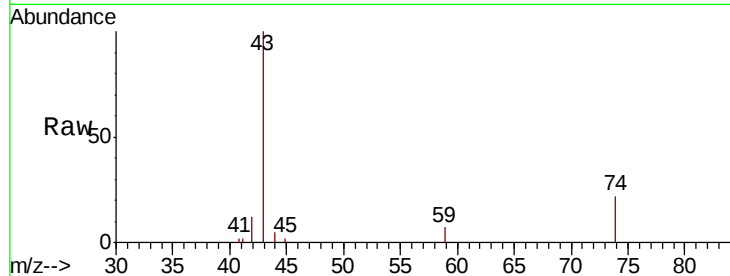




#15
Methvl Acetate
Concen: 4.541 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

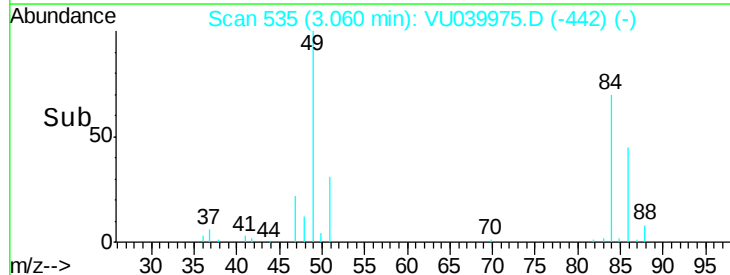
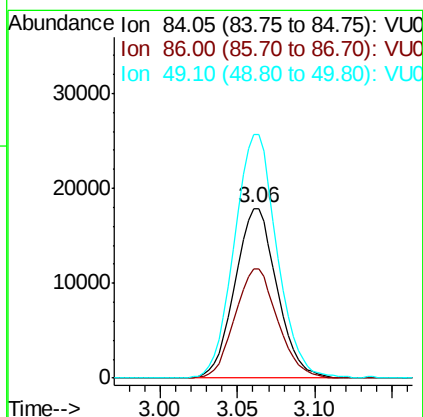
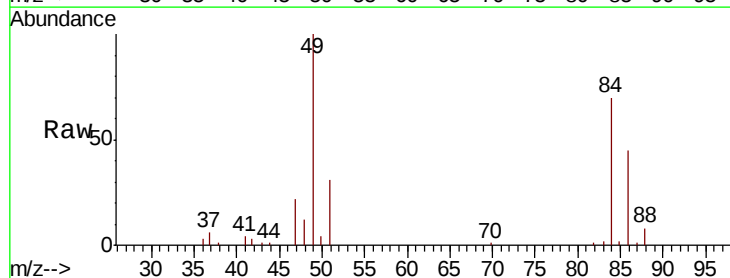
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

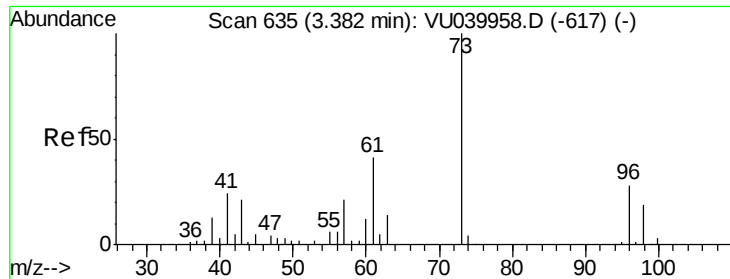
Tot Ion: 43 Resp: 15204
Ion Ratio Lower Upper
43 100
74 21.8 16.3 24.5



#16
Methylene chloride
Concen: 4.117 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion: 84 Resp: 33860
Ion Ratio Lower Upper
84 100
86 64.0 47.2 87.6
49 143.2 99.8 185.4

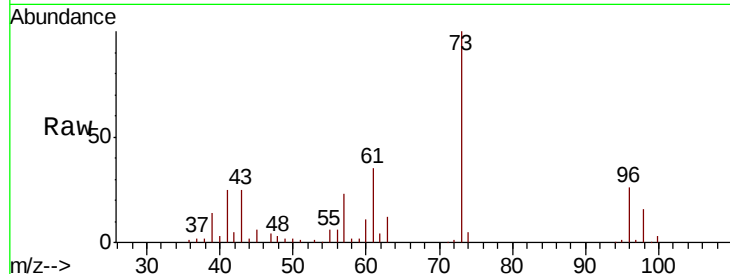




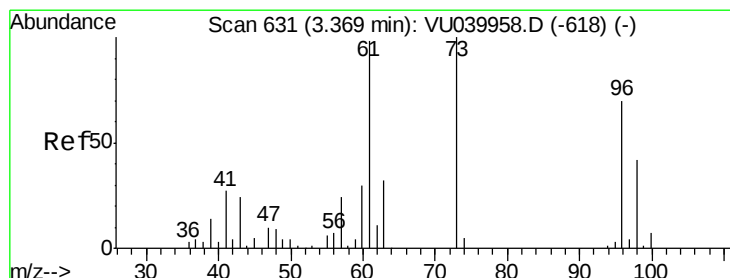
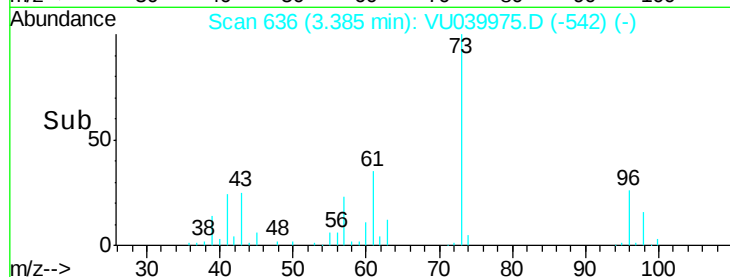
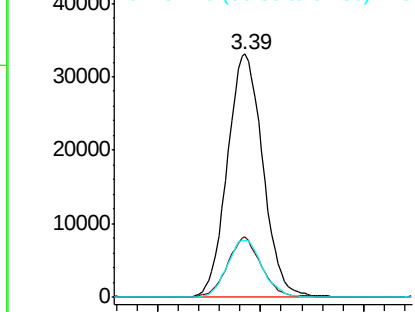
#17
Methvl tert-butvl Ether
Concen: 5.276 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 73 Resp: 79575
Ion Ratio Lower Upper
73 100
43 23.6 16.6 24.8
57 23.3 18.2 27.4

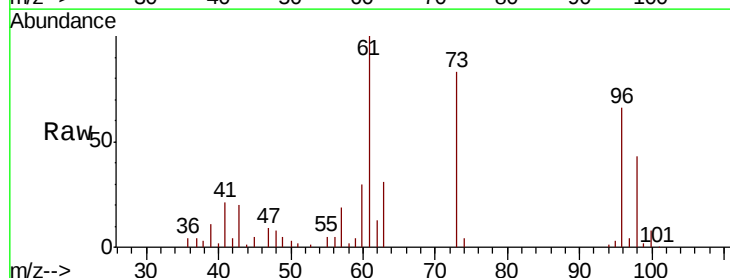


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

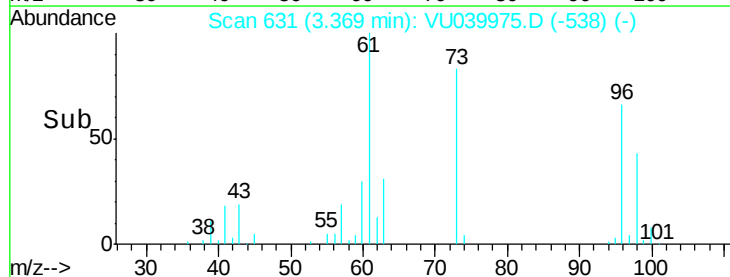
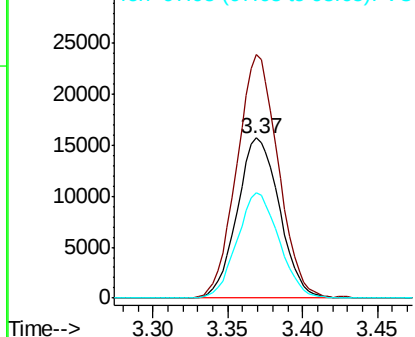


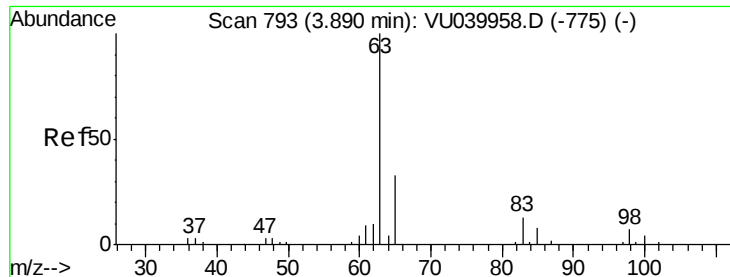
#18
trans-1,2-Dichloroethene
Concen: 4.971 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion: 96 Resp: 30876
Ion Ratio Lower Upper
96 100
61 152.1 93.7 173.9
98 66.0 40.7 75.5



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

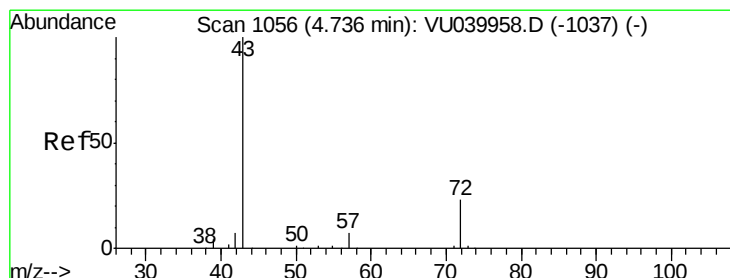
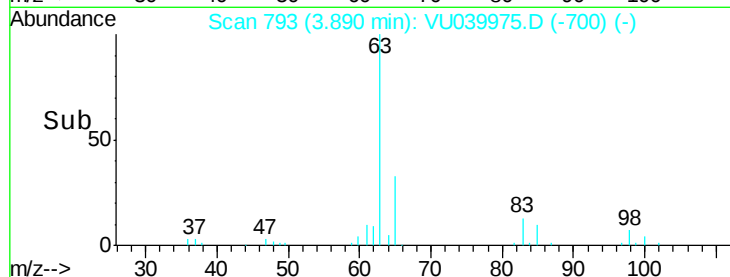
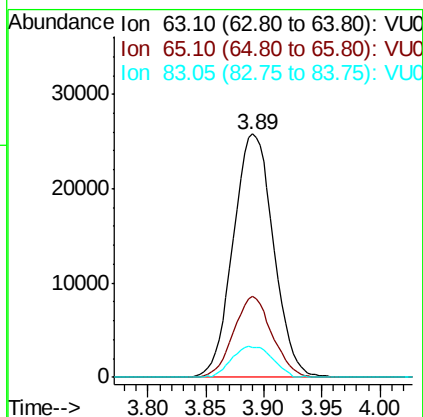
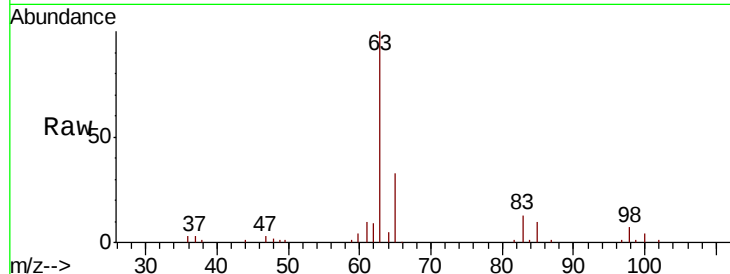




#19
 1,1-Dichloroethane
 Concen: 5.427 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

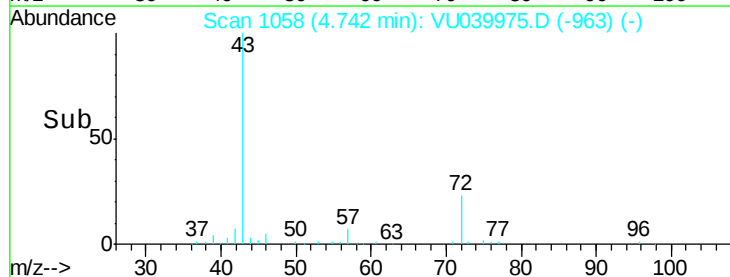
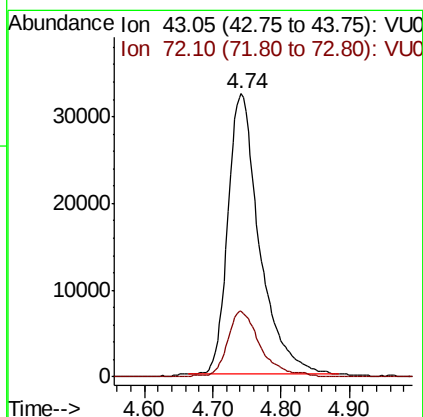
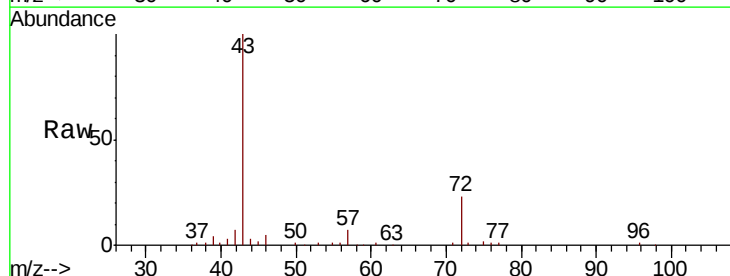
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

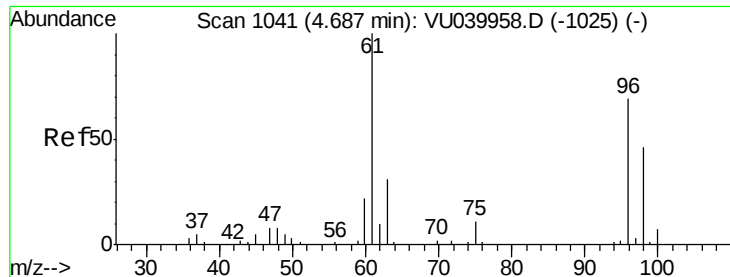
Tot Ion: 63 Resp: 62502
 Ion Ratio Lower Upper
 63 100
 65 33.4 21.6 40.0
 83 12.5 10.3 19.1



