

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040840.D
 Acq On : 20 Oct 2020 11:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Oct 20 23:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 17:50:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131359	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	70461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44354	4.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.00%
7) Chloroethane-d5	1.92	69	37293	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	93573	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	4.65	46	166725	49.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.64%
24) Chloroform-d	5.08	84	88047	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.72	65	52440	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.74	84	163668	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
36) 1,2-Dichloropropane-d6	6.70	67	53771	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.40%
41) Toluene-d8	7.90	98	150622	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	8.18	79	22539	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.64	63	129530	50.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52098	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	59940	4.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	60639	5.249	ug/L	99
3) Chloromethane	1.53	50	51930	4.807	ug/L	97
5) Vinyl chloride	1.61	62	59480	5.228	ug/L	91
6) Bromomethane	1.87	94	22924	3.711	ug/L	96
8) Chloroethane	1.94	64	38042	5.252	ug/L	93
9) Trichlorofluoromethane	2.15	101	81509	4.990	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	48686	4.591	ug/L	97
12) 1,1-Dichloroethene	2.59	96	43622	4.795	ug/L	92
13) Acetone	2.66	43	117628	44.889	ug/L	99
14) Carbon disulfide	2.81	76	153081	6.012	ug/L	99
15) Methyl Acetate	2.97	43	27854	4.655	ug/L	99
16) Methylene chloride	3.06	84	50286	4.305	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	109876	4.272	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45746	4.804	ug/L	98
19) 1,1-Dichloroethane	3.89	63	90676	4.604	ug/L	99
21) 2-Butanone	4.73	43	186784	45.720	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	47523	4.628	ug/L	92

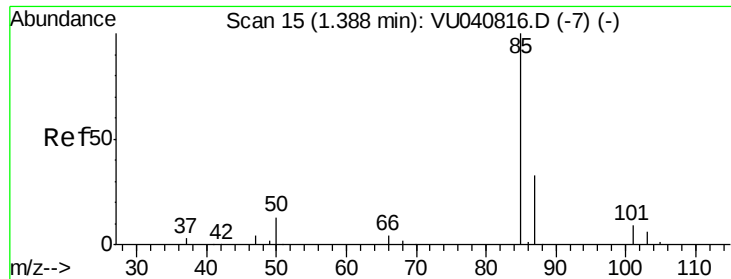
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102020\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	23615	4.629	ug/L	98
25) Chloroform	5.11	83	94264	4.688	ug/L	95
27) 1,2-Dichloroethane	5.81	62	65369	4.593	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	77628	4.398	ug/L	98
30) Cyclohexane	5.40	56	77855	4.786	ug/L	100
31) Carbon tetrachloride	5.54	117	68837	4.557	ug/L	99
33) Benzene	5.79	78	192750	4.567	ug/L	100
34) Trichloroethene	6.55	95	48360	4.421	ug/L	95
35) Methylcyclohexane	6.77	83	75177	4.846	ug/L	99
37) 1,2-Dichloropropane	6.80	63	50936	4.332	ug/L	99
38) Bromodichloromethane	7.11	83	66113	4.398	ug/L	96
39) cis-1,3-Dichloropropene	7.61	75	71029	4.421	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	420592	44.865	ug/L	100
42) Toluene	7.97	91	202666	4.713	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	67090	4.536	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	38503	4.372	ug/L	98
47) Tetrachloroethene	8.56	164	37122	4.756	ug/L	97
48) 2-Hexanone	8.69	43	326551	46.787	ug/L	99
49) Dibromochloromethane	8.82	129	45281	4.469	ug/L	91
50) 1,2-Dibromoethane	8.93	107	36800	4.405	ug/L	95
51) Chlorobenzene	9.45	112	127519	4.502	ug/L	97
52) Ethylbenzene	9.57	91	208941	4.490	ug/L	100
53) m,p-Xylene	9.69	106	81032	4.777	ug/L	97
54) o-Xylene	10.10	106	75378	4.621	ug/L	99
55) Styrene	10.11	104	136201	4.808	ug/L	100
56) Isopropylbenzene	10.48	105	203304	4.629	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52310	4.524	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	39855	4.614	ug/L	99
61) Bromoform	10.29	173	25251	4.181	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	103696	4.496	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	108682	4.570	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	100120	4.441	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	8445	4.278	ug/L	91
67) 1,3,5-Trichlorobenzene	13.21	180	70121	4.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	57282	4.531	ug/L	97
69) Naphthalene	14.08	128	94252	4.557	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	54346	4.629	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 5.249 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

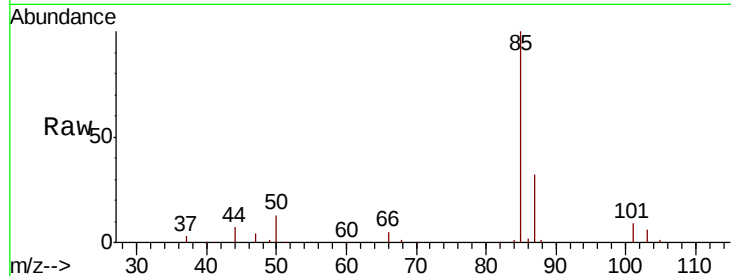
VSTD00520

Tot Ion: 85 Resp: 60639

Ion Ratio Lower Upper

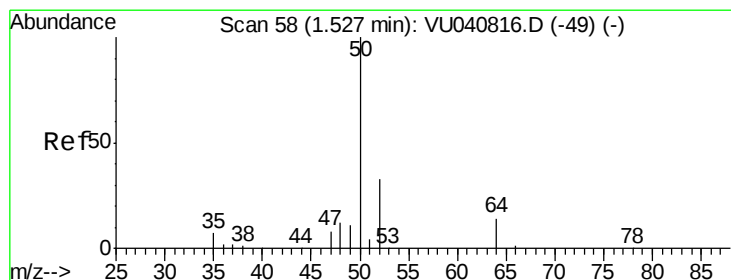
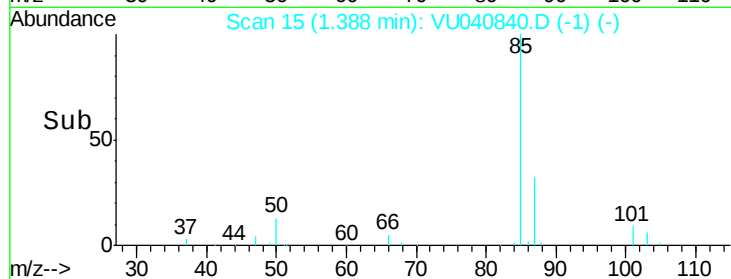
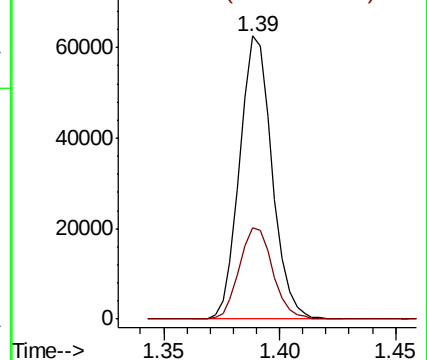
85 100

87 33.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.807 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040840.D

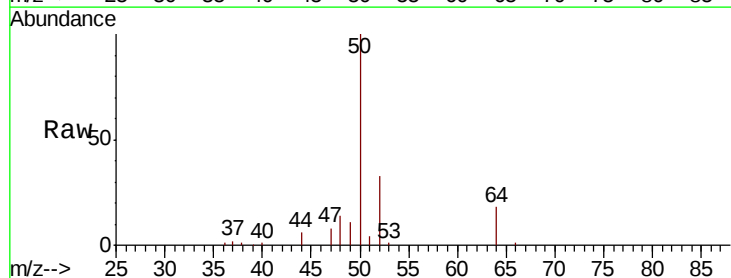
Acq: 20 Oct 2020 11:23

Tgt Ion: 50 Resp: 51930

Ion Ratio Lower Upper

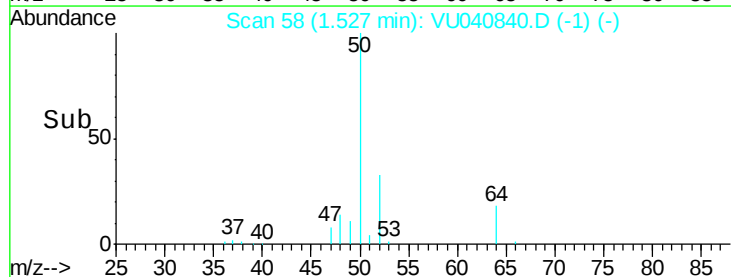
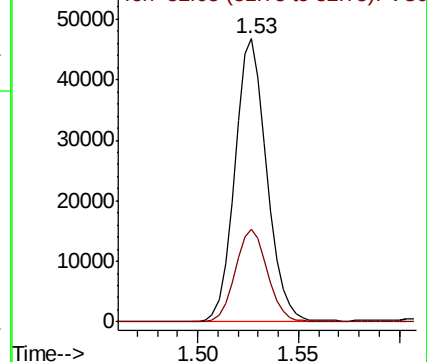
50 100

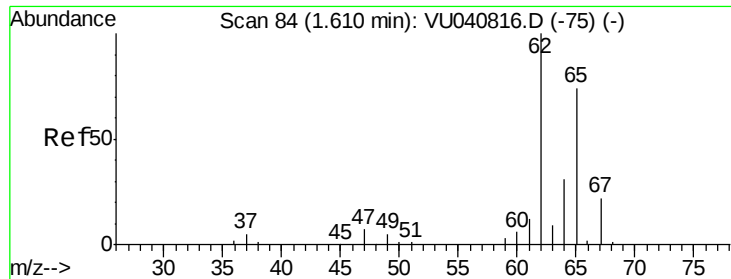
52 32.8 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 5.228 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

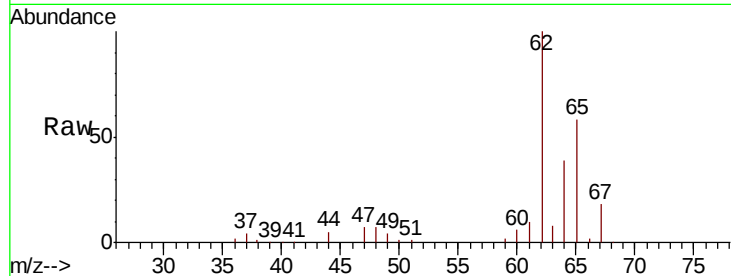
VSTD00520

Tot Ion: 62 Resp: 59480

Ion Ratio Lower Upper

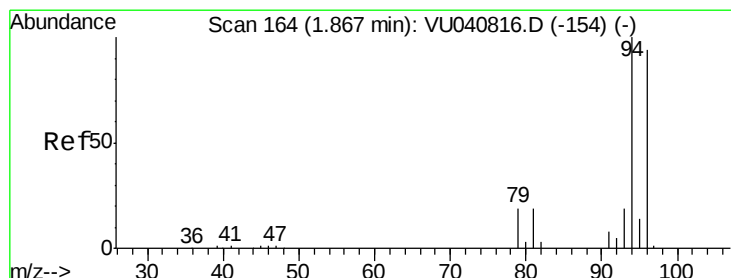
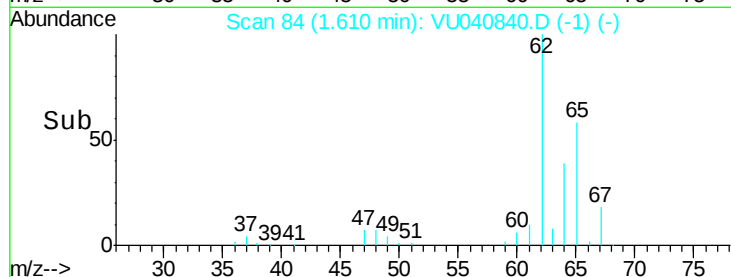
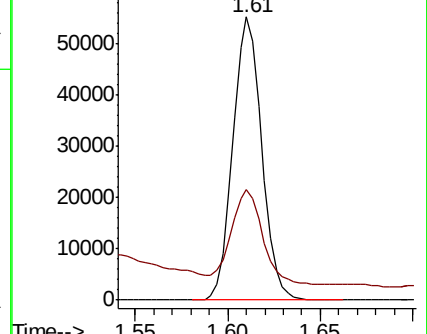
62 100

64 38.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 3.711 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040840.D