#21
 2-Butanone
 Concen: 46.118 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion: 43 Resp: 104527
 Ion Ratio Lower Upper
 43 100
 72 24.1 12.7 38.0





#22

cis-1,2-Dichloroethene

Concen: 5.203 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

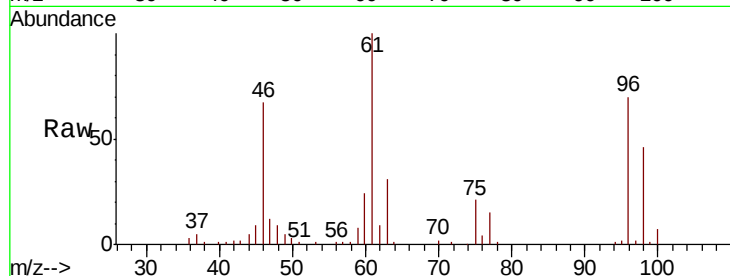
Tot Ion: 96 Resp: 33835

Ion Ratio Lower Upper

96 100

61 142.3 90.9 168.9

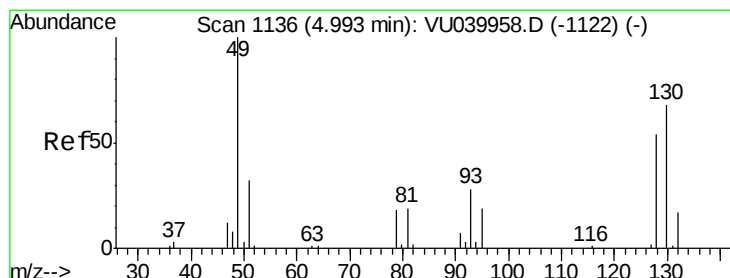
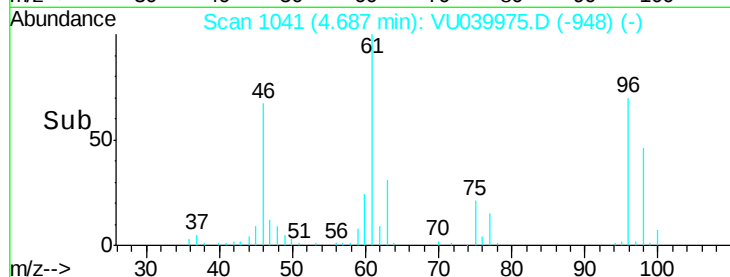
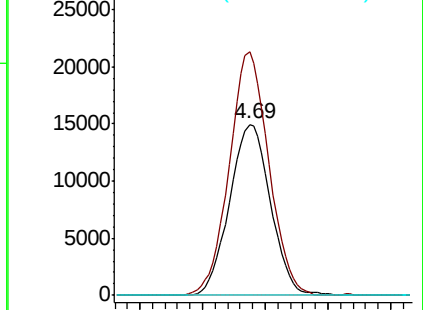
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039975.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU039975.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU039975.D (-1043) (-)



#23

Bromochloromethane

Concen: 5.072 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Tgt Ion: 128 Resp: 15515

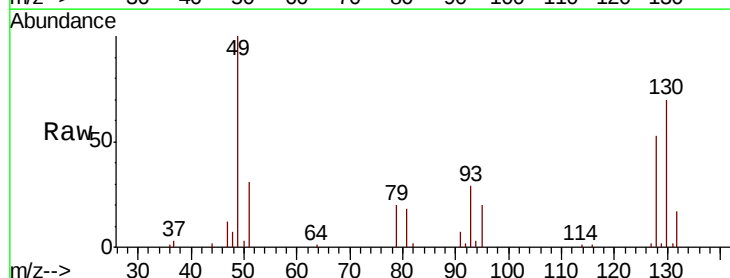
Ion Ratio Lower Upper

128 100

49 188.4 121.2 225.2

130 132.0 90.2 167.6

51 57.6 47.2 70.8

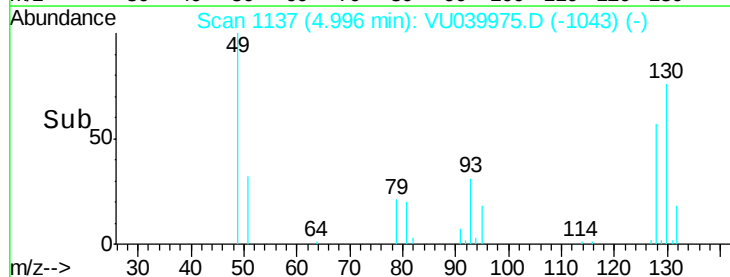
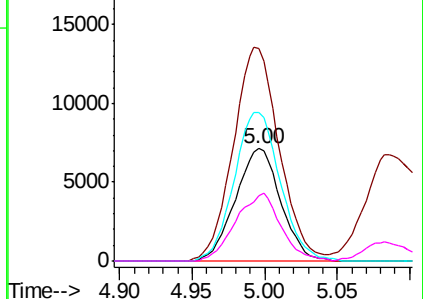


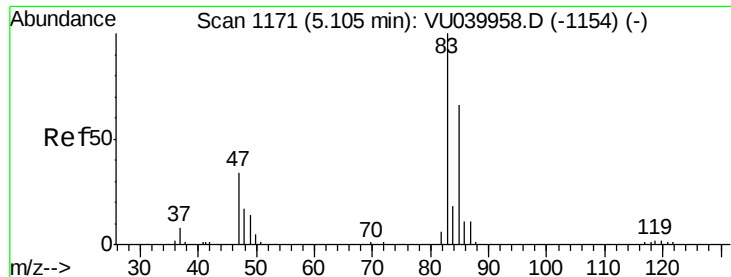
Abundance Ion 127.90 (127.60 to 128.60): VU039975.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU039975.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU039975.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU039975.D (-1043) (-)

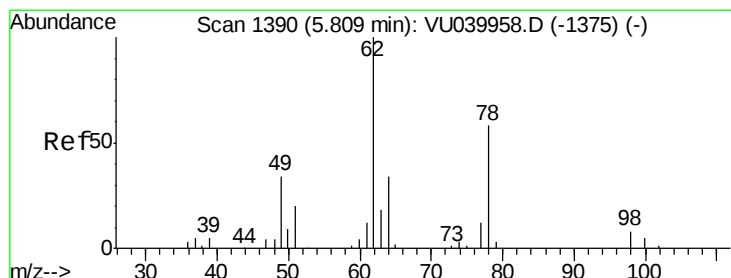
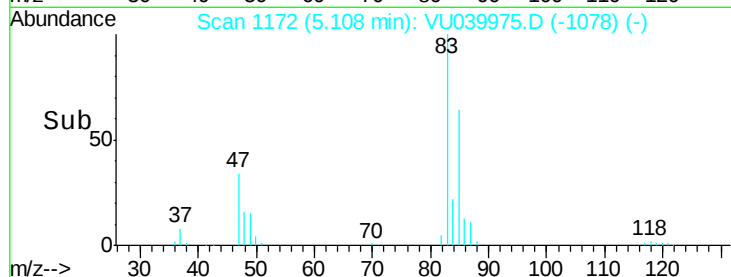
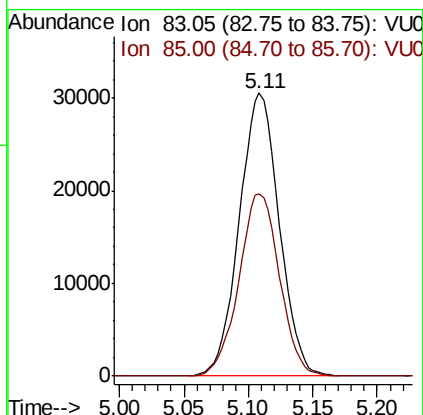
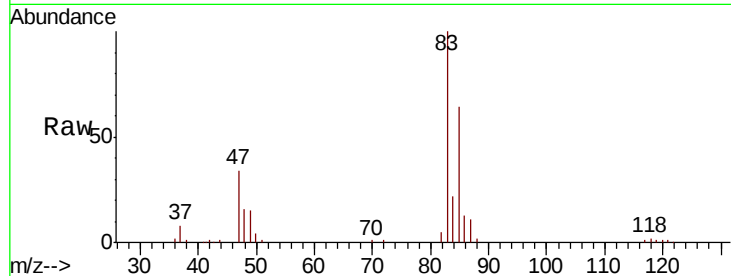




#25
Chloroform
Concen: 5.645 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

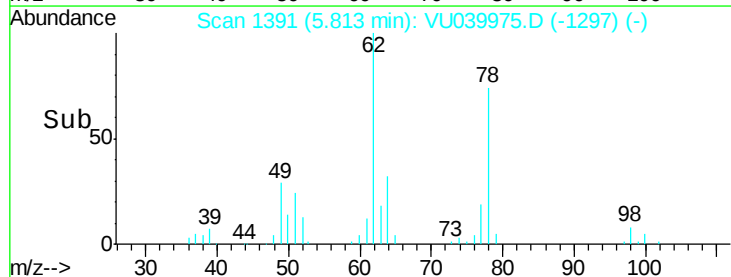
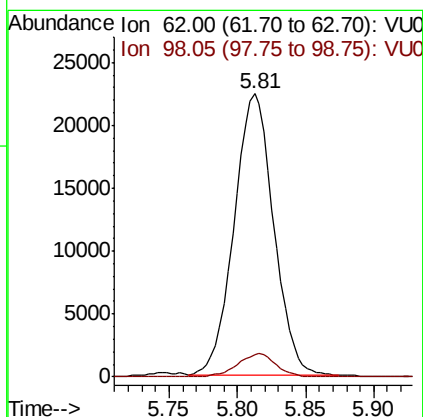
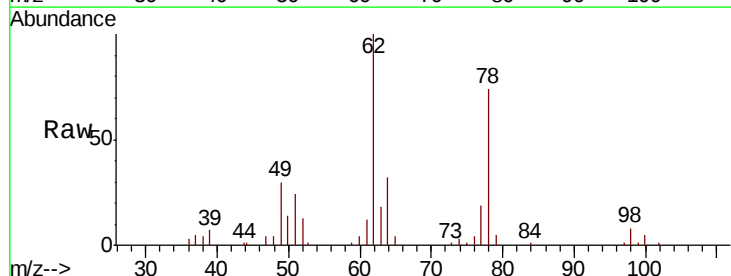
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

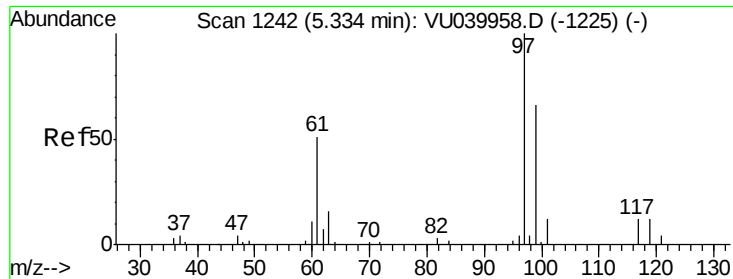
Tot Ion: 83 Resp: 65895
Ion Ratio Lower Upper
83 100
85 64.5 46.4 86.2



#27
1,2-Dichloroethane
Concen: 5.490 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion: 62 Resp: 44969
Ion Ratio Lower Upper
62 100
98 7.6 7.4 11.2

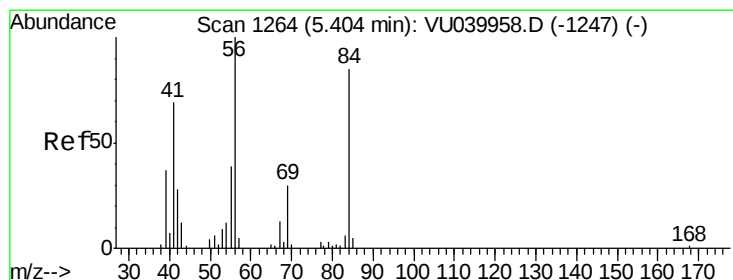
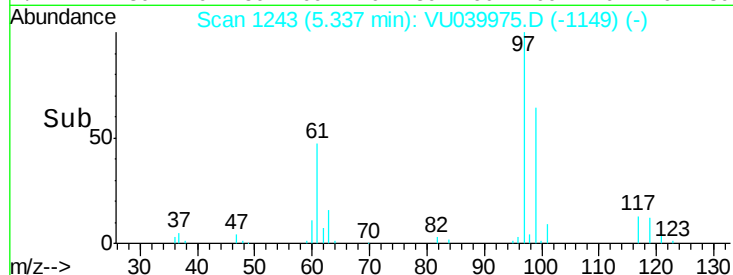
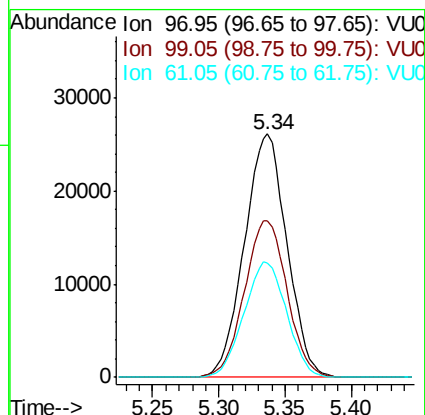
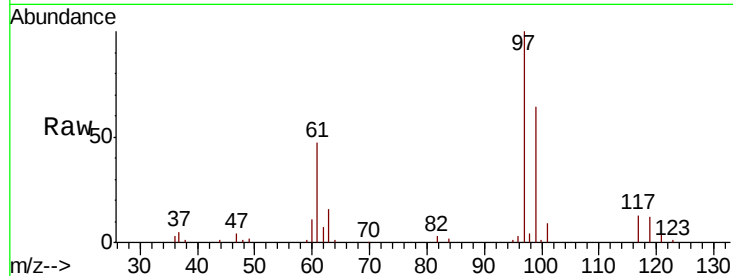




#29
 1,1,1-Trichloroethane
 Concen: 5.910 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

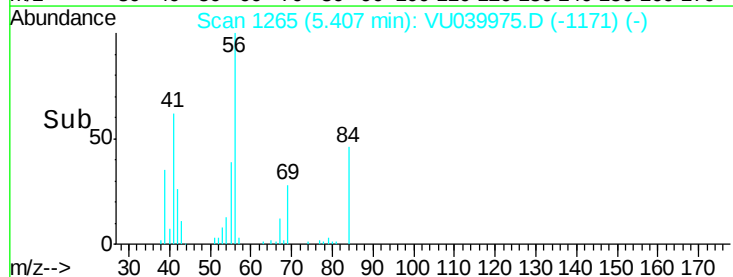
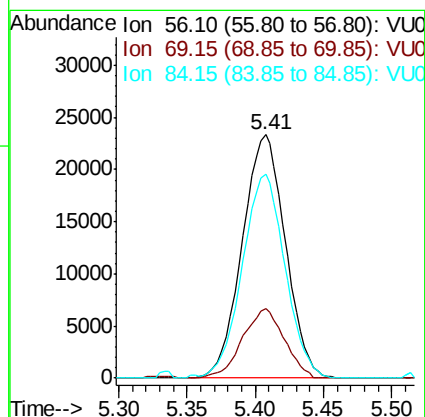
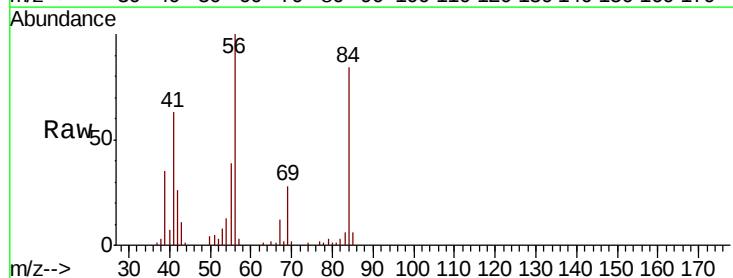
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

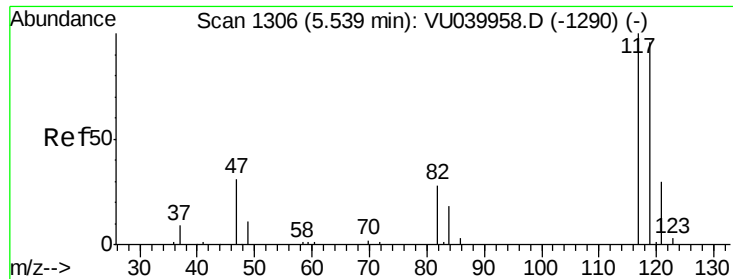
Tot Ion: 97 Resp: 58212
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.2
 61 47.6 39.1 58.7



#30
 Cyclohexane
 Concen: 5.262 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion: 56 Resp: 51312
 Ion Ratio Lower Upper
 56 100
 69 27.6 23.1 34.7
 84 83.1 69.0 103.6





#31

Carbon tetrachloride

Concen: 5.741 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

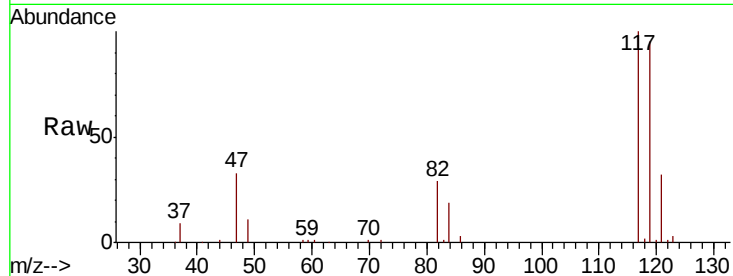
VSTD00510

Tot Ion:117 Resp: 49925

Ion Ratio Lower Upper

117 100

119 93.4 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

25000

20000

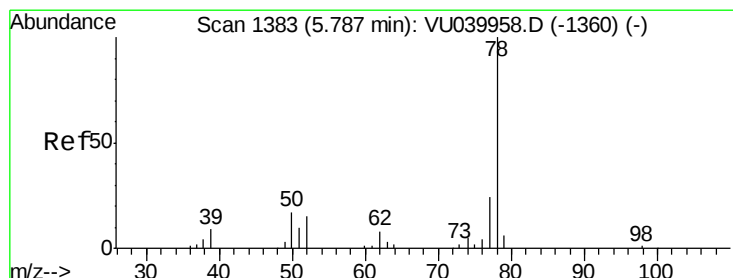
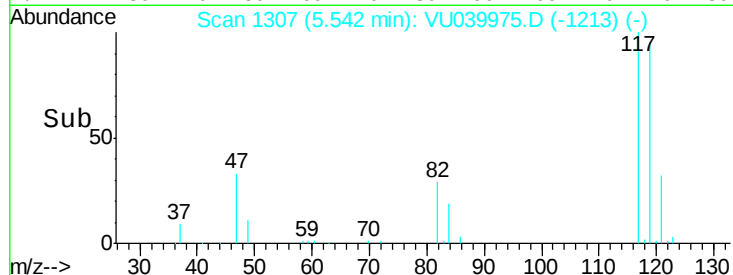
15000

10000

5000

0

Time-->



#33

Benzene

Concen: 5.424 ug/L

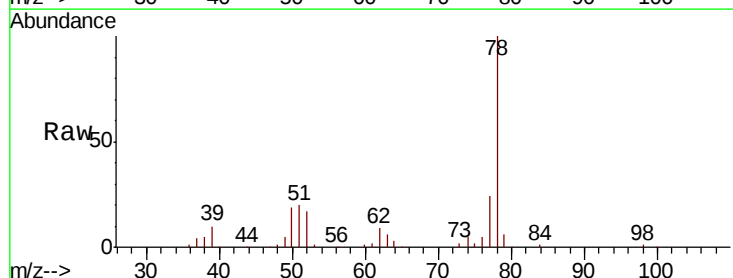
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Tgt Ion: 78 Resp: 131995



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

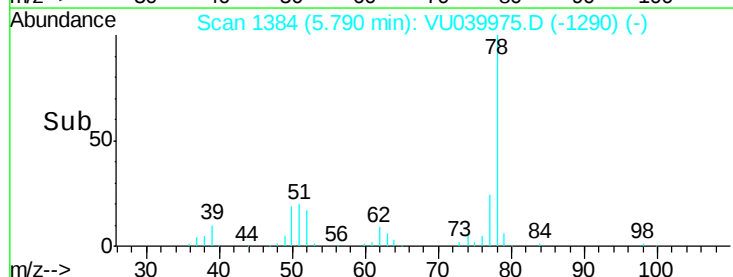
60000

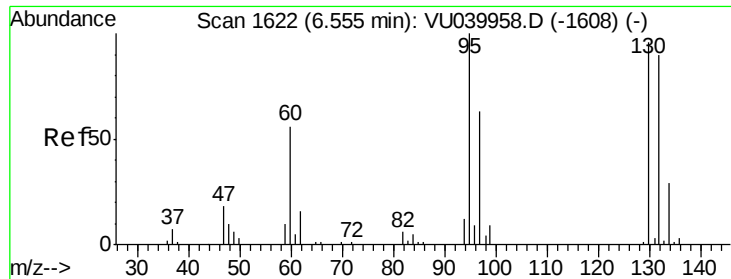
40000

20000

0

Time-->

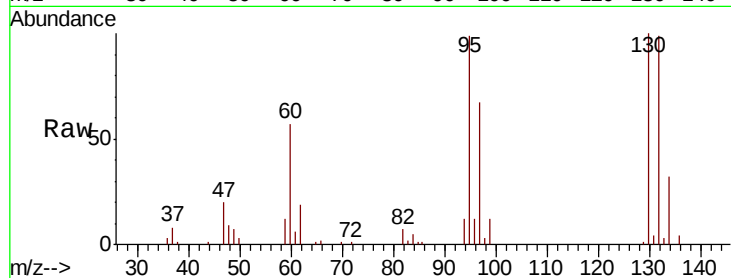




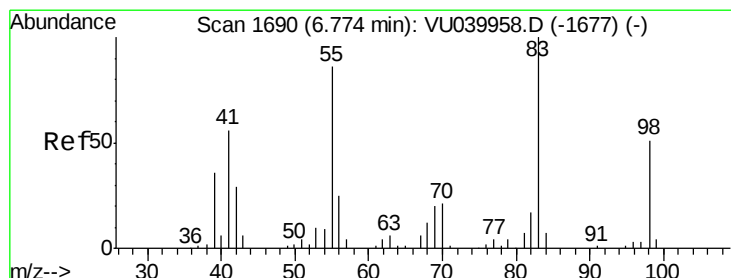
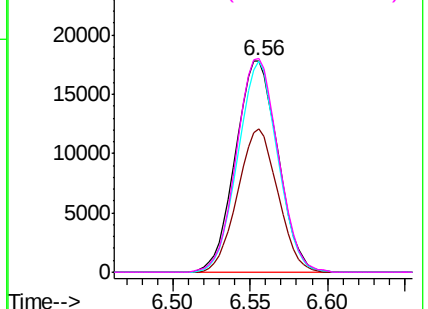
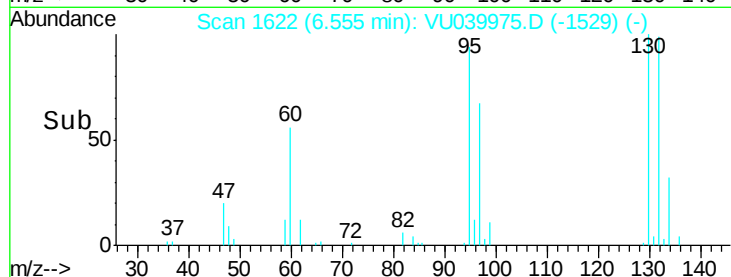
#34
 Trichloroethene
 Concen: 5.387 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 95 Resp: 34018
 Ion Ratio Lower Upper
 95 100
 97 68.0 42.0 78.0
 132 99.7 65.0 120.8
 130 101.1 65.5 121.7

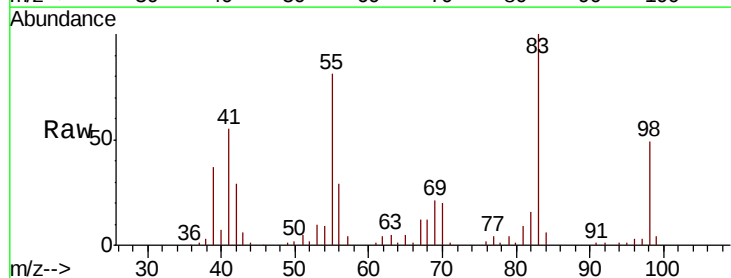


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

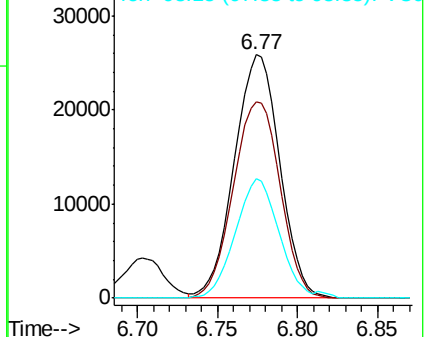
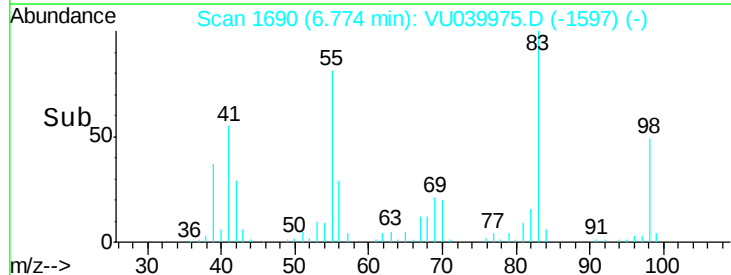


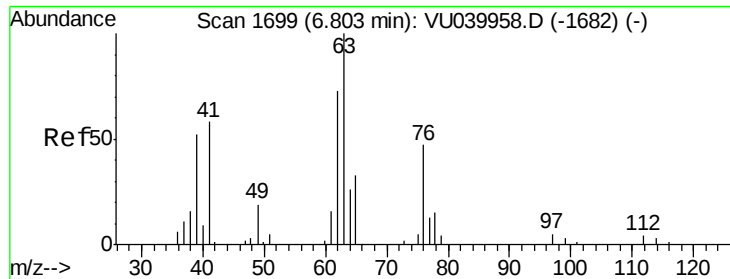
#35
 Methylcyclohexane
 Concen: 5.192 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion: 83 Resp: 50229
 Ion Ratio Lower Upper
 83 100
 55 83.2 64.1 96.1
 98 46.8 39.4 59.0



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

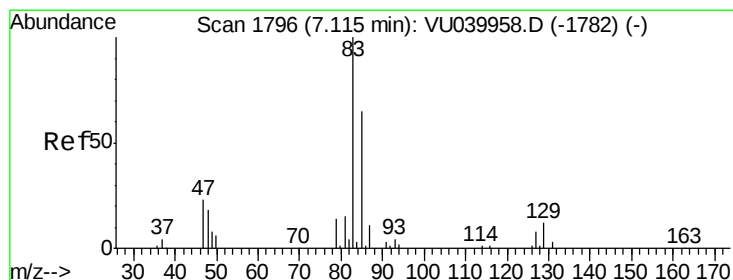
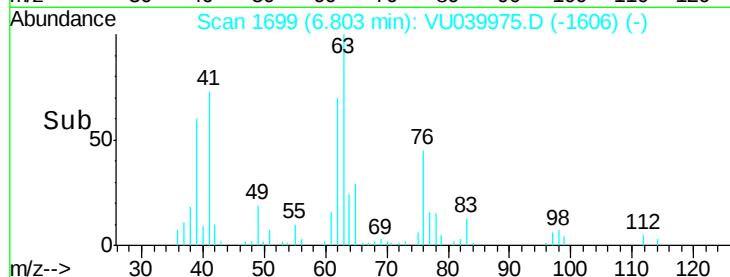
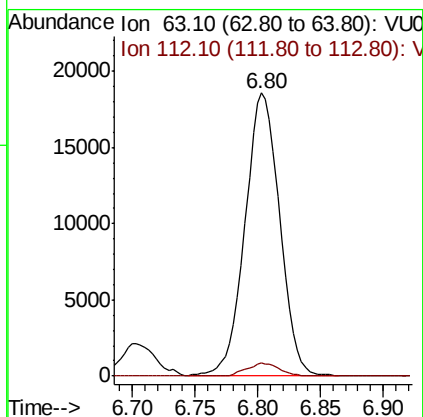
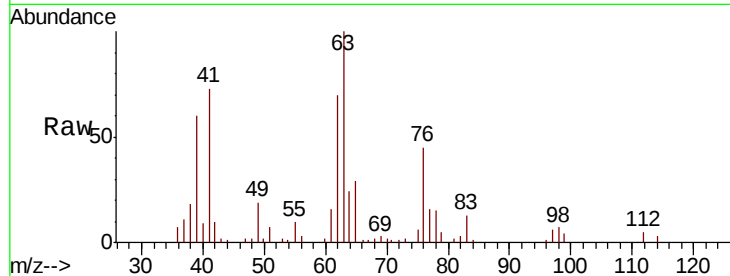