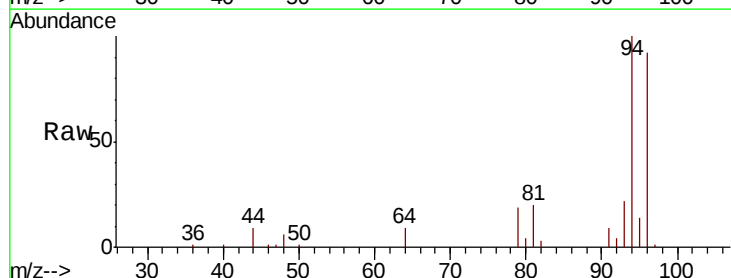
Acq: 20 Oct 2020 11:23

Tgt Ion: 94 Resp: 22924

Ion Ratio Lower Upper

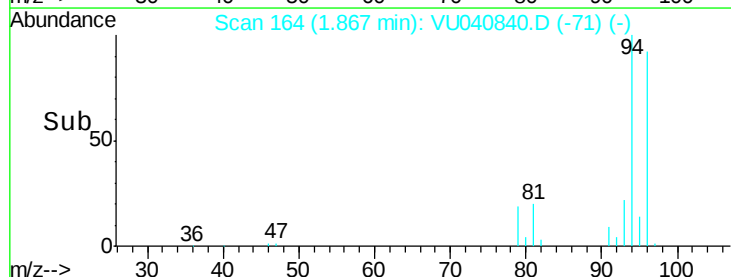
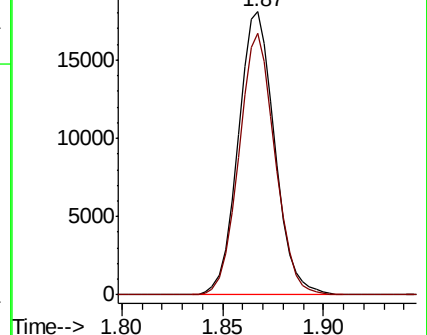
94 100

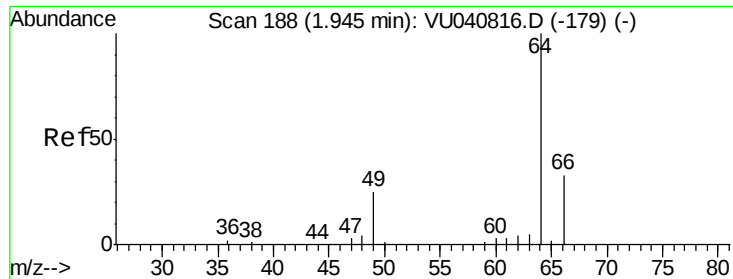
96 92.3 62.1 115.3



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

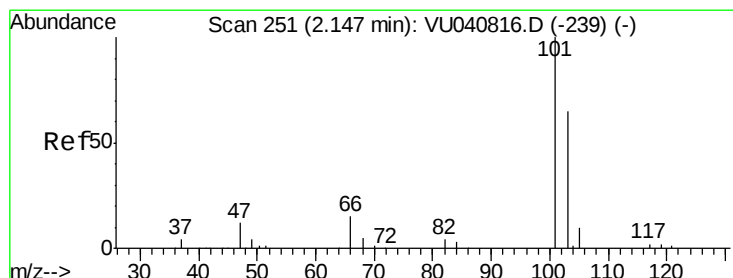
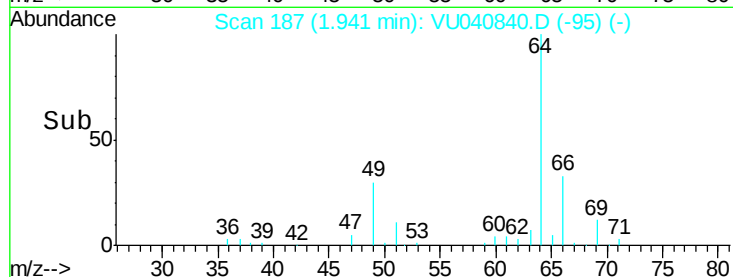
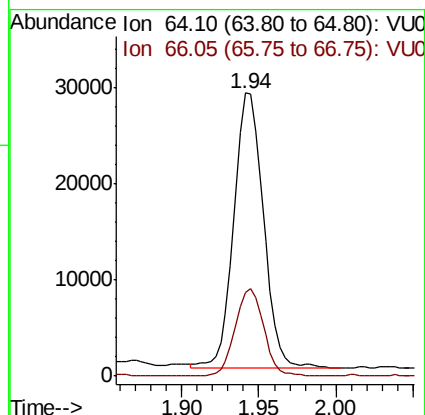
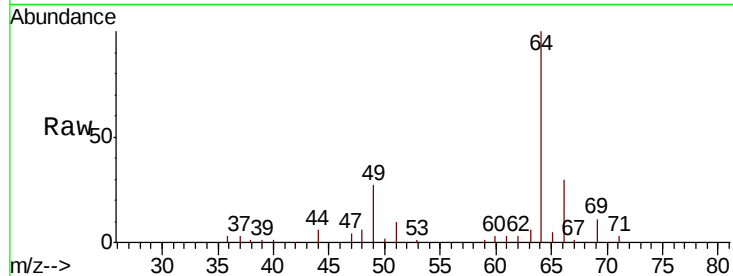




#8
Chloroethane
Concen: 5.252 ug/L
RT: 1.94 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

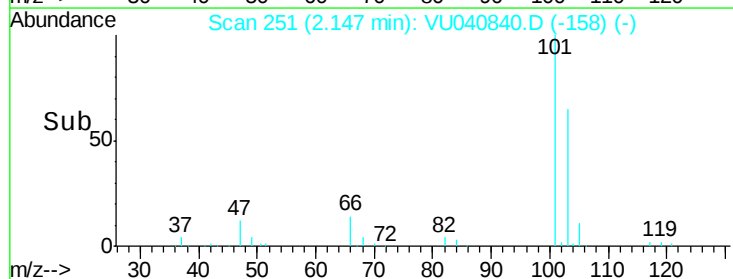
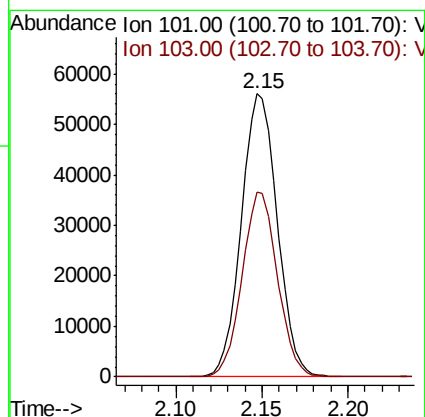
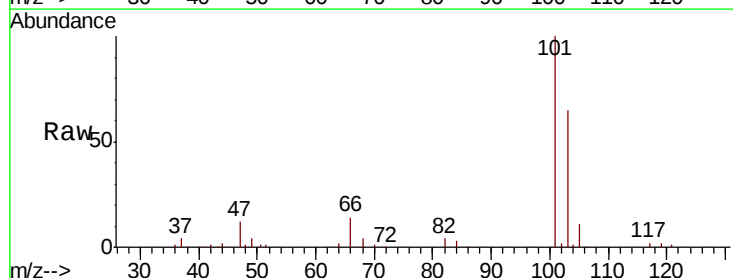
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

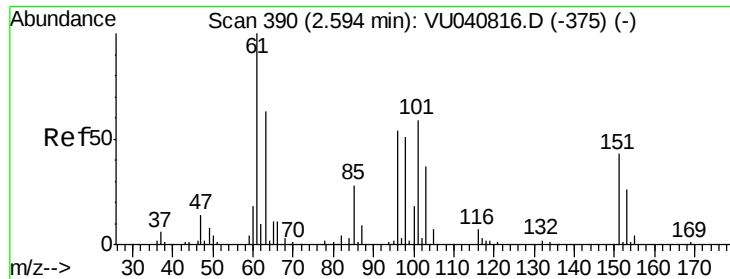
Tot Ion: 64 Resp: 38042
Ion Ratio Lower Upper
64 100
66 29.5 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.990 ug/L
RT: 2.15 min Scan# 251
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 101 Resp: 81509
Ion Ratio Lower Upper
101 100
103 64.0 52.2 78.4





#10

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

Concen: 4.591 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

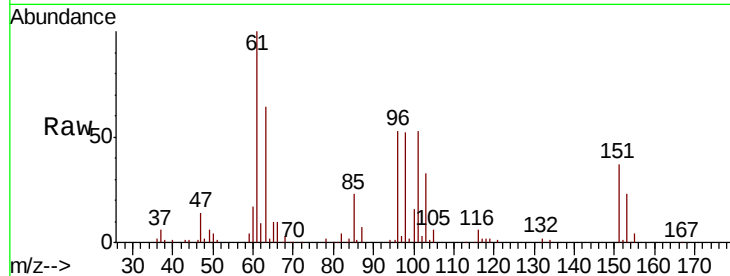
Tot Ion:101 Resp: 48686

Ion Ratio Lower Upper

101 100

85 45.6 36.7 55.1

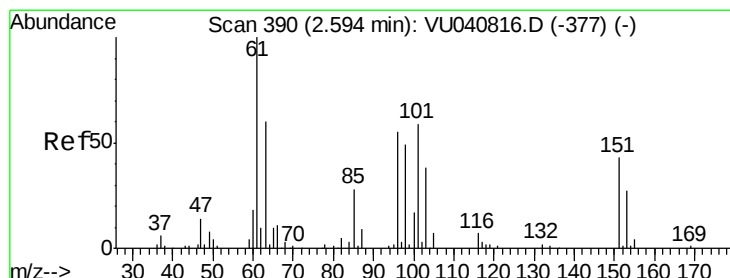
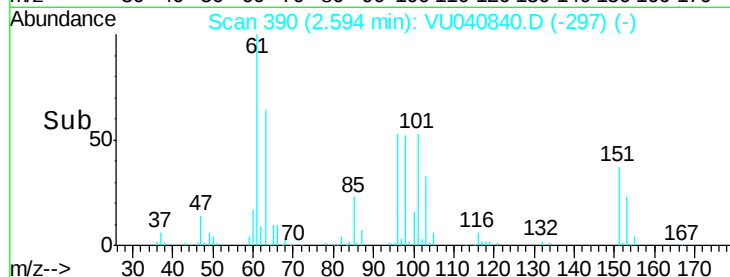
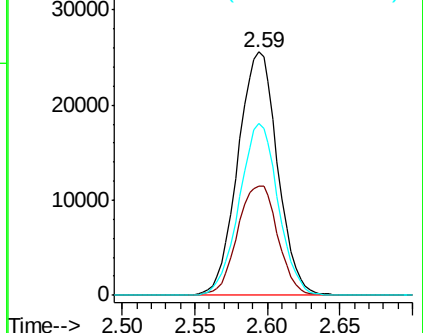
151 69.3 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.795 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

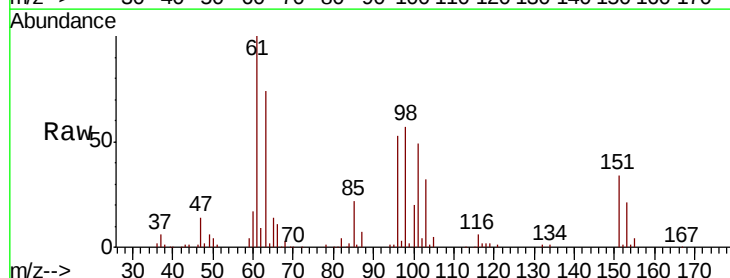
Tgt Ion: 96 Resp: 43622

Ion Ratio Lower Upper

96 100

61 188.1 128.8 239.2

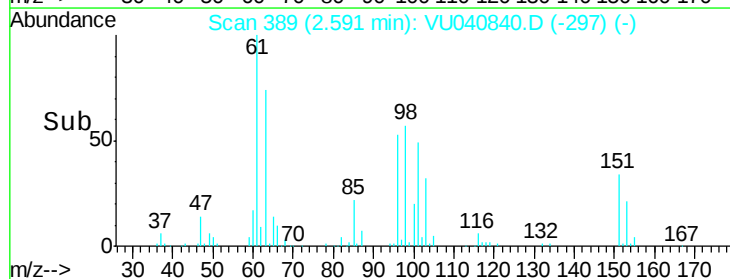
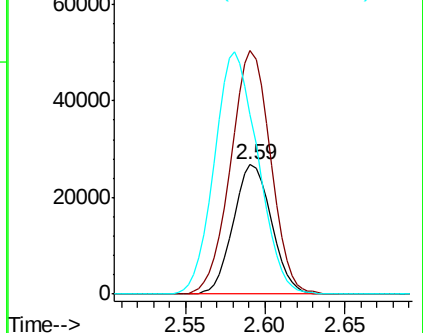
63 139.2 84.6 157.2

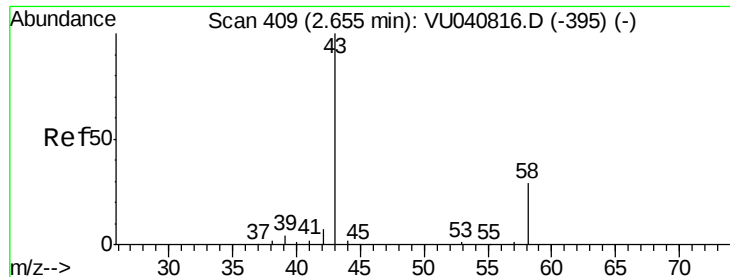


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.889 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

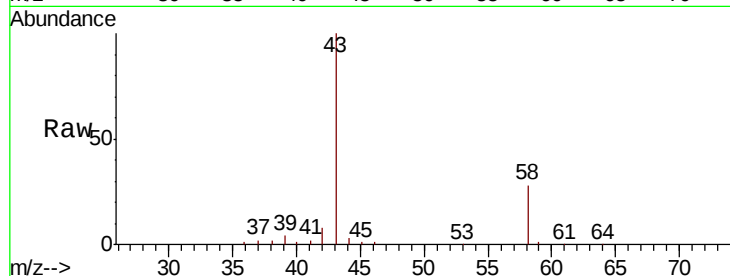
VSTD00520

Tot Ion: 43 Resp: 117628

Ion Ratio Lower Upper

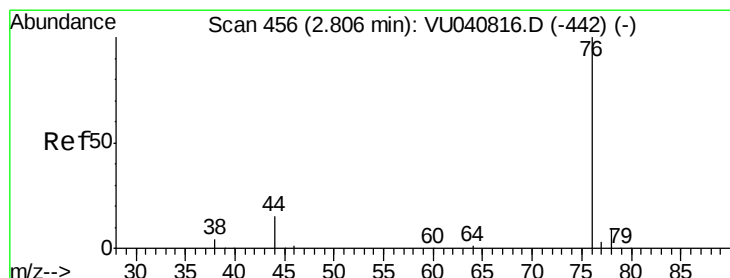
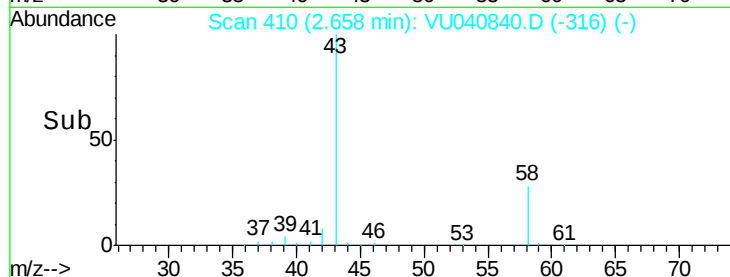
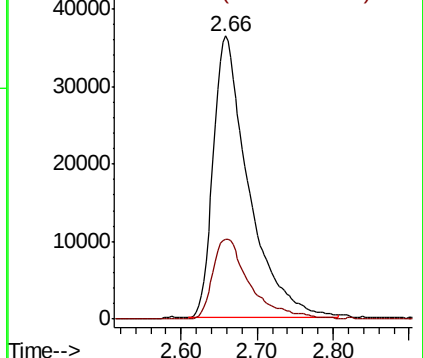
43 100

58 30.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 6.012 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040840.D

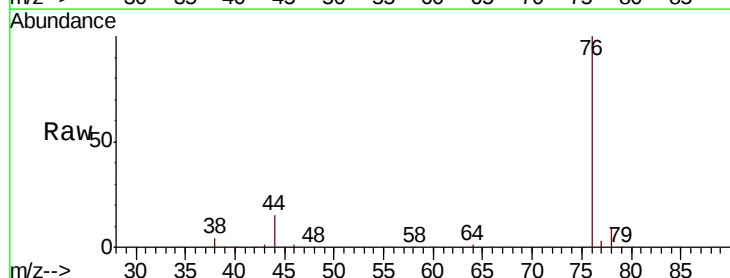
Acq: 20 Oct 2020 11:23

Tgt Ion: 76 Resp: 153081

Ion Ratio Lower Upper

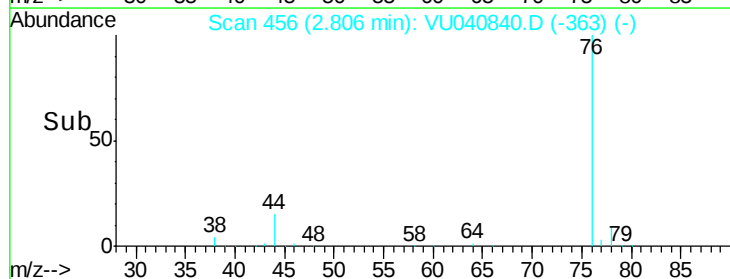
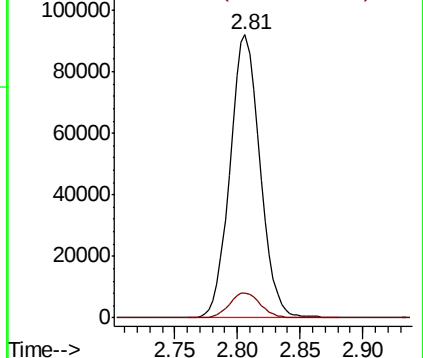
76 100

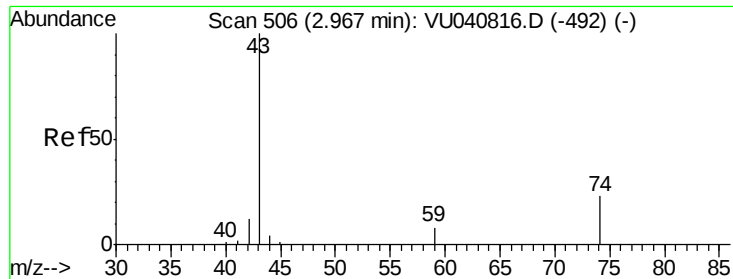
78 8.9 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

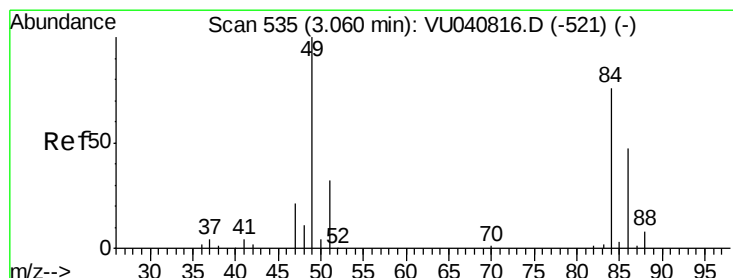
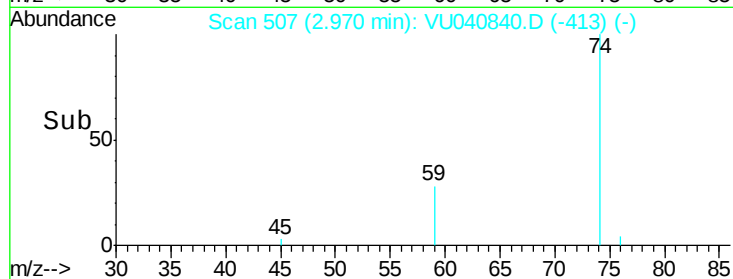
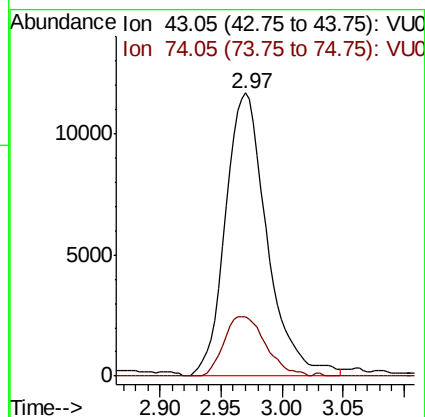
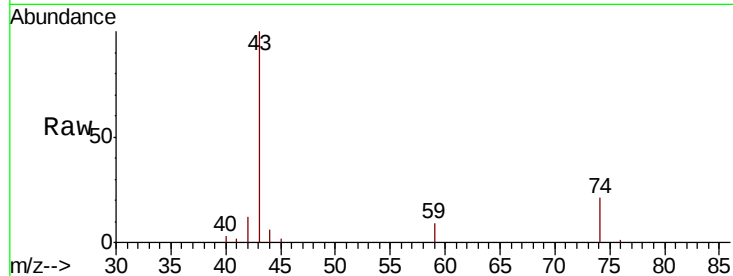




#15
Methyl Acetate
Concen: 4.655 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

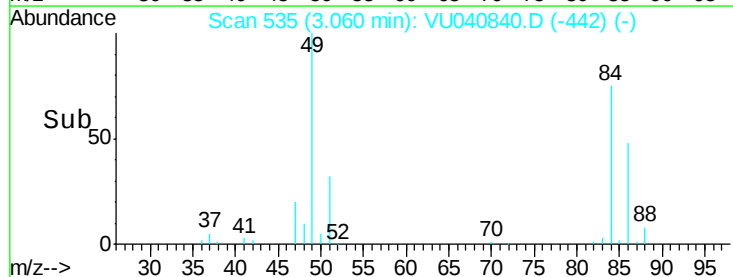
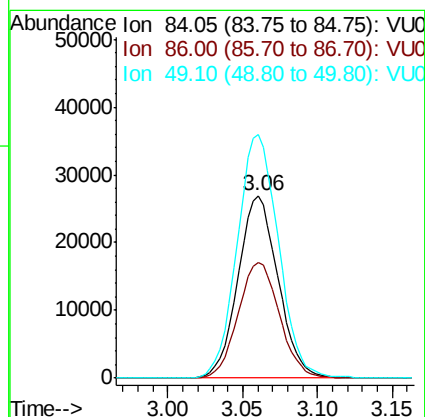
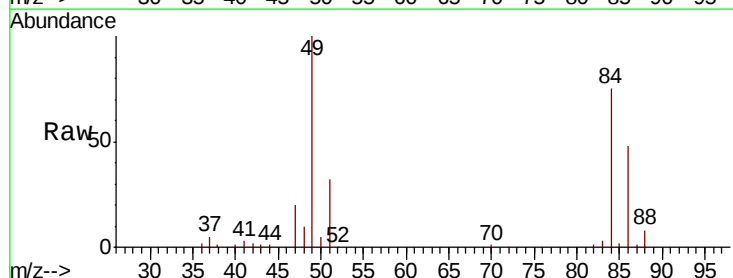
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

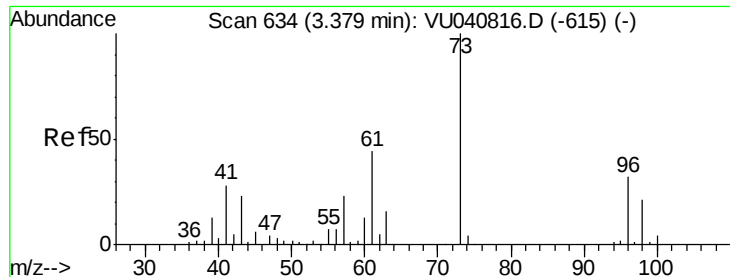
Tot Ion: 43 Resp: 27854
Ion Ratio Lower Upper
43 100
74 21.0 16.5 24.7



#16
Methylene chloride
Concen: 4.305 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 84 Resp: 50286
Ion Ratio Lower Upper
84 100
86 63.4 45.4 84.4
49 133.2 99.8 185.3

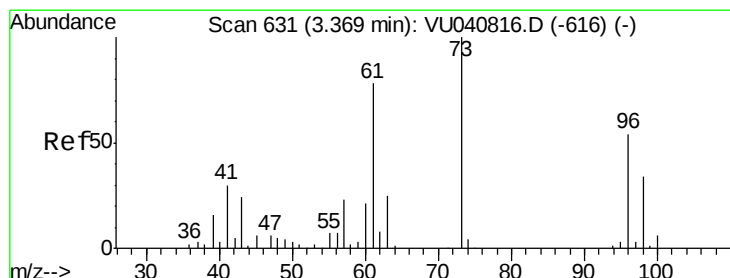
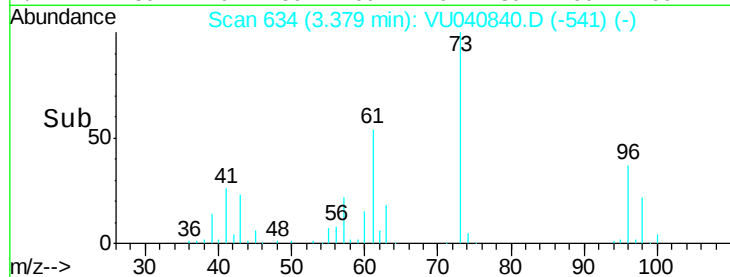
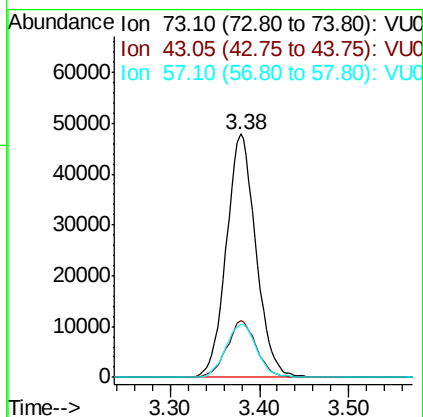
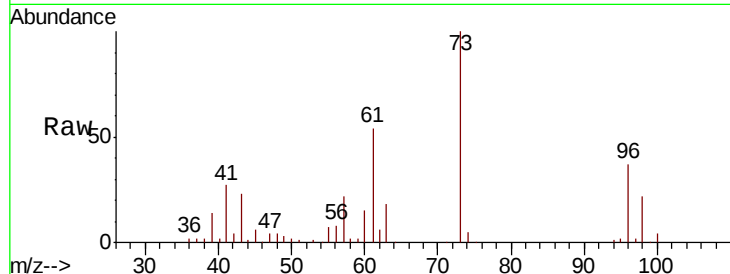




#17
Methvl tert-butvl Ether
Concen: 4.272 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