#37
 1,2-Dichloropropane
 Concen: 5.547 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

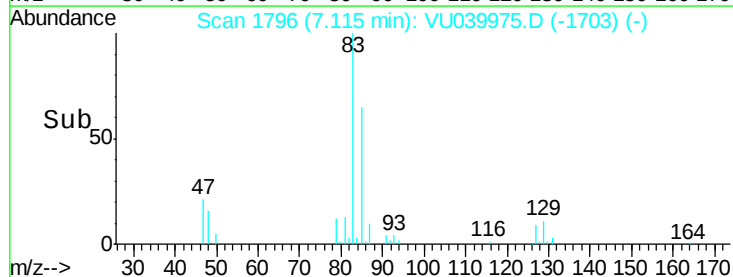
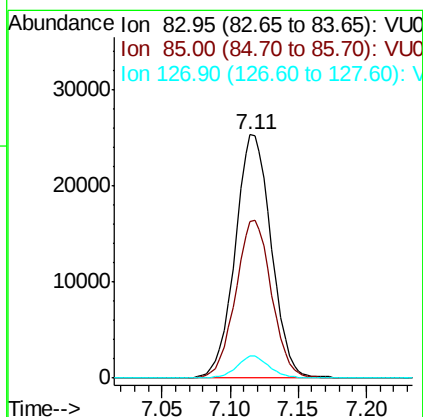
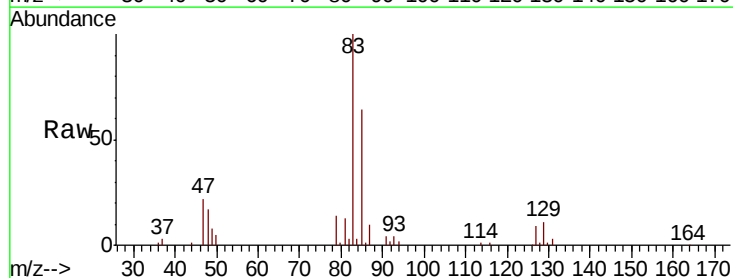
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

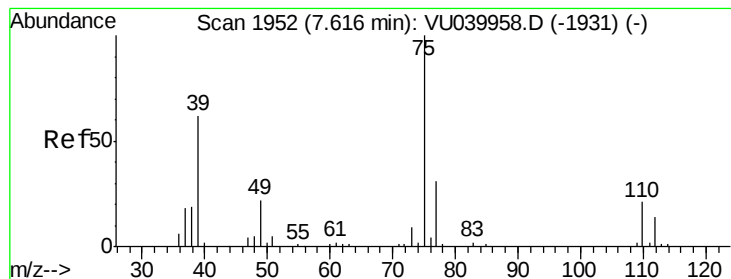
Tot Ion: 63 Resp: 35873
 Ion Ratio Lower Upper
 63 100
 112 4.3 4.1 6.1



#38
 Bromodichloromethane
 Concen: 5.644 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion: 83 Resp: 46380
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.3 82.3
 127 9.2 6.7 10.1



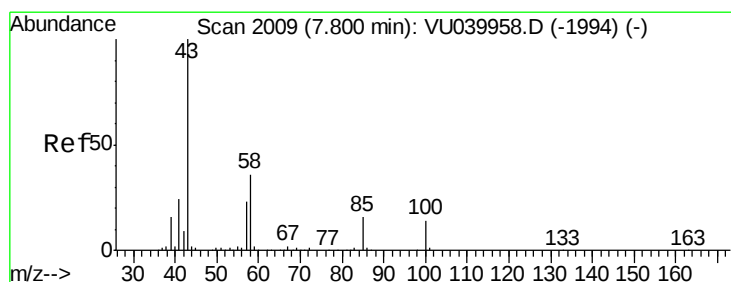
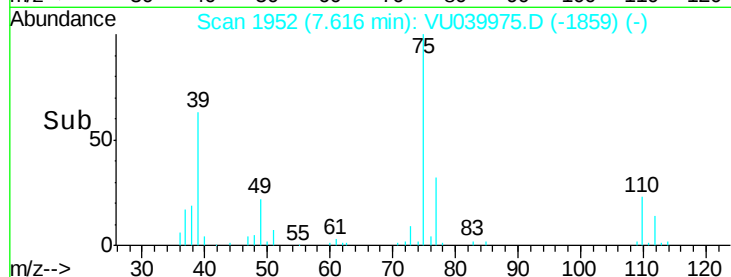
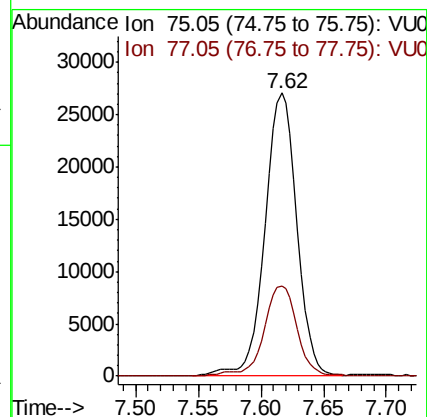
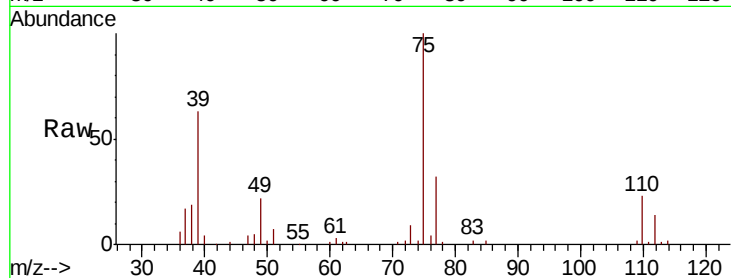


#39

cis-1,3-Dichloropropene
Concen: 5.306 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

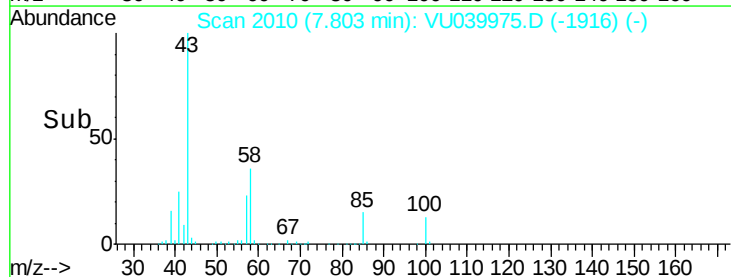
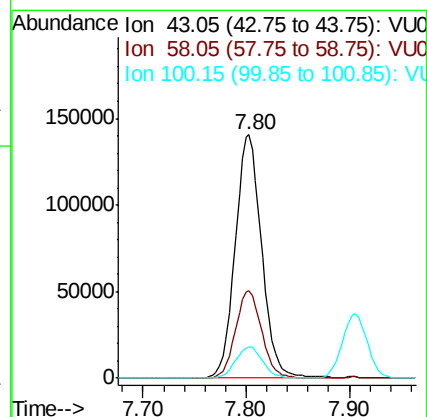
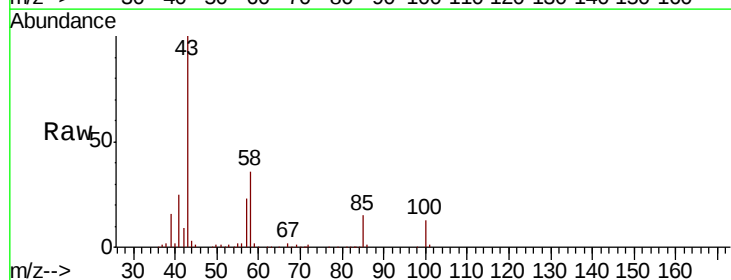
Tot Ion: 75 Resp: 47954
Ion Ratio Lower Upper
75 100
77 32.0 22.6 42.0

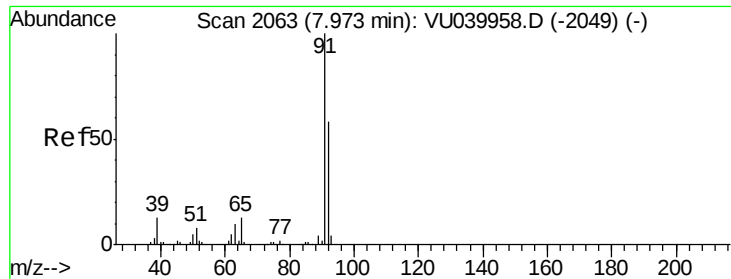


#40

4-Methyl-2-pentanone
Concen: 49.100 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion: 43 Resp: 251451
Ion Ratio Lower Upper
43 100
58 35.6 29.7 44.5
100 13.2 11.2 16.8





#42

Toluene

Concen: 5.416 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

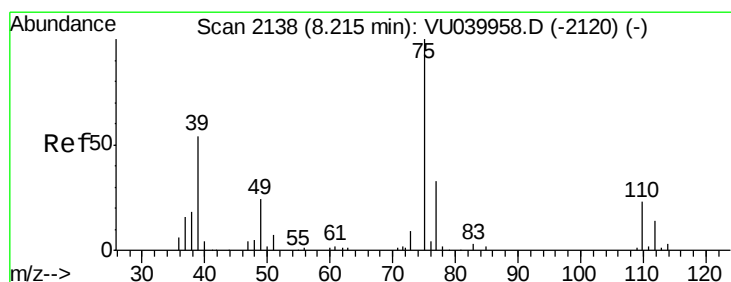
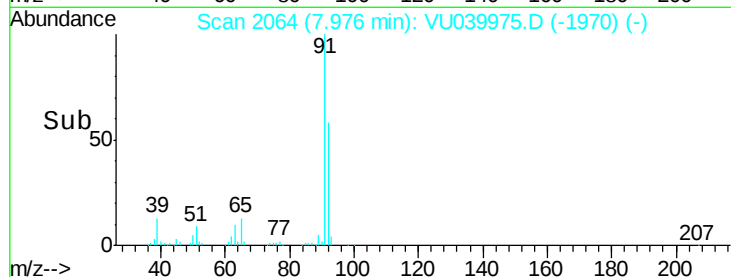
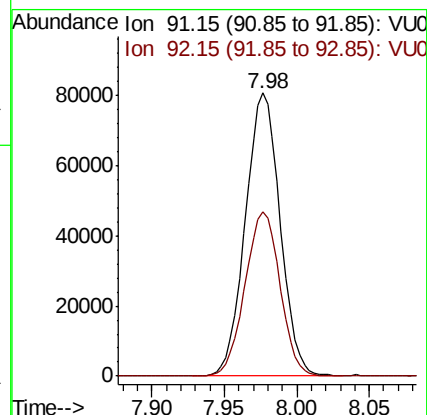
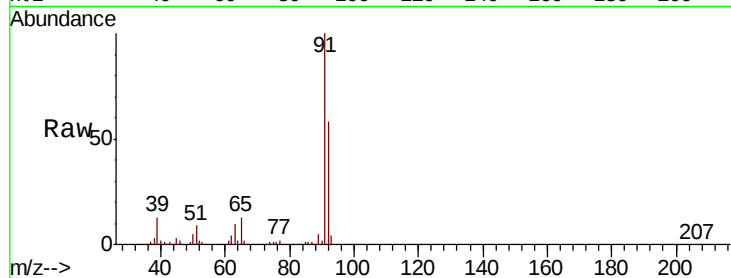
VSTD00510

Tot Ion: 91 Resp: 134785

Ion Ratio Lower Upper

91 100

92 57.9 42.3 78.5



#44

trans-1,3-Dichloropropene

Concen: 5.187 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039975.D

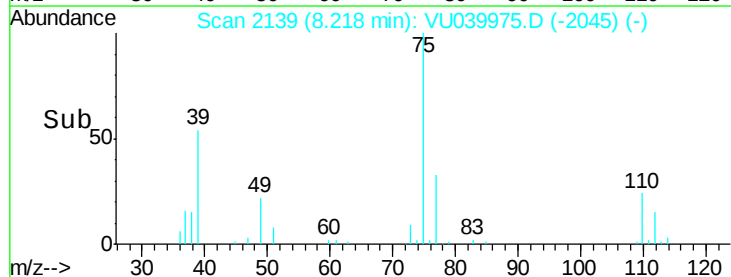
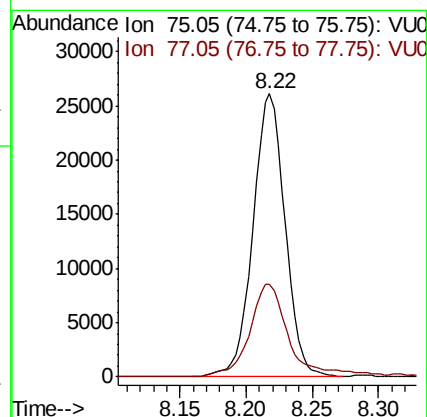
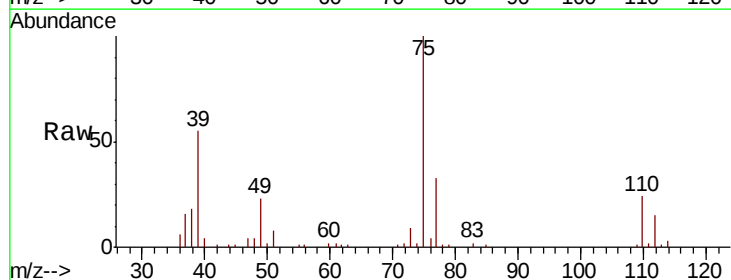
Acq: 25 Aug 2020 18:33