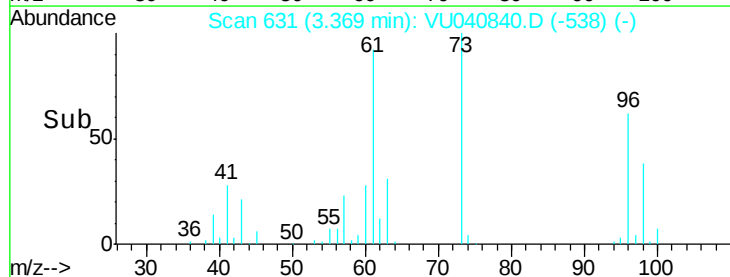
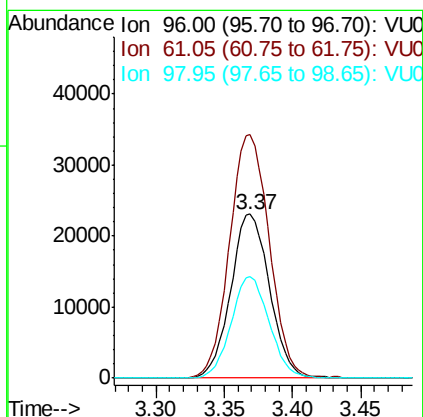
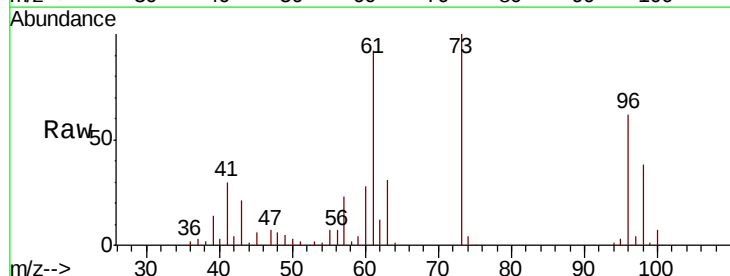
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

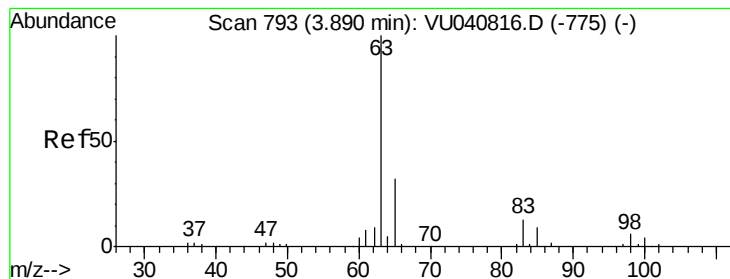
Tot Ion: 73 Resp: 109876
Ion Ratio Lower Upper
73 100
43 23.2 18.2 27.4
57 22.7 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 4.804 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 96 Resp: 45746
Ion Ratio Lower Upper
96 100
61 148.7 105.9 196.7
98 62.3 43.8 81.3





#19

1,1-Dichloroethane

Concen: 4.604 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

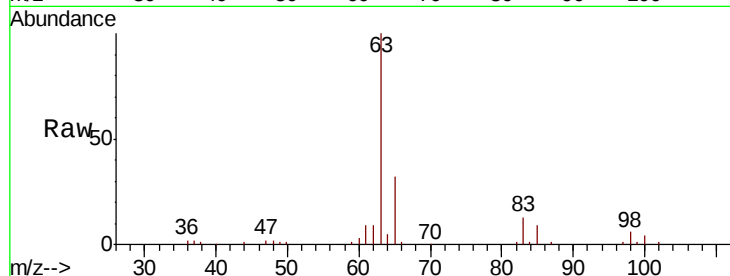
Tot Ion: 63 Resp: 90676

Ion Ratio Lower Upper

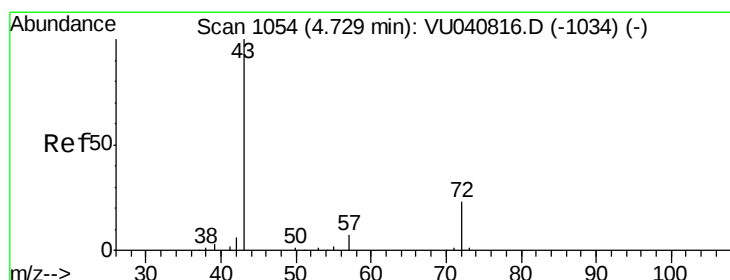
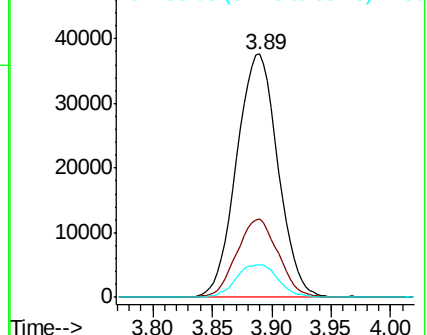
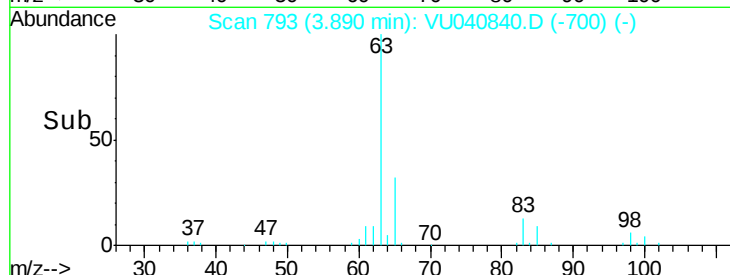
63 100

65 32.2 21.9 40.7

83 13.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU040840.D (-700) (-)



#21

2-Butanone

Concen: 45.720 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VU040840.D

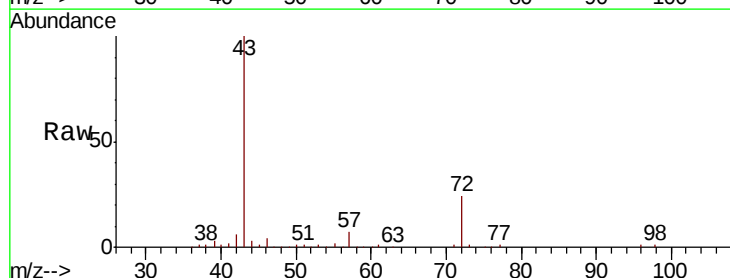
Acq: 20 Oct 2020 11:23

Tgt Ion: 43 Resp: 186784

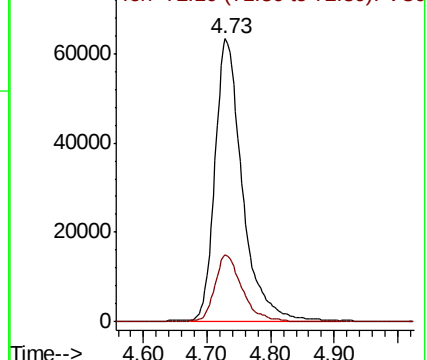
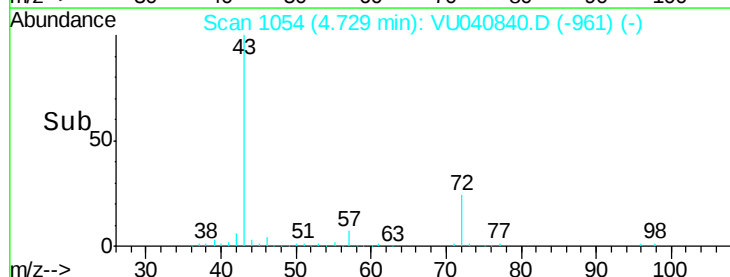
Ion Ratio Lower Upper

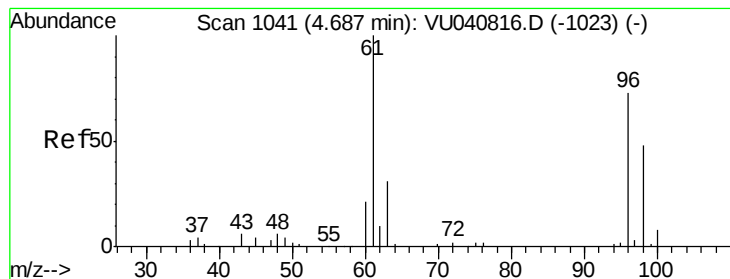
43 100

72 23.9 11.4 34.2



Abundance Ion 43.05 (42.75 to 43.75): VU040840.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.628 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

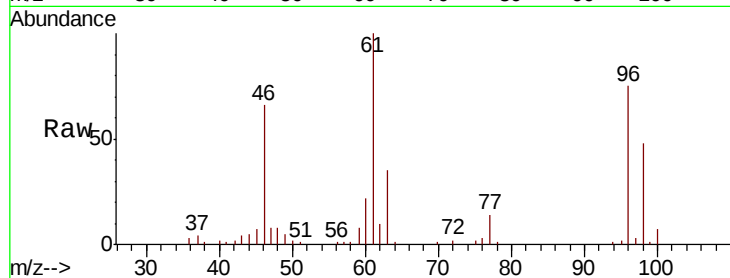
Tot Ion: 96 Resp: 47523

Ion Ratio Lower Upper

96 100

61 133.1 99.8 185.4

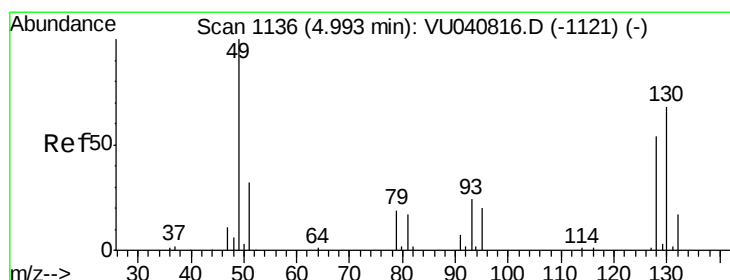
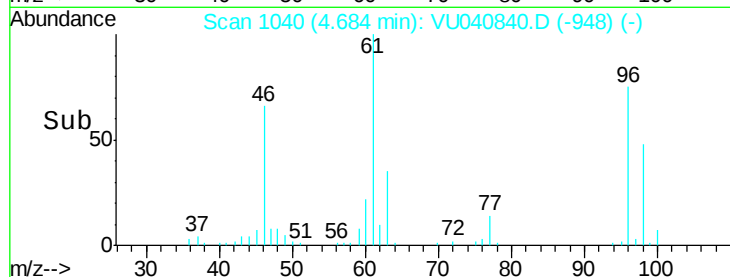
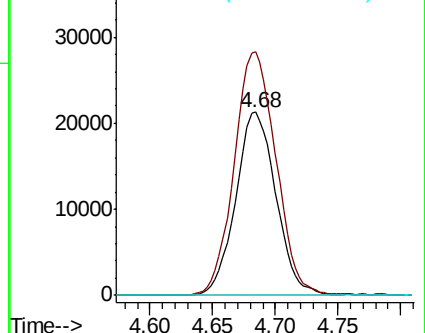
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040840.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU040840.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU040840.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.629 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Tgt Ion:128 Resp: 23615

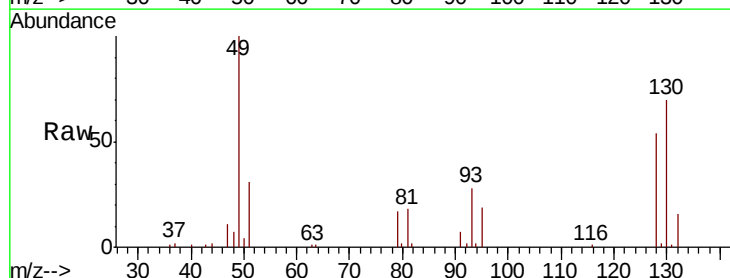
Ion Ratio Lower Upper

128 100

49 185.9 132.2 245.4

130 129.9 89.2 165.8

51 57.8 45.3 67.9

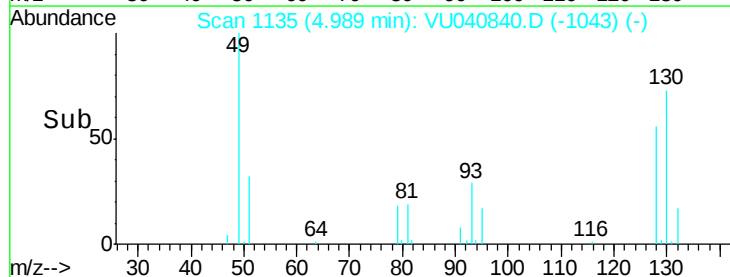
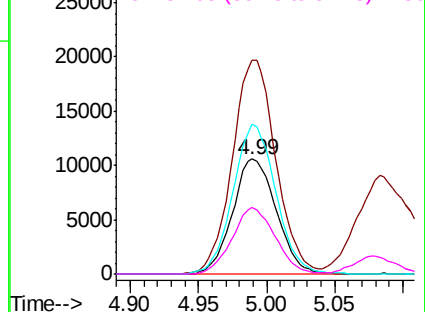


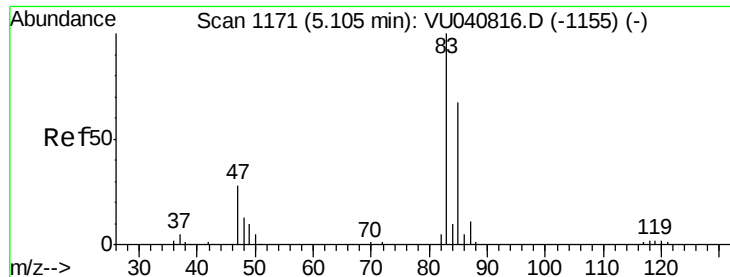
Abundance Ion 127.90 (127.60 to 128.60): VU040840.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040840.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040840.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040840.D (-1043) (-)