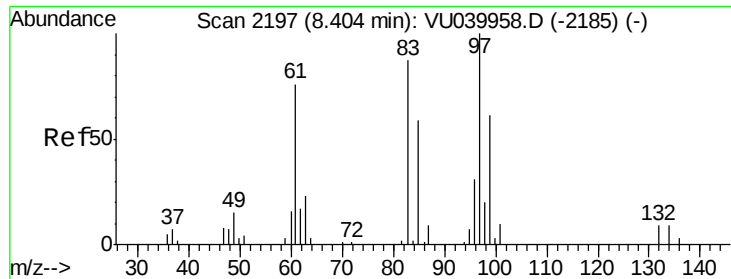
Tgt Ion: 75 Resp: 44051

Ion Ratio Lower Upper

75 100

77 32.9 25.3 46.9

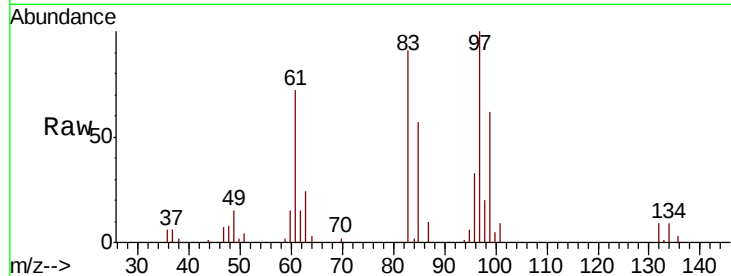




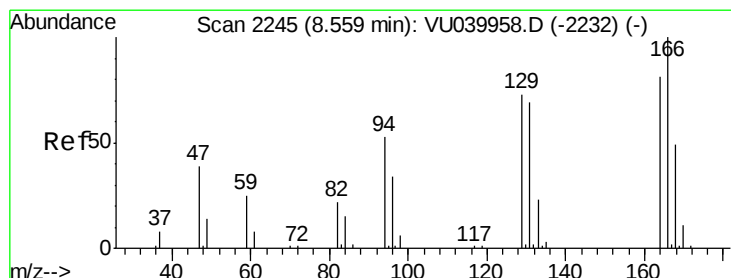
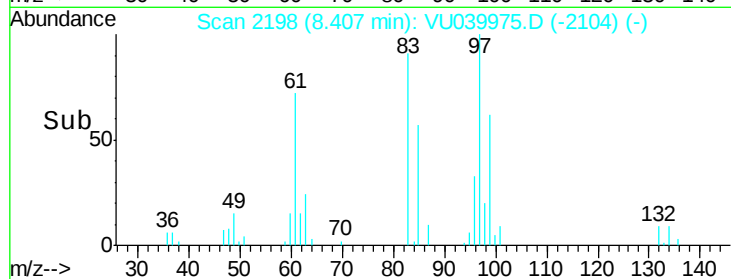
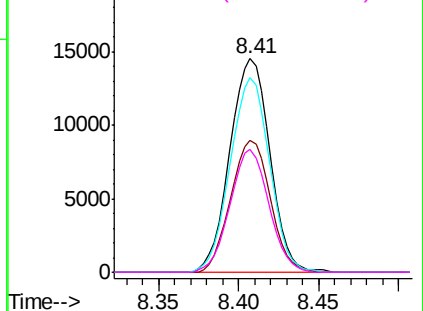
#45
 1,1,2-Trichloroethane
 Concen: 5.032 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:	97	Resp:	24724
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.1	78.3
83	90.9	59.3	110.1
85	57.5	37.2	69.2

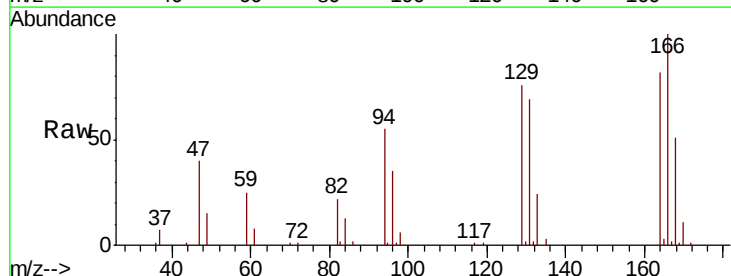


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

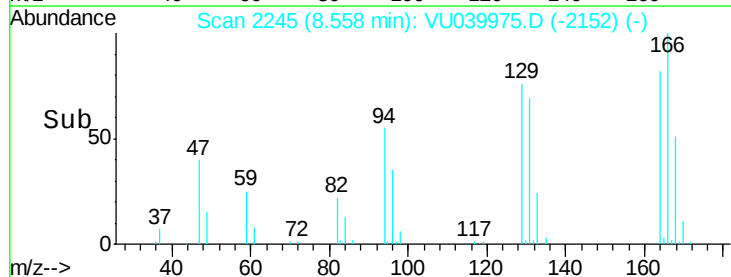
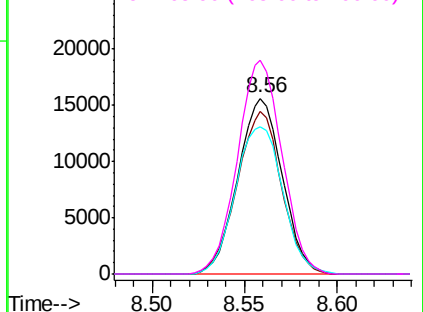


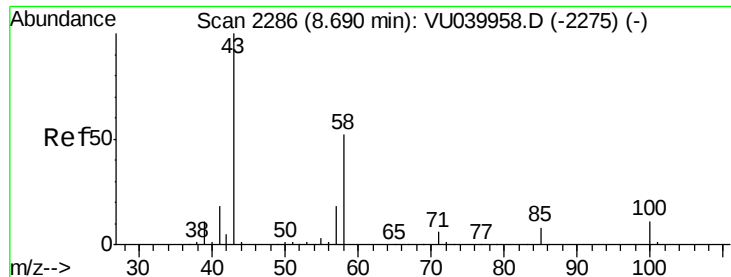
#47
 Tetrachloroethene
 Concen: 5.570 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion:	164	Resp:	25949
Ion	Ratio	Lower	Upper
164	100		
129	92.5	69.1	128.3
131	84.1	66.0	122.6
166	121.5	94.0	174.6



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

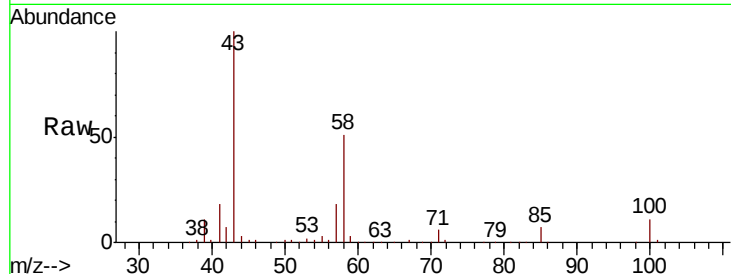




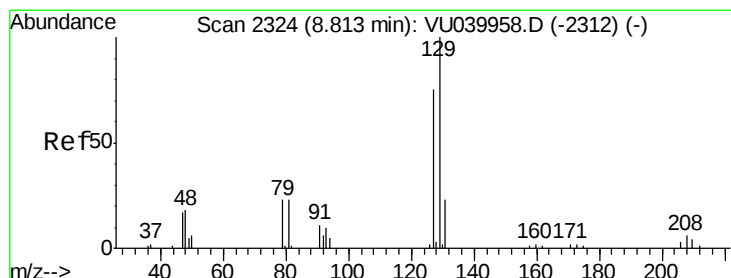
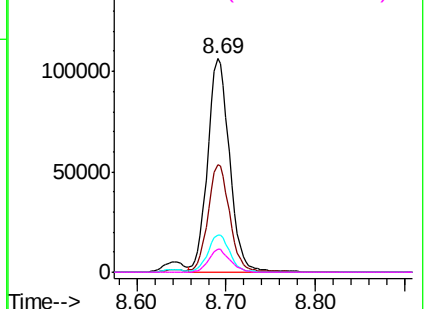
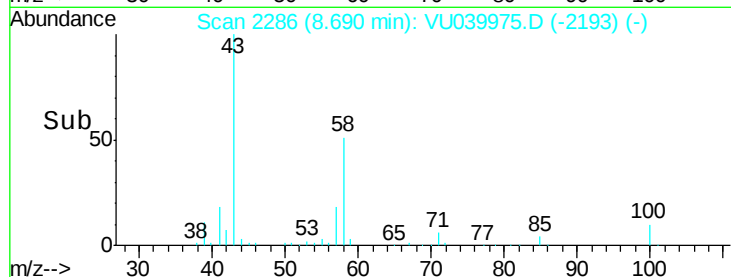
#48
2-Hexanone
Concen: 49.656 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:	43	Resp:	182235
Ion	Ratio	Lower	Upper
43	100		
58	48.8	41.3	61.9
57	17.0	14.1	21.1
100	10.3	9.1	13.7

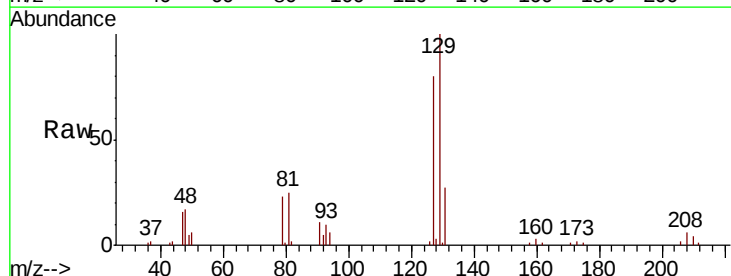


Abundance Ion 43.05 (42.75 to 43.75): VU039975.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU039975.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU039975.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU039975.D (-2193) (-)

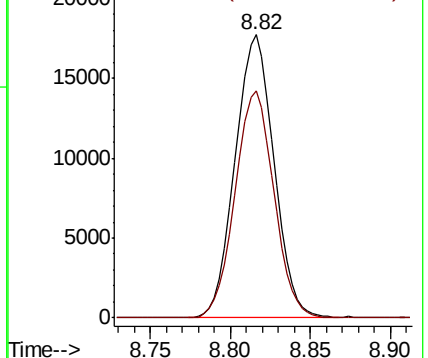
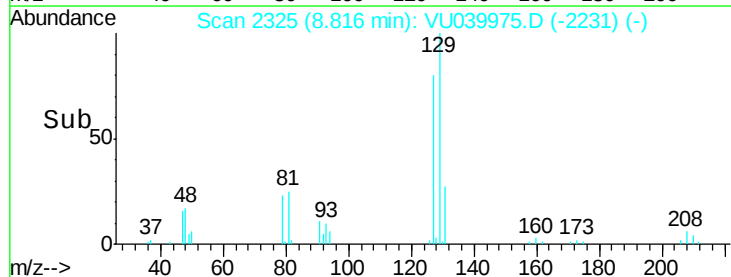


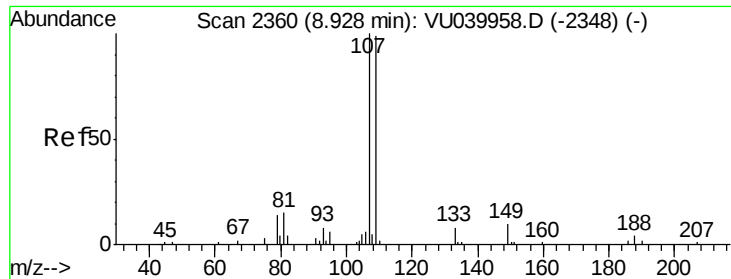
#49
Dibromochloromethane
Concen: 4.998 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion:	129	Resp:	29318
Ion	Ratio	Lower	Upper
129	100		
127	80.4	53.1	98.7



Abundance Ion 128.95 (128.65 to 129.65): VU039975.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU039975.D (-2231) (-)

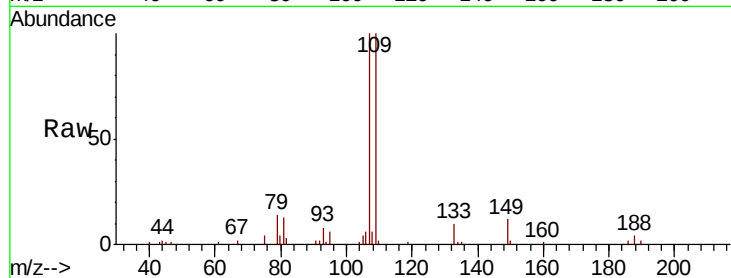




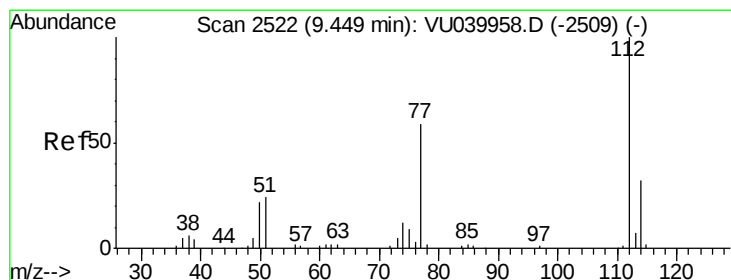
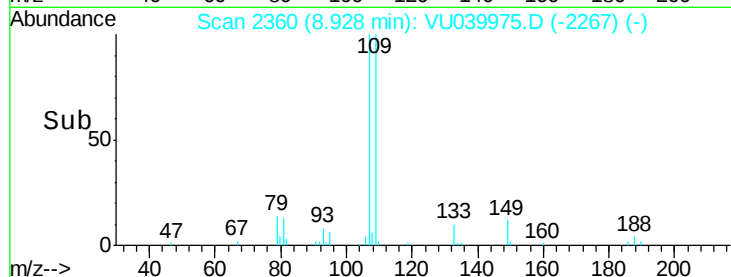
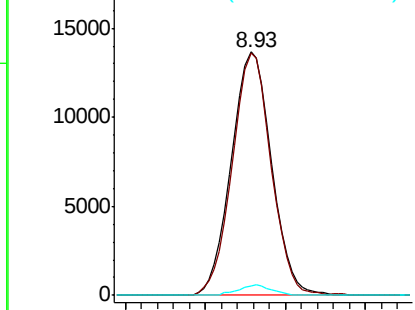
#50
 1,2-Dibromoethane
 Concen: 4.997 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.7	68.3	126.9
188	3.9	2.2	3.4#

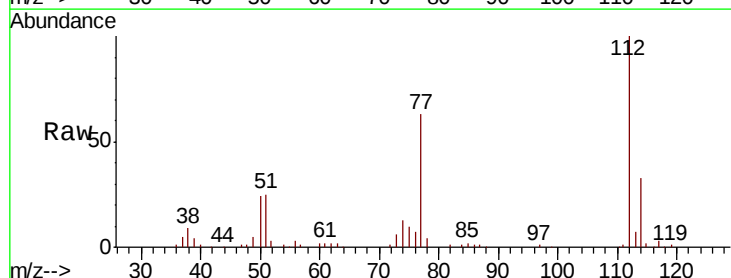


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

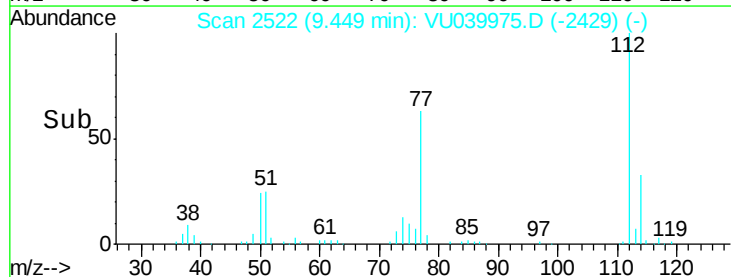
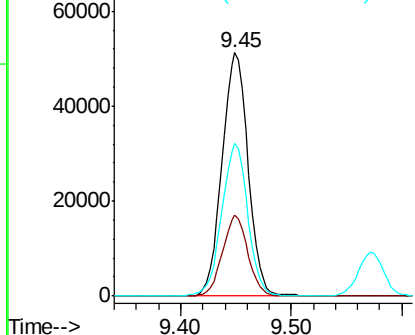


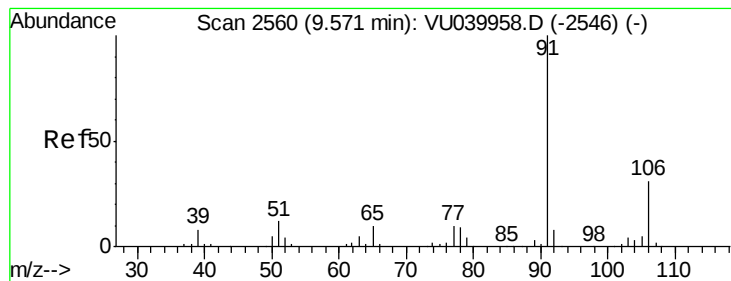
#51
 Chlorobenzene
 Concen: 5.170 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	21.8	40.4
77	62.6	45.4	68.0



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: 5.337 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

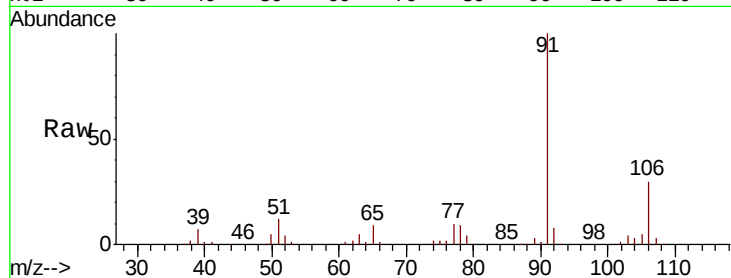
VSTD00510

Tot Ion: 91 Resp: 144457

Ion Ratio Lower Upper

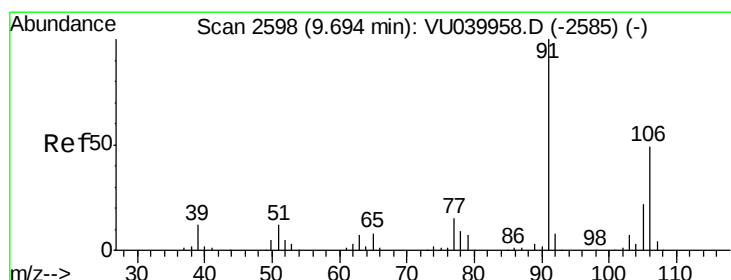
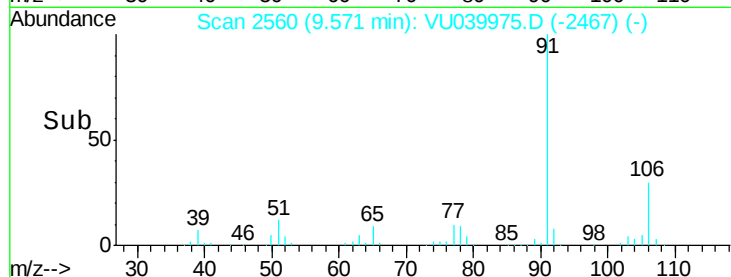
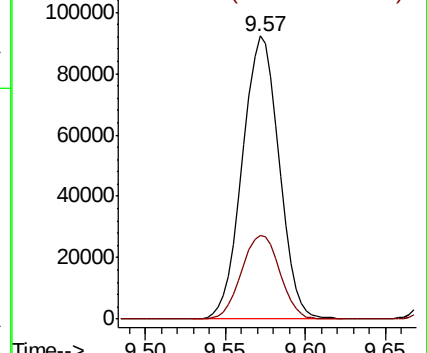
91 100

106 29.8 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.301 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039975.D

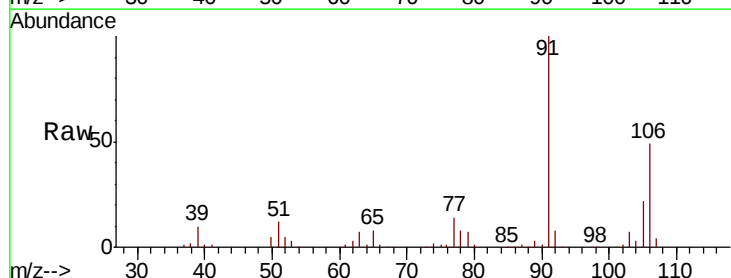
Acq: 25 Aug 2020 18:33

Tgt Ion: 106 Resp: 55079

Ion Ratio Lower Upper

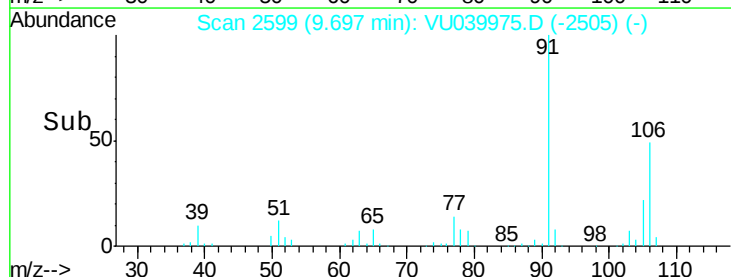
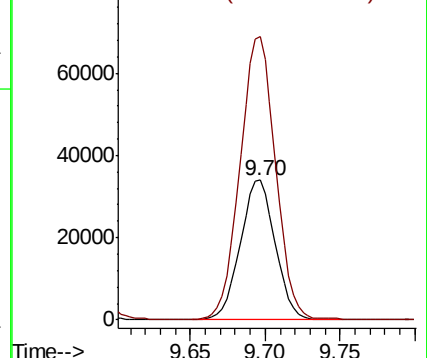
106 100

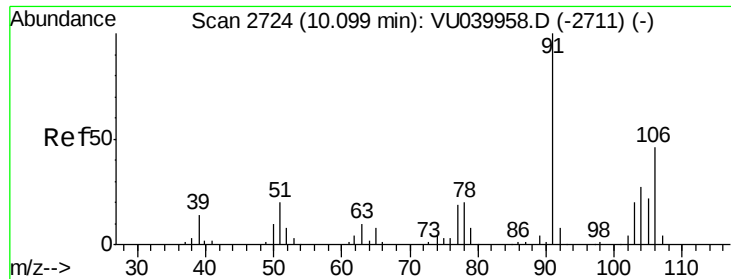
91 202.5 139.8 259.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0

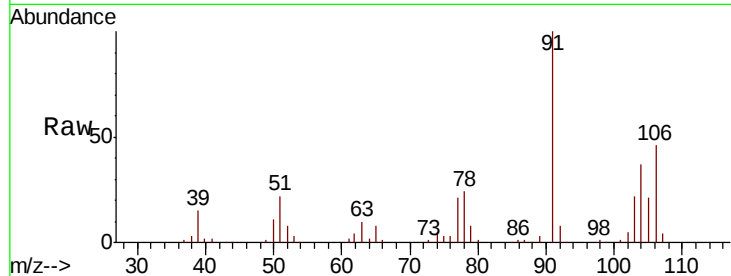




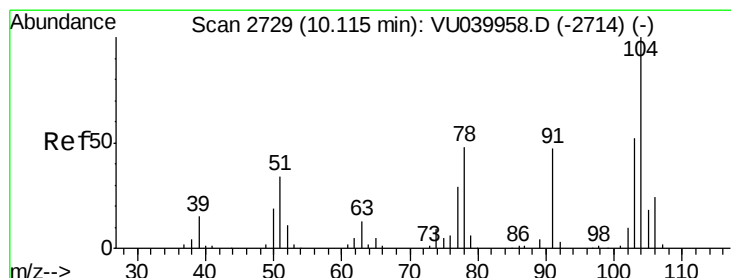
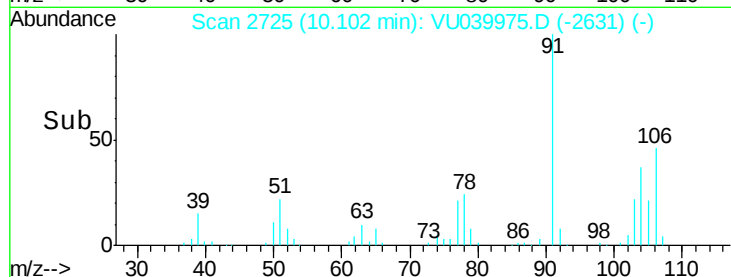
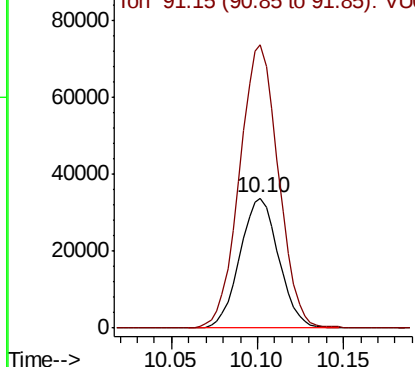
#54
o-Xylene
Concen: 5.412 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 53153
Ion Ratio Lower Upper
106 100
91 218.0 144.6 268.6

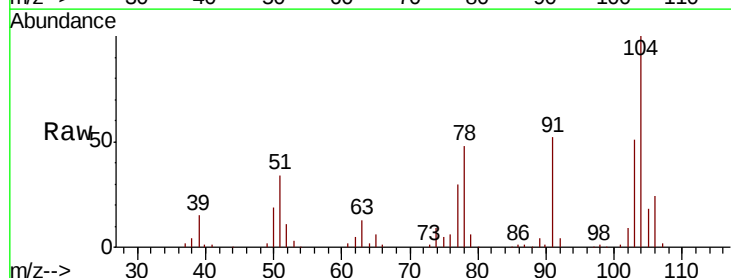


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

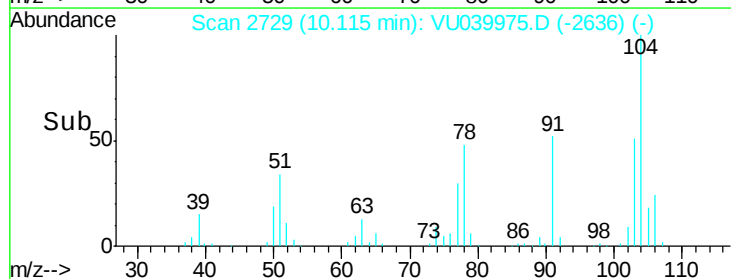
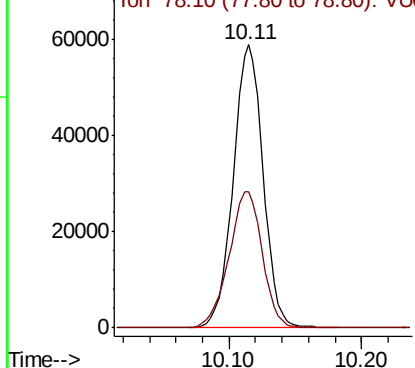


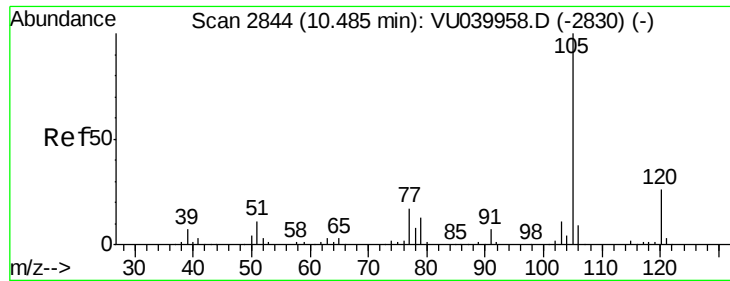
#55
Styrene
Concen: 5.415 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039975.D
Acq: 25 Aug 2020 18:33

Tgt Ion:104 Resp: 92191
Ion Ratio Lower Upper
104 100
78 48.2 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.324 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

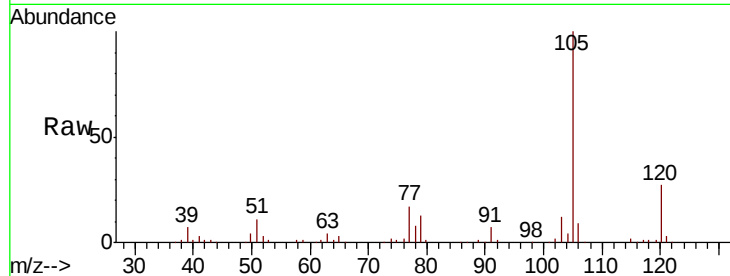
Tot Ion:105 Resp: 140171

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

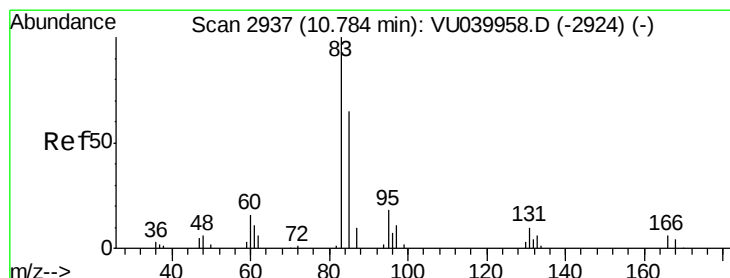
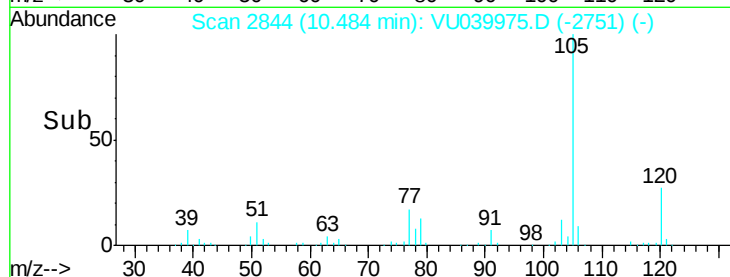
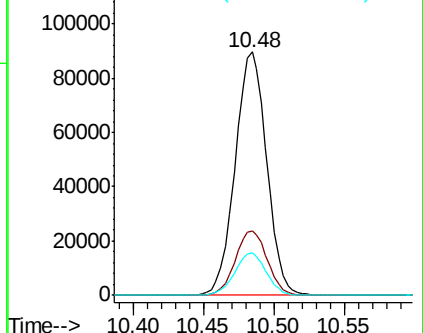
77 17.4 13.0 19.6