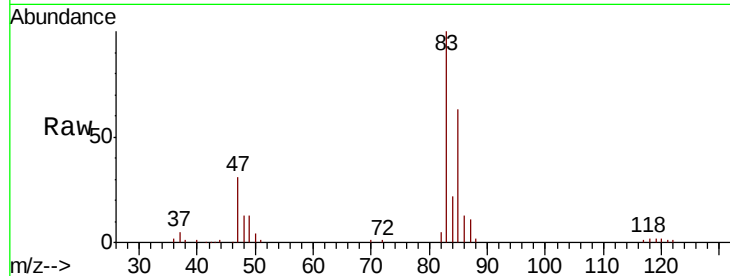




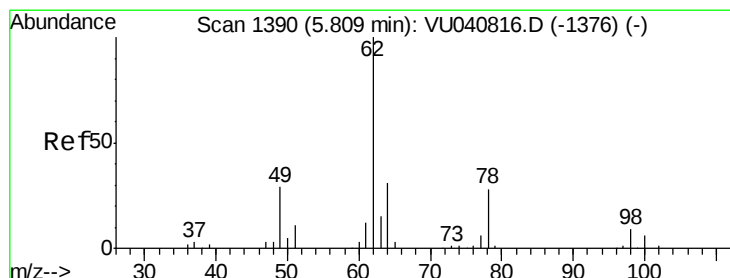
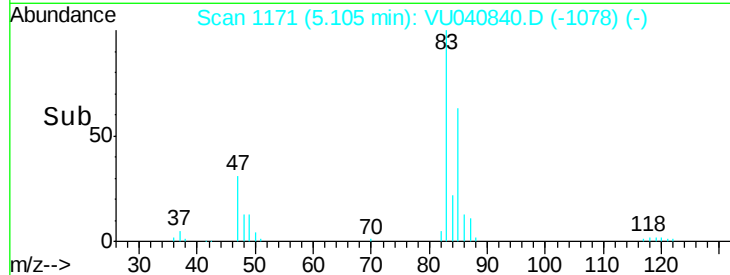
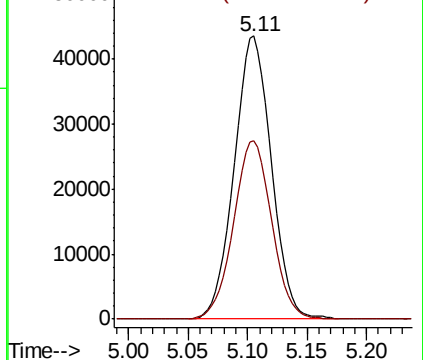
#25
Chloroform
Concen: 4.688 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 83 Resp: 94264
Ion Ratio Lower Upper
83 100
85 62.9 46.5 86.5

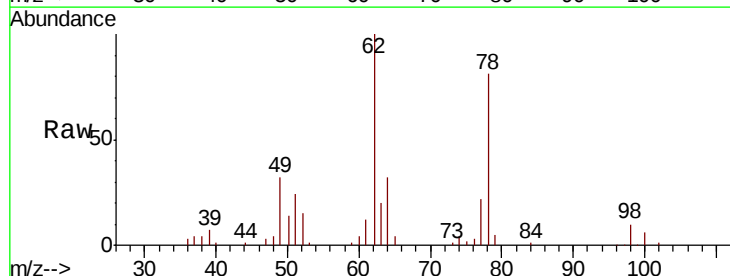


Abundance Ion 83.05 (82.75 to 83.75): VU040840.D (-1078) (-)
Ion 85.00 (84.70 to 85.70): VU040840.D (-1078) (-)

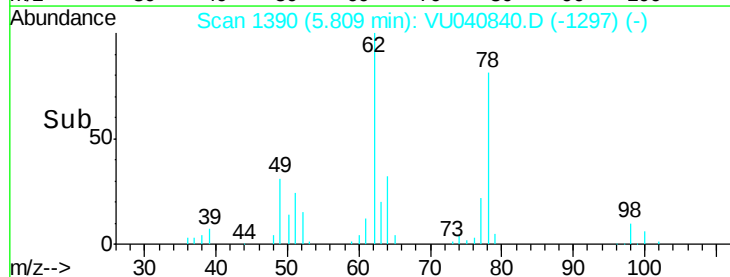
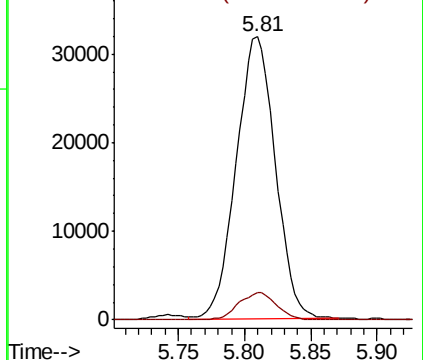


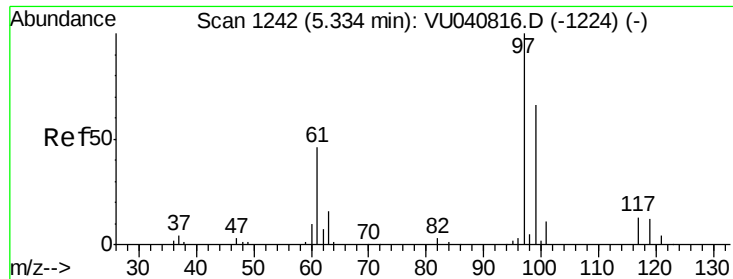
#27
1,2-Dichloroethane
Concen: 4.593 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 62 Resp: 65369
Ion Ratio Lower Upper
62 100
98 9.5 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VU040840.D (-1297) (-)
Ion 98.05 (97.75 to 98.75): VU040840.D (-1297) (-)

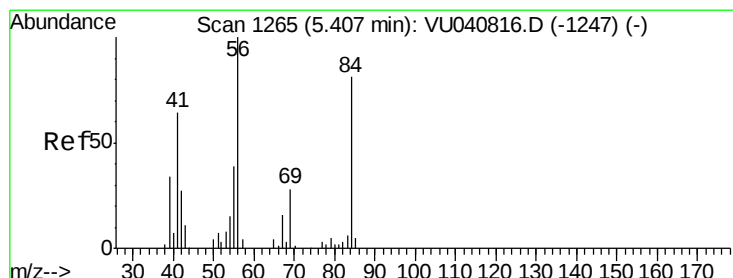
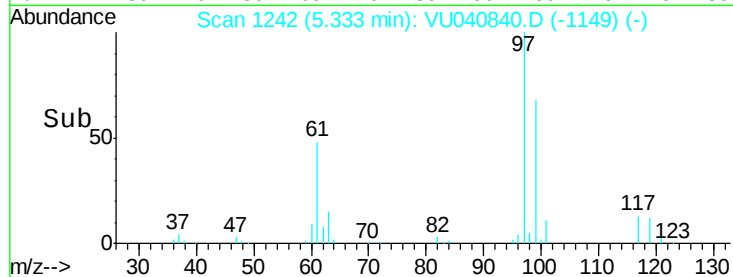
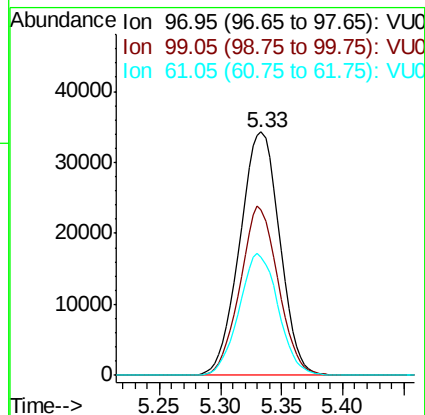
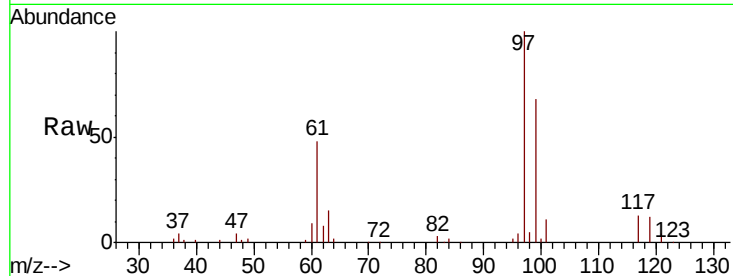




#29
 1,1,1-Trichloroethane
 Concen: 4.398 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

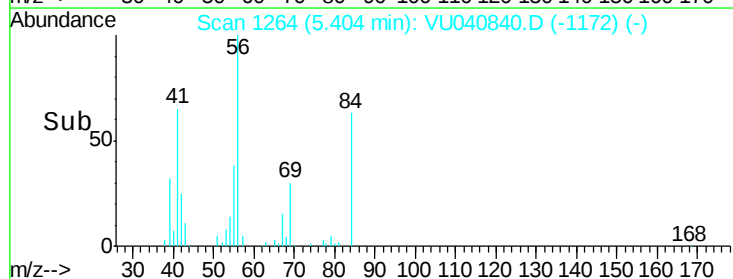
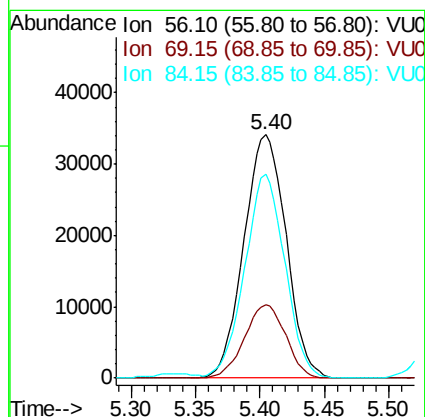
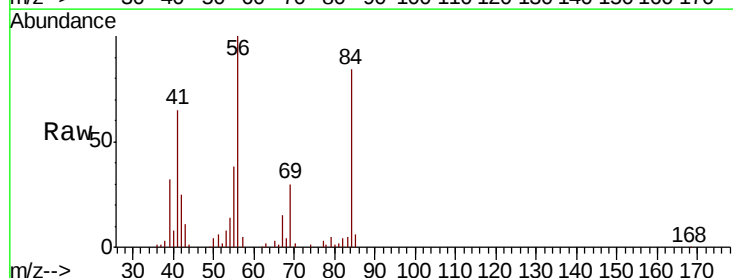
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

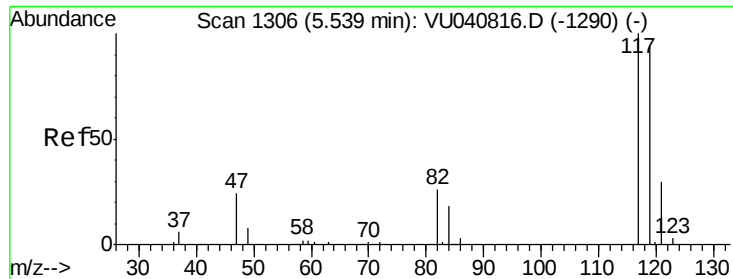
Tot Ion: 97 Resp: 77628
 Ion Ratio Lower Upper
 97 100
 99 66.3 51.3 76.9
 61 49.1 39.4 59.2



#30
 Cyclohexane
 Concen: 4.786 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion: 56 Resp: 77855
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.8 35.8
 84 79.9 64.0 96.0





#31

Carbon tetrachloride

Concen: 4.557 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

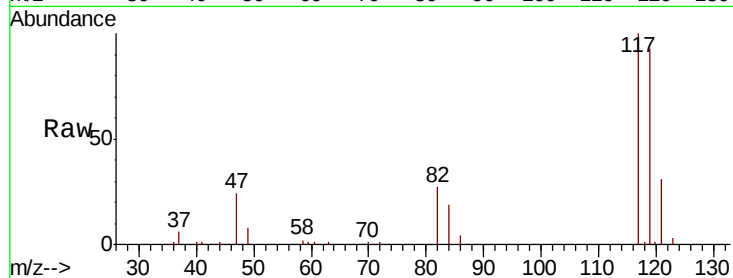
VSTD00520

Tot Ion:117 Resp: 68837

Ion Ratio Lower Upper

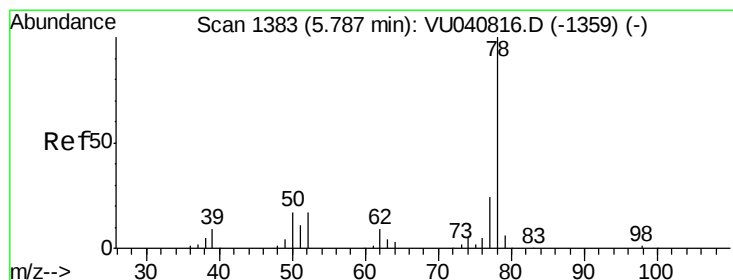
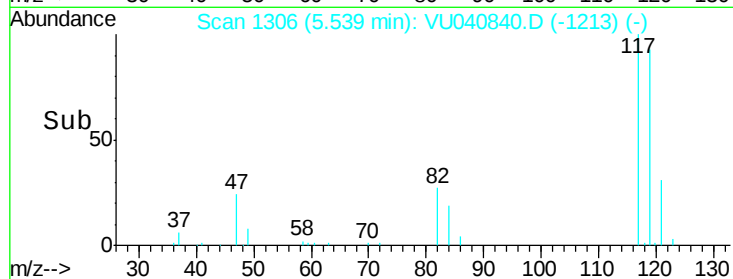
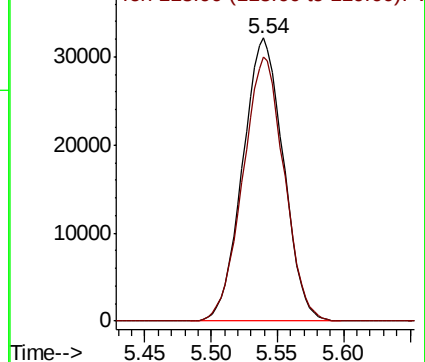
117 100