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: 4.734 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

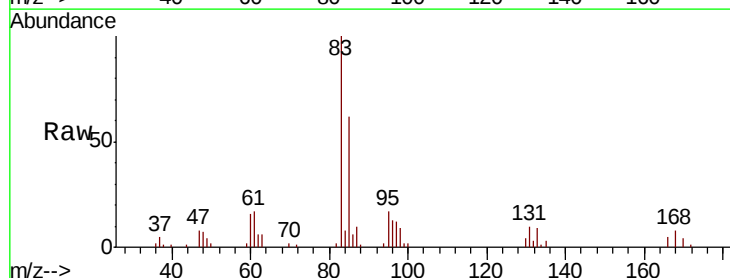
Tgt Ion: 83 Resp: 30032

Ion Ratio Lower Upper

83 100

85 62.2 42.8 79.6

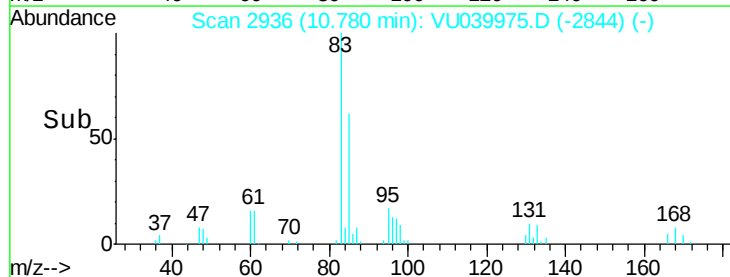
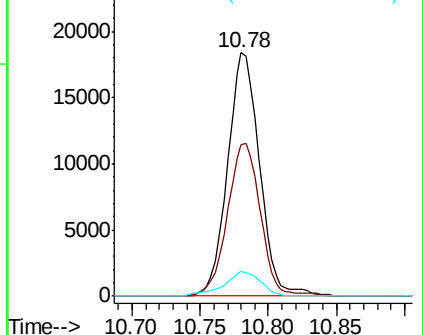
131 10.1 7.4 11.2

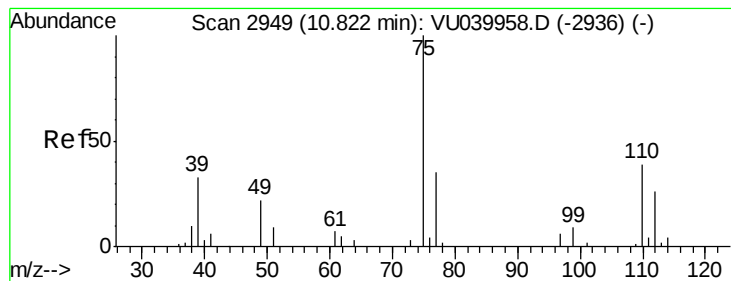


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

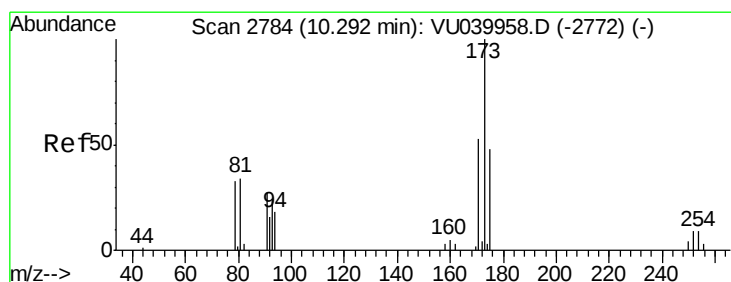
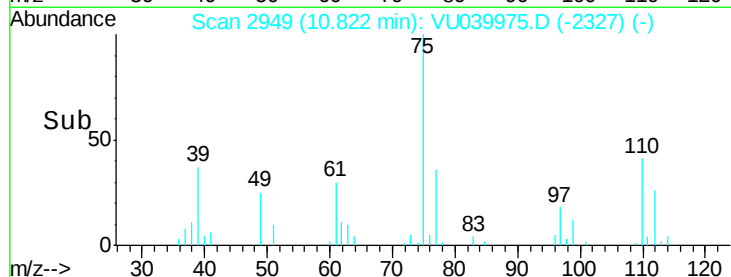
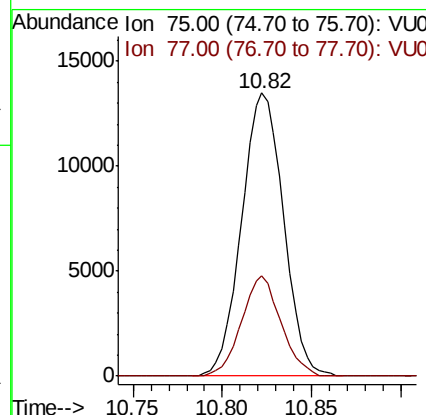
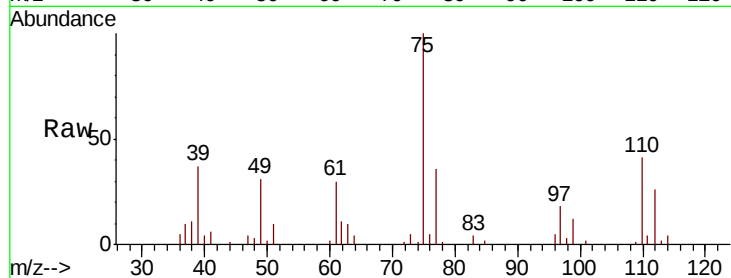




#59
 1,2,3-Trichloropropane
 Concen: 4.757 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

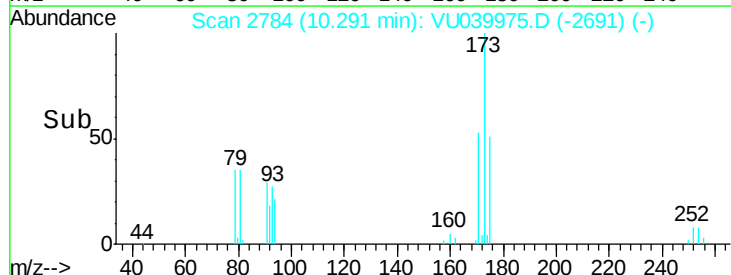
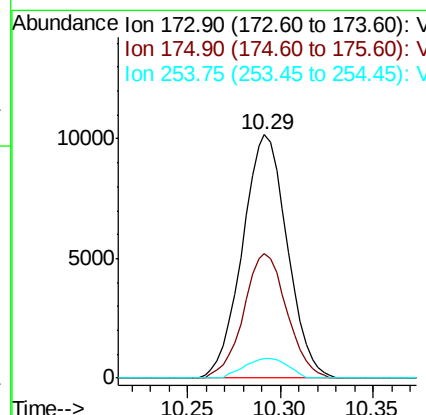
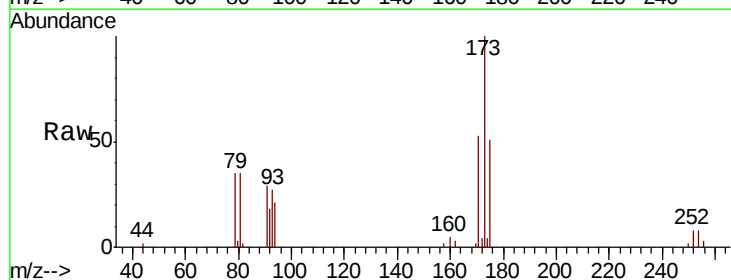
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

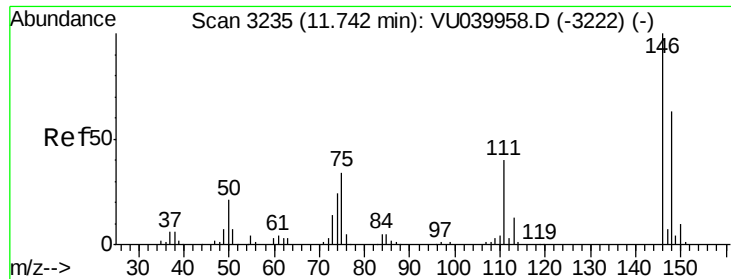
Tot Ion: 75 Resp: 22040
 Ion Ratio Lower Upper
 75 100
 77 33.2 27.4 41.2



#61
 Bromoform
 Concen: 5.369 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion: 173 Resp: 17040
 Ion Ratio Lower Upper
 173 100
 175 49.3 37.6 56.4
 254 7.9 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.133 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

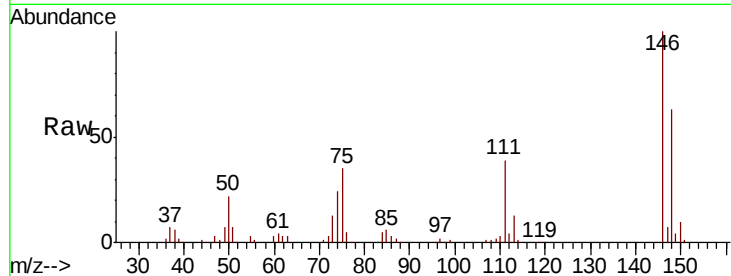
Tot Ion:146 Resp: 68493

Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

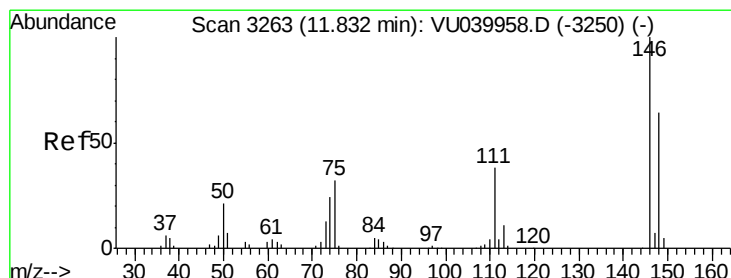
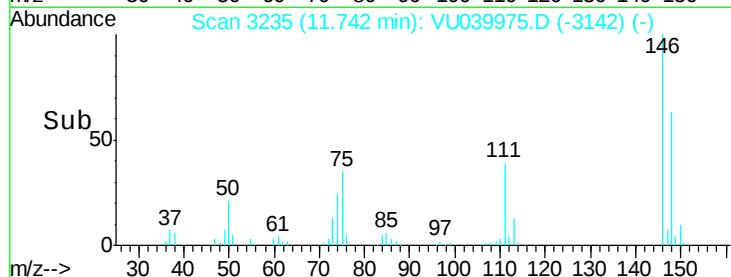
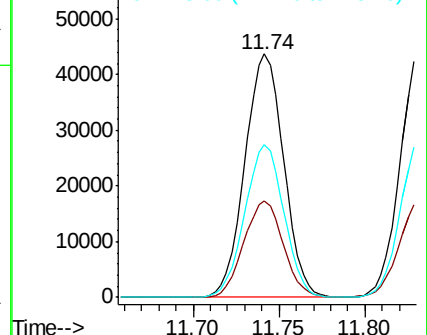
148 62.7 43.8 81.4



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: 5.090 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

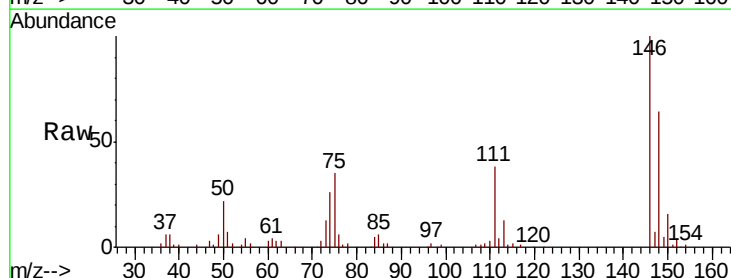
Tgt Ion:146 Resp: 69143

Ion Ratio Lower Upper

146 100

111 38.4 26.5 49.1

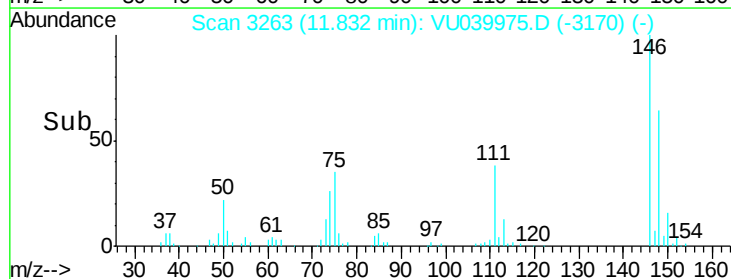
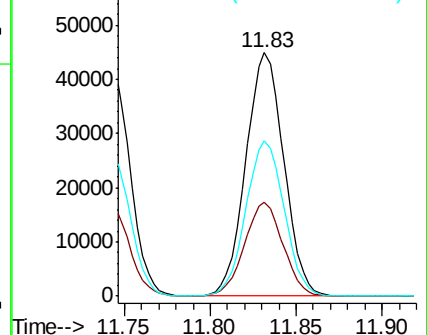
148 63.6 42.8 79.4

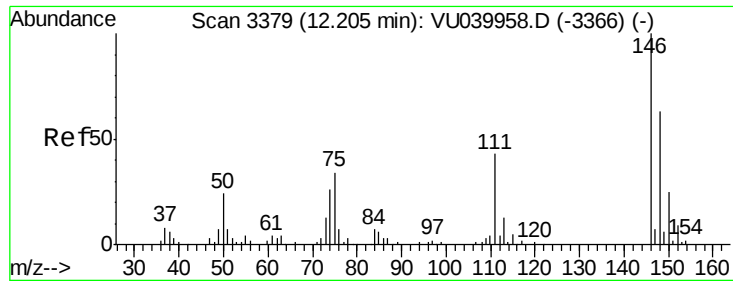


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.072 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