119 94.4 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.567 ug/L

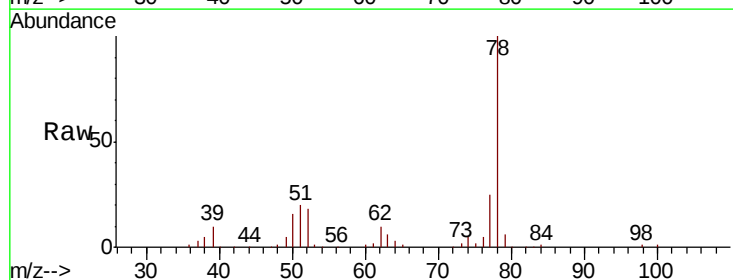
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

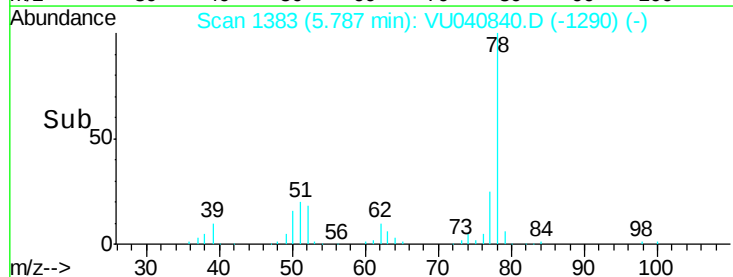
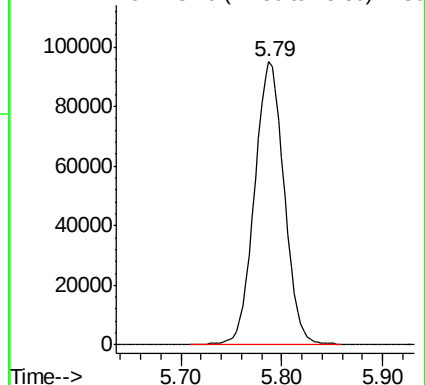
Lab File: VU040840.D

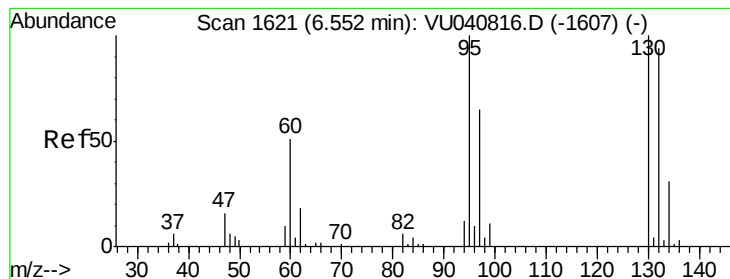
Acq: 20 Oct 2020 11:23

Tgt Ion: 78 Resp: 192750



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 4.421 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 95 Resp: 48360

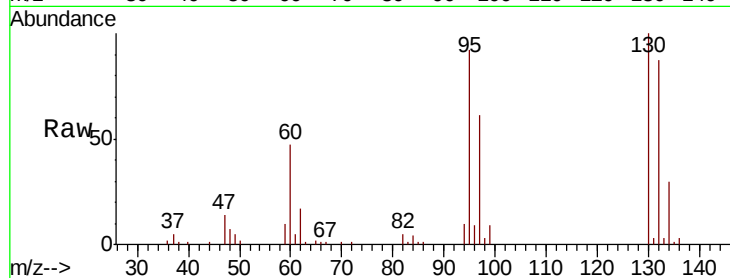
Ion Ratio Lower Upper

95 100

97 66.1 45.5 84.5

132 94.1 67.5 125.4

130 108.8 69.9 129.9

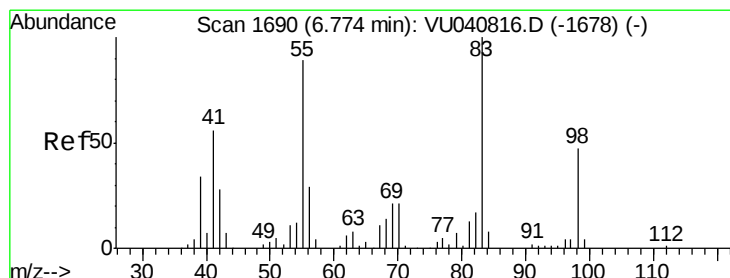
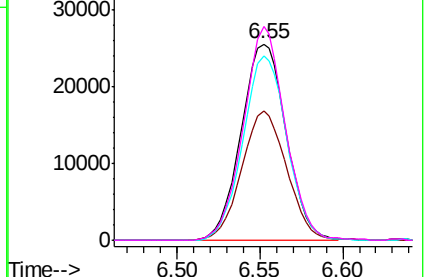
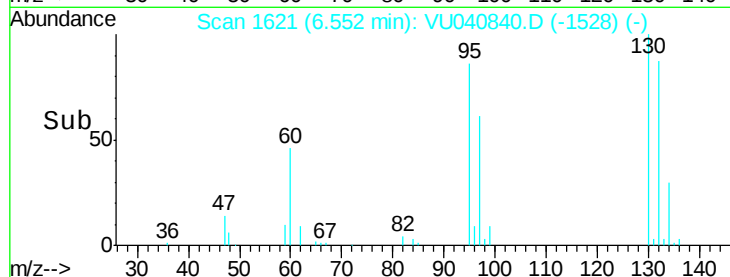


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.846 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

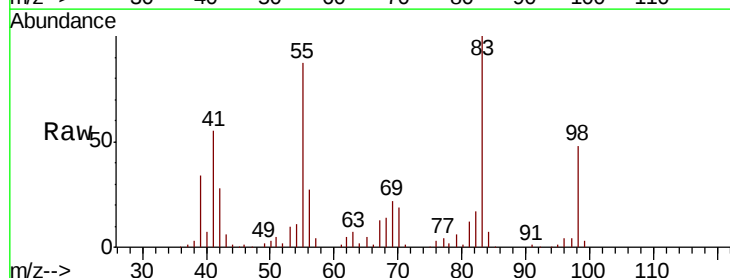
Tgt Ion: 83 Resp: 75177

Ion Ratio Lower Upper

83 100

55 88.7 70.7 106.1

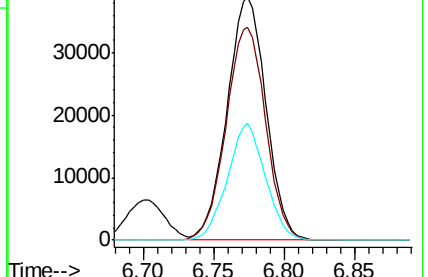
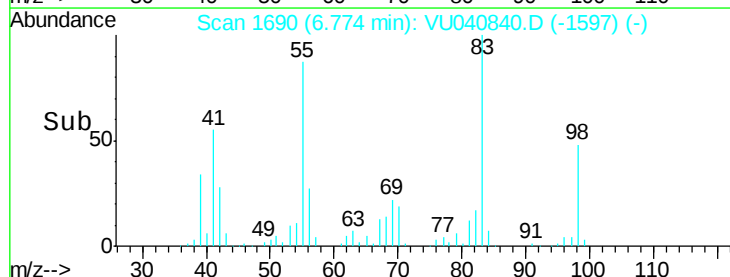
98 46.6 38.4 57.6

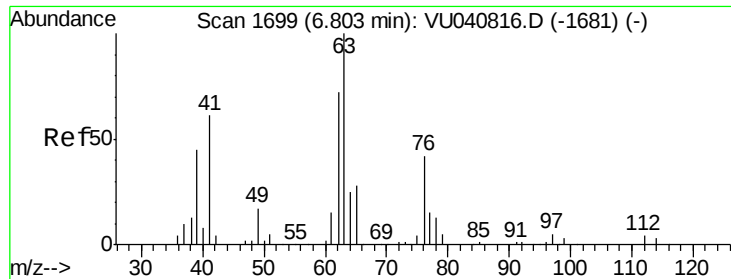


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

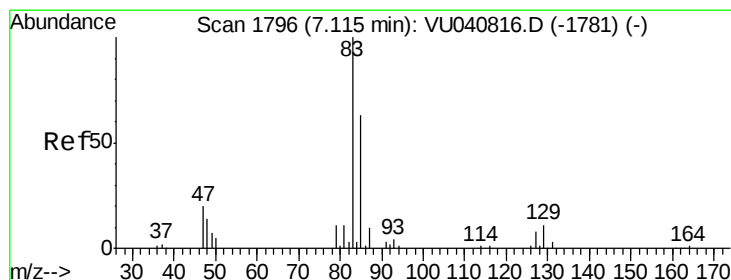
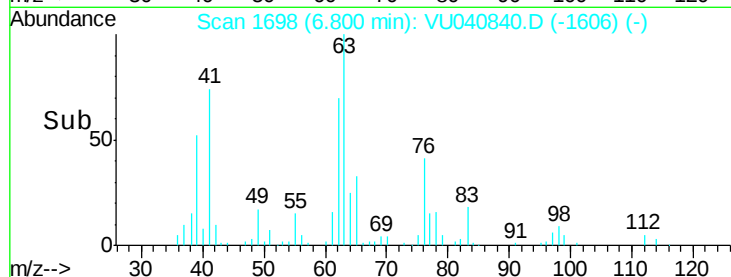
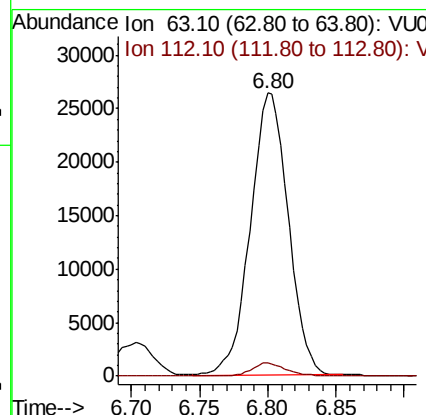
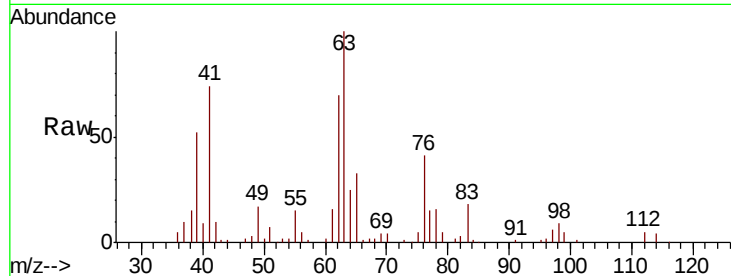




#37
 1,2-Dichloropropane
 Concen: 4.332 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

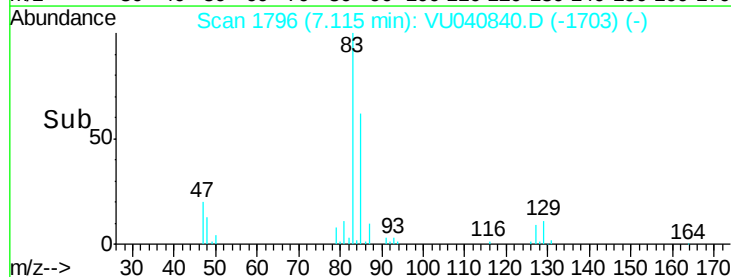
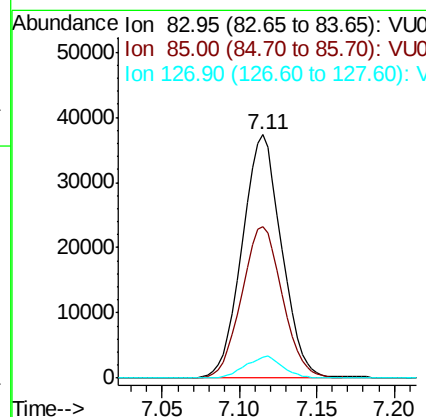
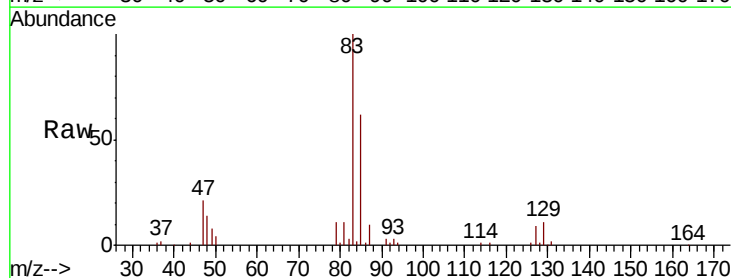
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