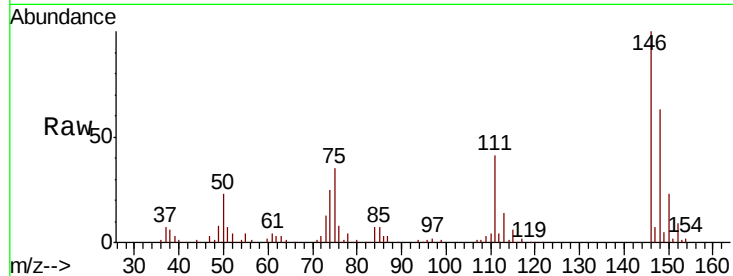
Tot Ion:146 Resp: 65316

Ion Ratio Lower Upper

146 100

111 40.5 33.4 50.0

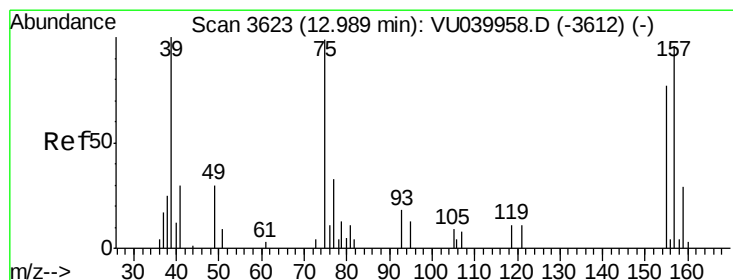
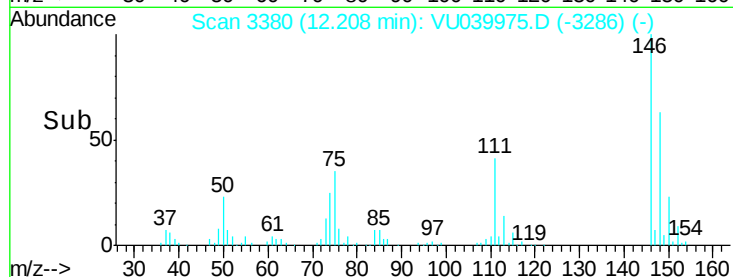
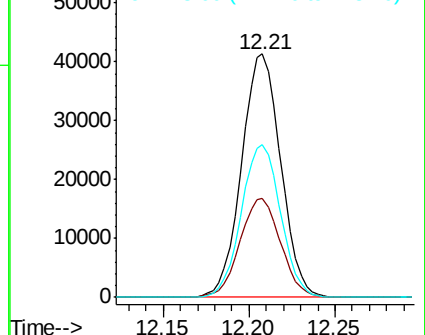
148 62.5 51.4 77.0



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: 5.257 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

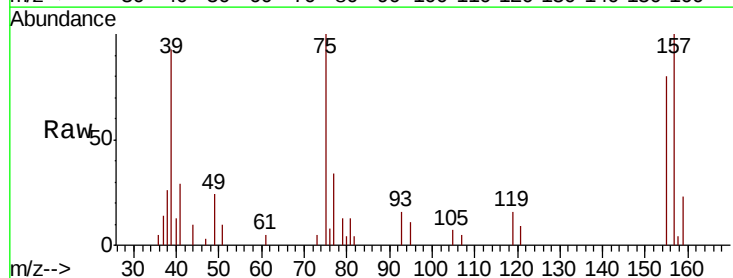
Tgt Ion: 75 Resp: 5536

Ion Ratio Lower Upper

75 100

155 80.3 54.6 82.0

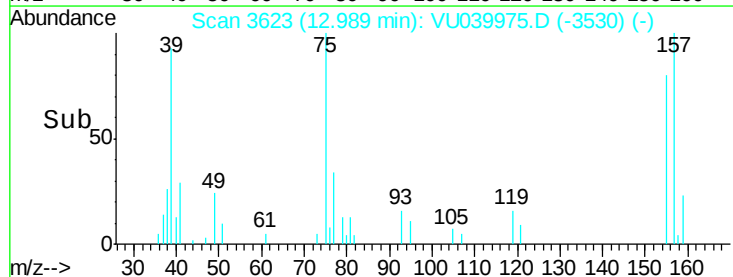
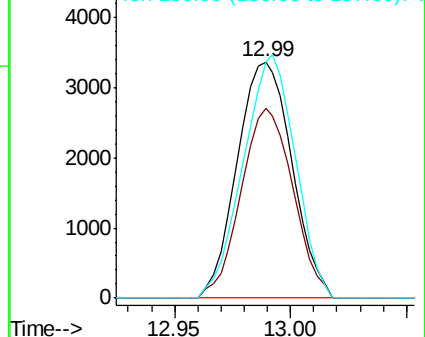
157 99.9 72.2 108.4

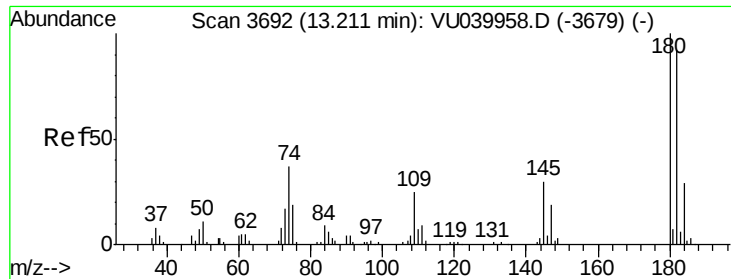


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

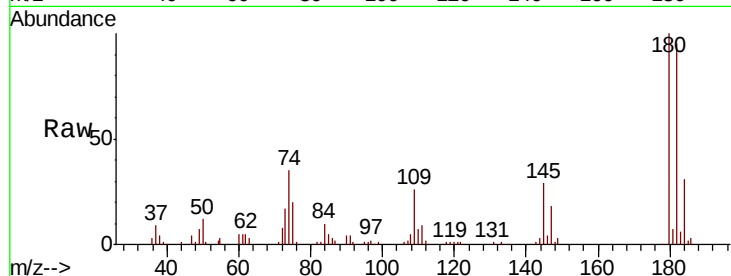




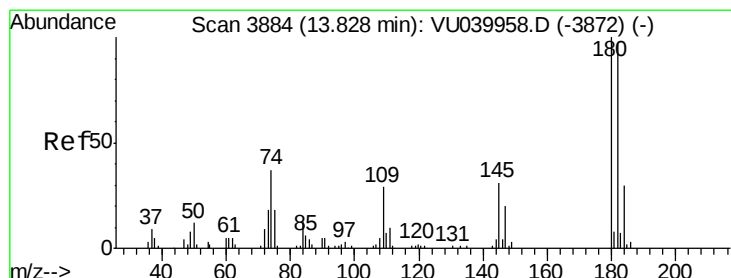
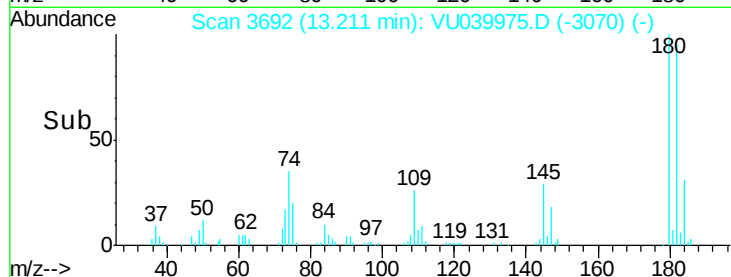
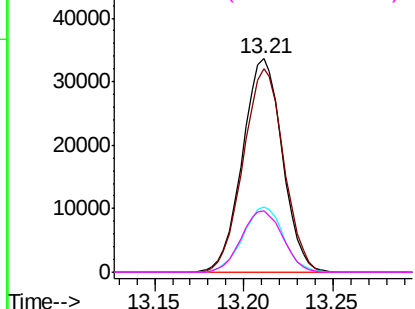
#67
 1,3,5-Trichlorobenzene
 Concen: 5.284 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:180	Resp:	52363
Ion	Ratio	Lower Upper
180	100	
182	96.8	79.2 118.8
184	31.1	24.6 36.8
145	29.8	25.7 38.5

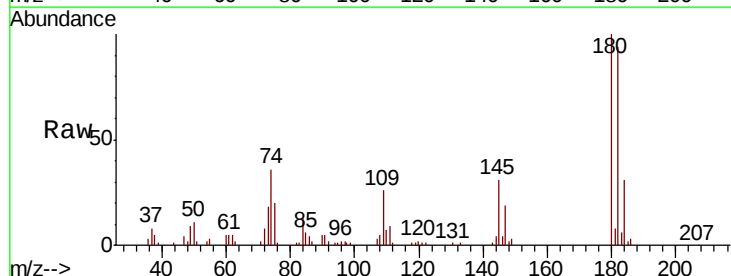


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

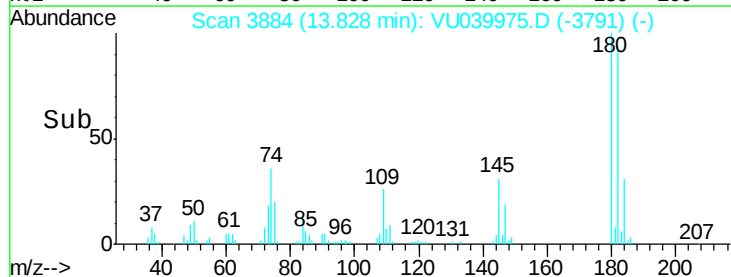
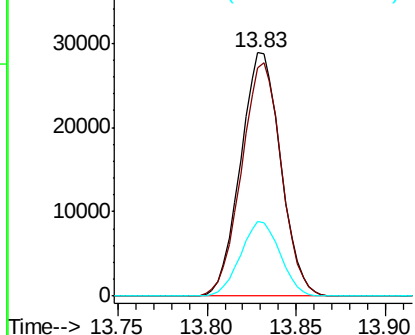


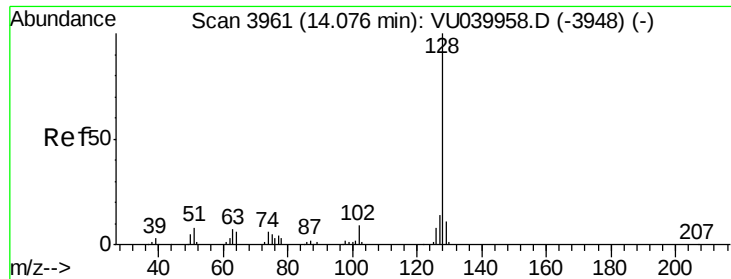
#68
 1,2,4-trichlorobenzene
 Concen: 5.357 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU039975.D
 Acq: 25 Aug 2020 18:33

Tgt Ion:180	Resp:	45286
Ion	Ratio	Lower Upper
180	100	
182	95.3	75.2 112.8
145	30.1	24.6 36.8



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: 4.742 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

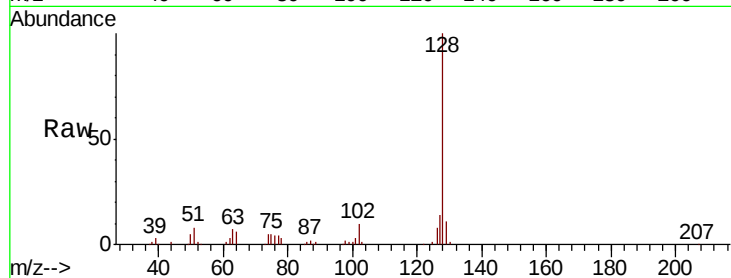
Tot Ion:128 Resp: 74047

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

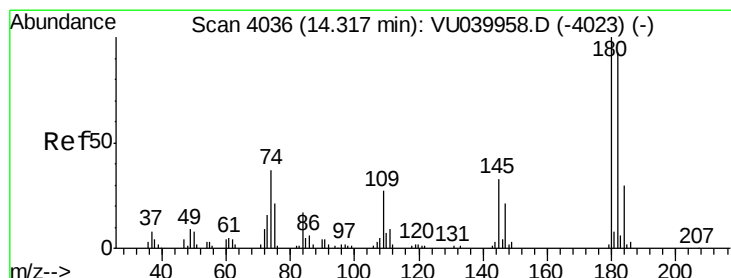
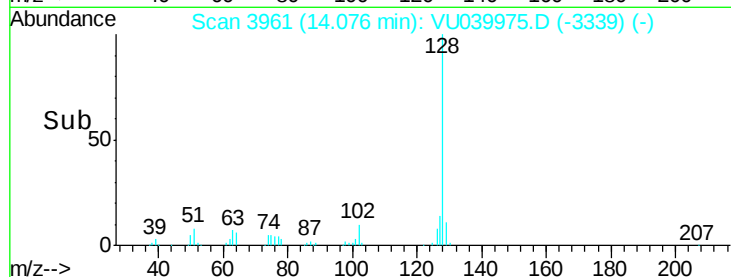
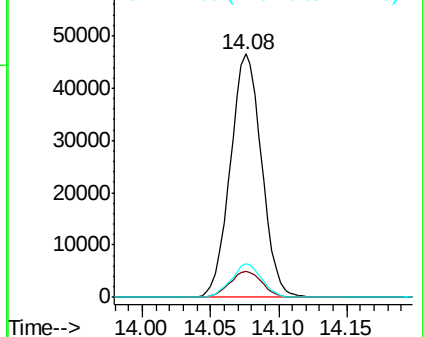
127 13.4 10.2 15.4



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: 5.218 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039975.D

Acq: 25 Aug 2020 18:33

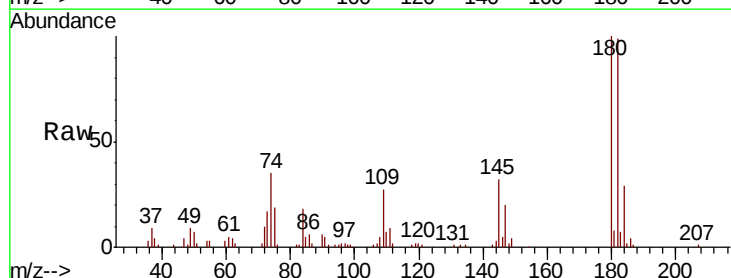
Tgt Ion:180 Resp: 41218

Ion Ratio Lower Upper

180 100

182 97.9 75.0 112.6

145 33.0 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