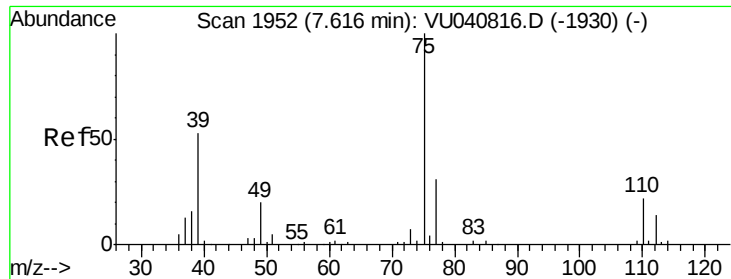
Tot Ion: 63 Resp: 50936
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.398 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion: 83 Resp: 66113
 Ion Ratio Lower Upper
 83 100
 85 62.3 46.0 85.4
 127 8.7 6.7 10.1

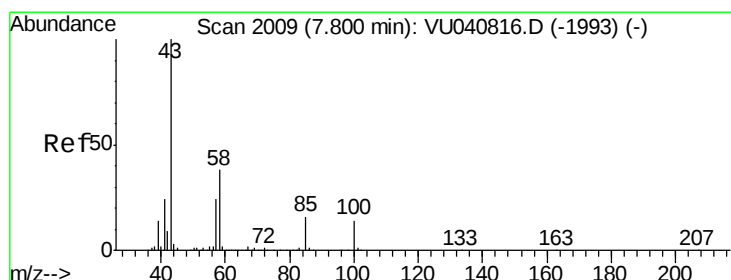
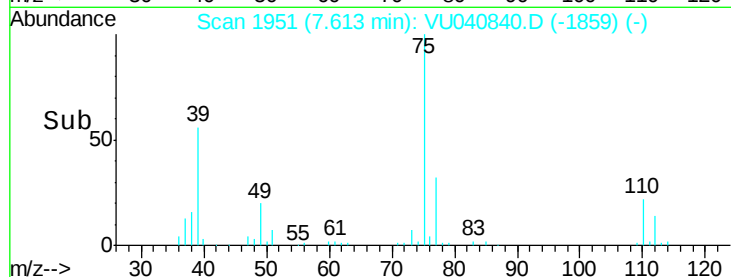
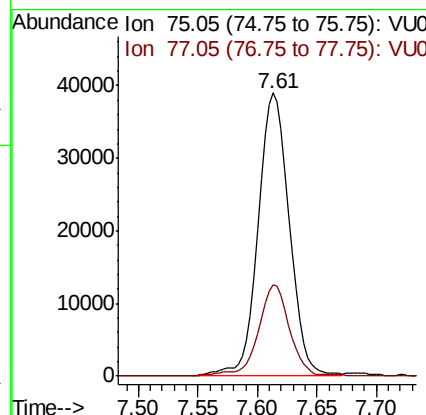
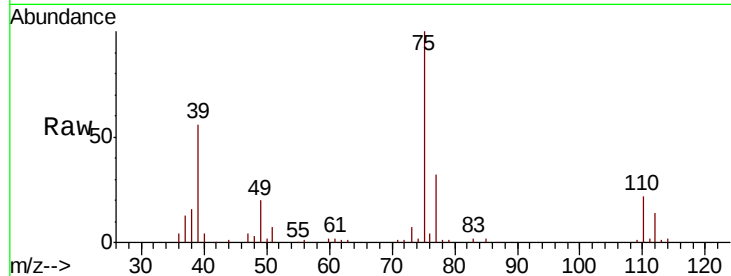




#39
 cis-1,3-Dichloropropene
 Concen: 4.421 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

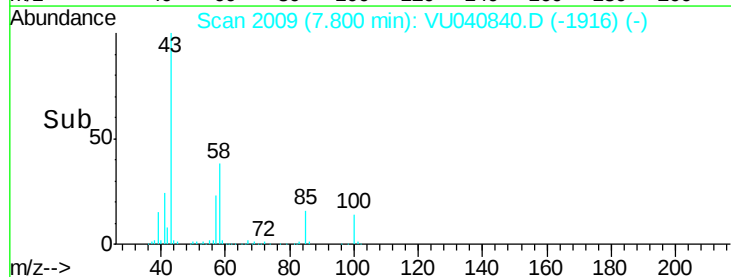
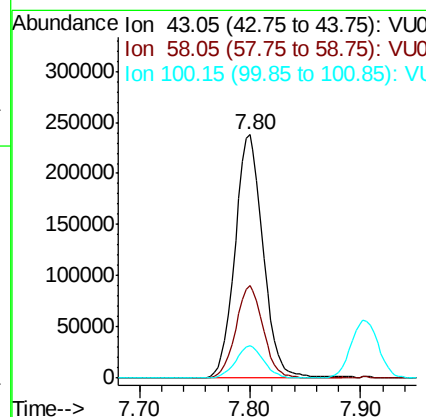
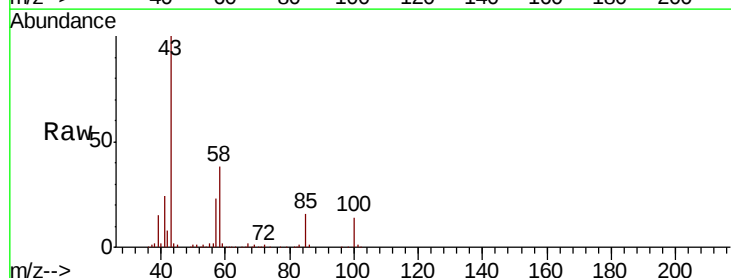
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

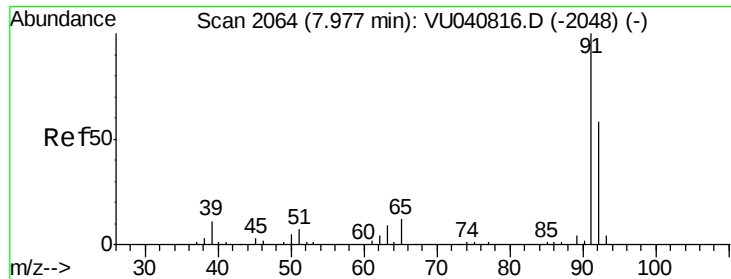
Tot Ion: 75 Resp: 71029
 Ion Ratio Lower Upper
 75 100
 77 32.1 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 44.865 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion: 43 Resp: 420592
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.7 44.5
 100 13.4 10.7 16.1





#42

Toluene

Concen: 4.713 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

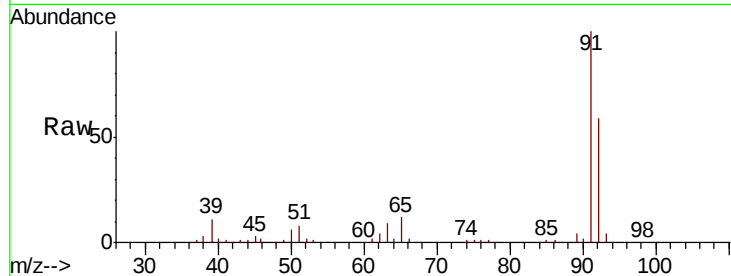
VSTD00520

Tot Ion: 91 Resp: 202666

Ion Ratio Lower Upper

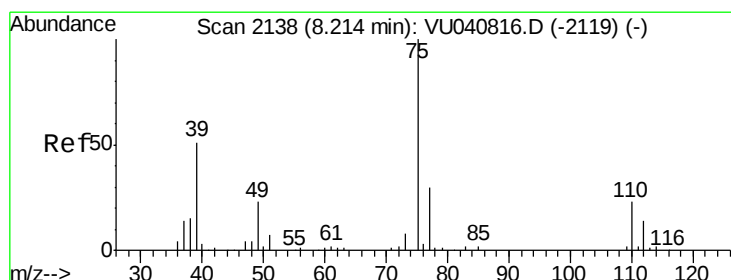
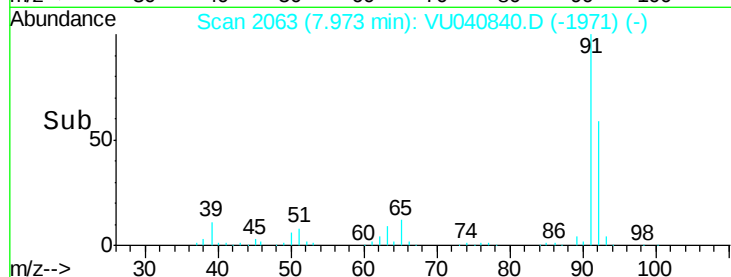
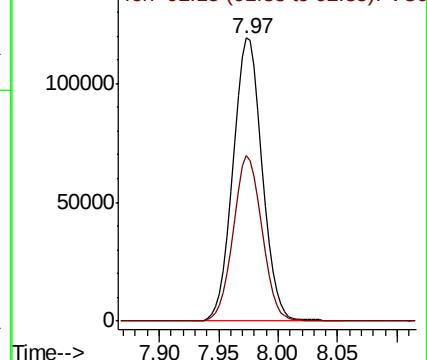
91 100

92 58.5 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 4.536 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040840.D

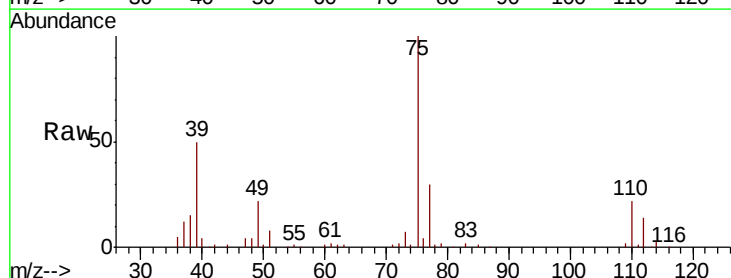
Acq: 20 Oct 2020 11:23

Tgt Ion: 75 Resp: 67090

Ion Ratio Lower Upper

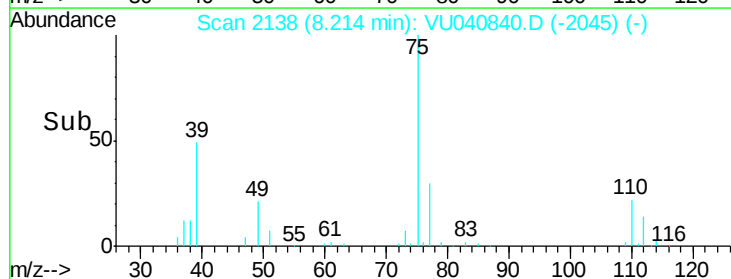
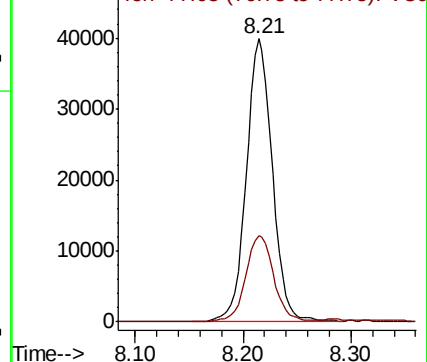
75 100

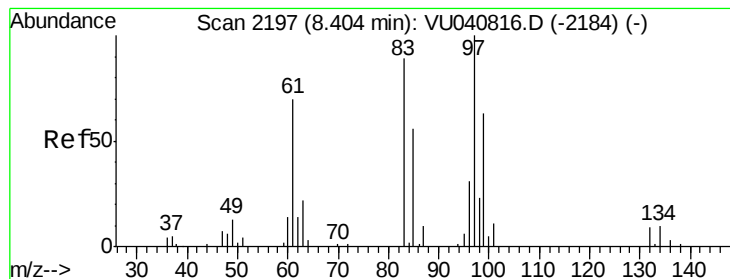
77 30.4 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#45

1,1,2-Trichloroethane

Concen: 4.372 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 97 Resp: 38503

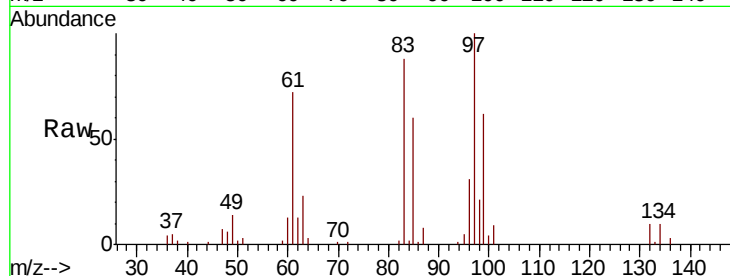
Ion Ratio Lower Upper

97 100

99 62.2 44.0 81.6

83 88.3 62.9 116.9

85 59.8 40.3 74.8

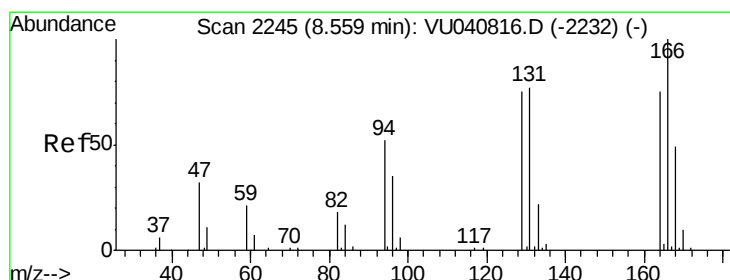
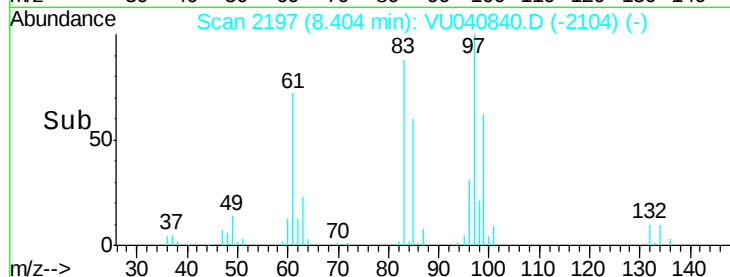
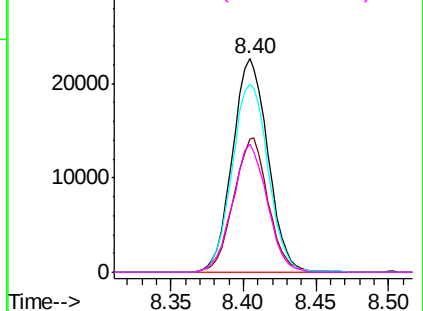


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.756 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Tgt Ion: 164 Resp: 37122

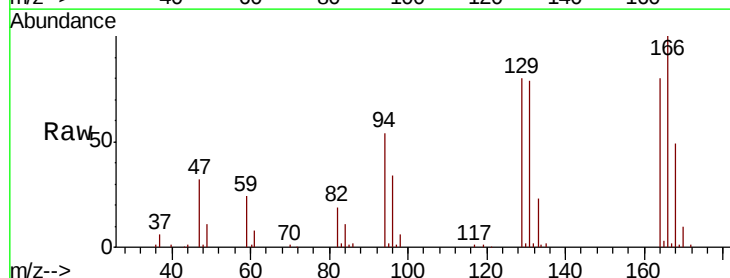
Ion Ratio Lower Upper

164 100

129 99.1 68.8 127.8

131 98.6 66.7 123.9

166 124.6 83.9 155.7

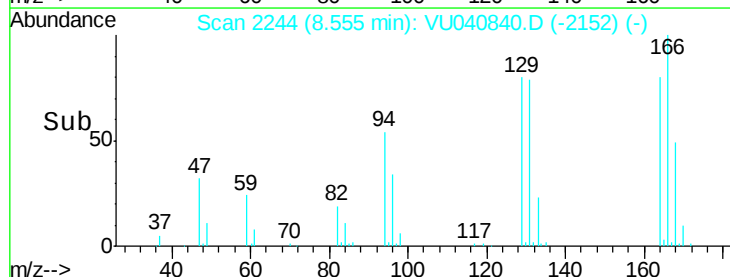
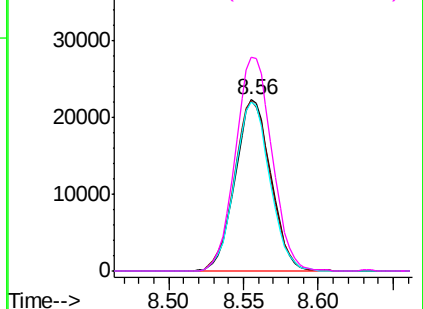


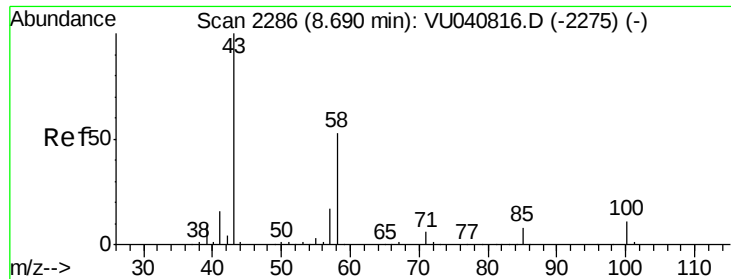
Abundance Ion 163.90 (163.60 to 164.60): V

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

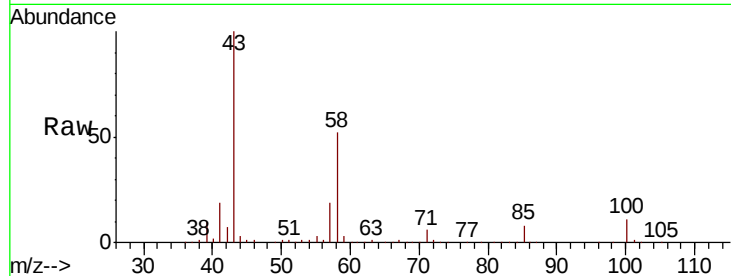




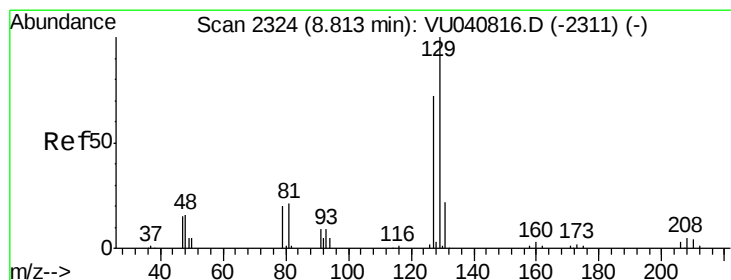
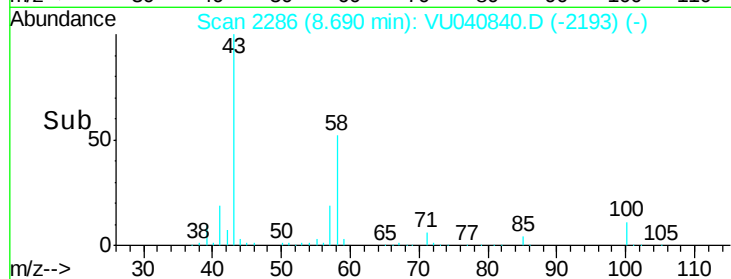
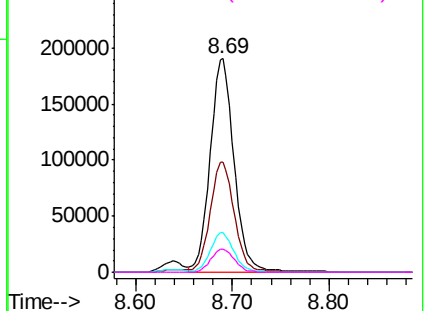
#48
2-Hexanone
Concen: 46.787 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 43 Resp: 326551
Ion Ratio Lower Upper
43 100
58 52.0 41.0 61.6
57 18.1 14.4 21.6
100 10.7 8.6 13.0

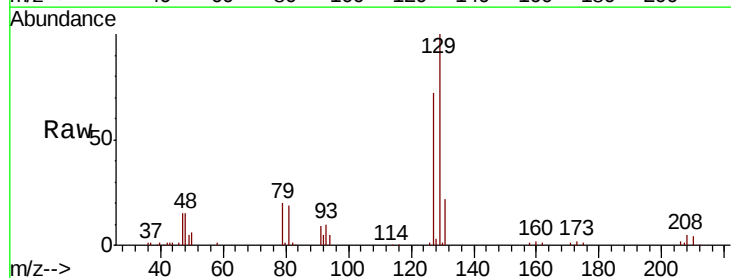


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

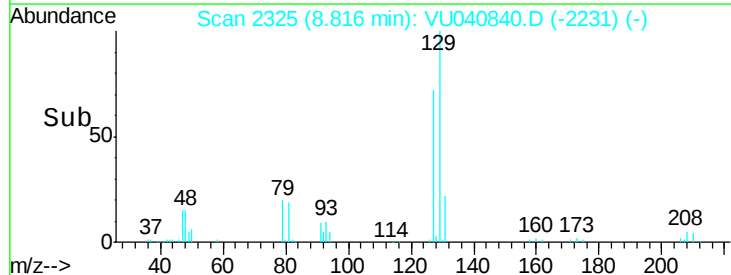
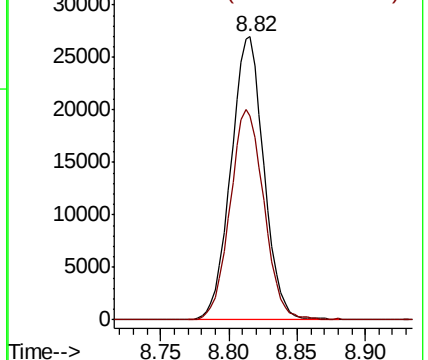


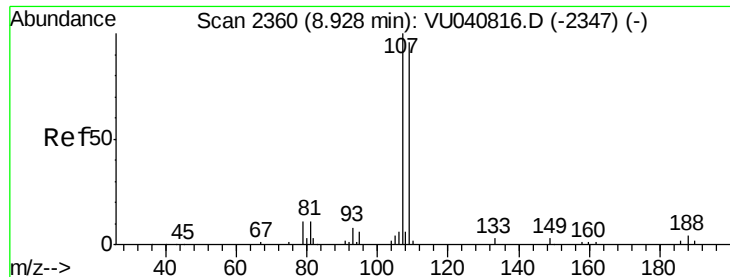
#49
Dibromochloromethane
Concen: 4.469 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 129 Resp: 45281
Ion Ratio Lower Upper
129 100
127 71.9 55.8 103.6



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

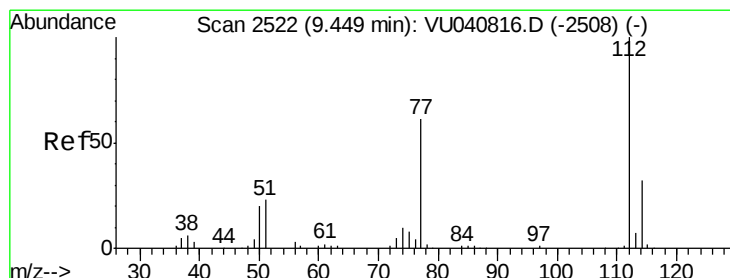
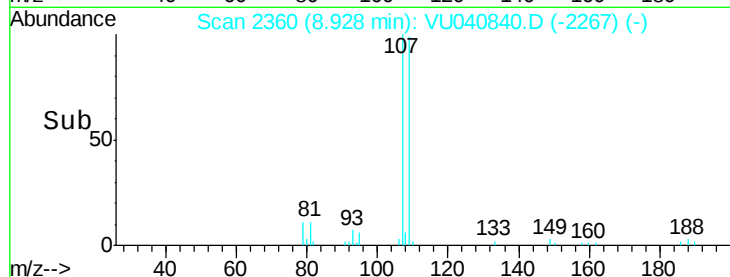
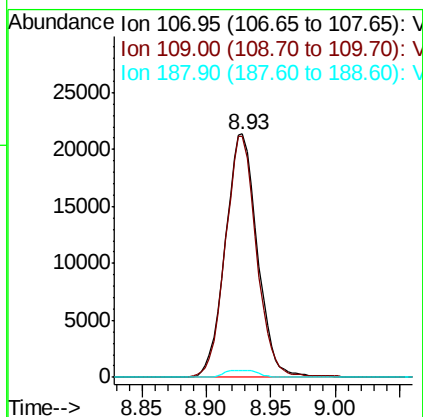
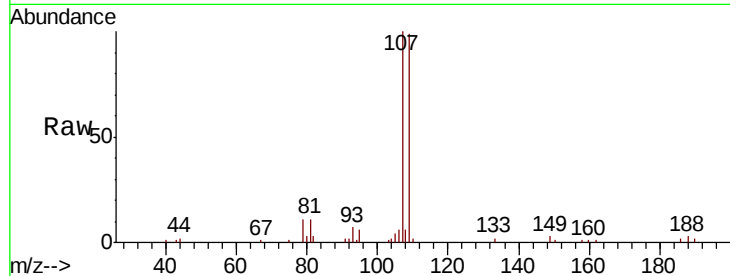




#50
 1,2-Dibromoethane
 Concen: 4.405 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

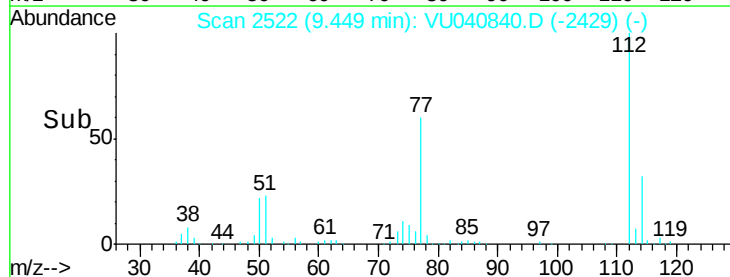
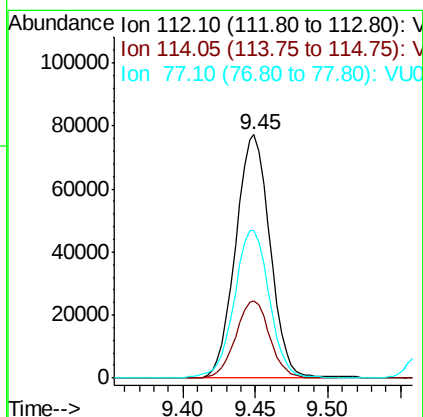
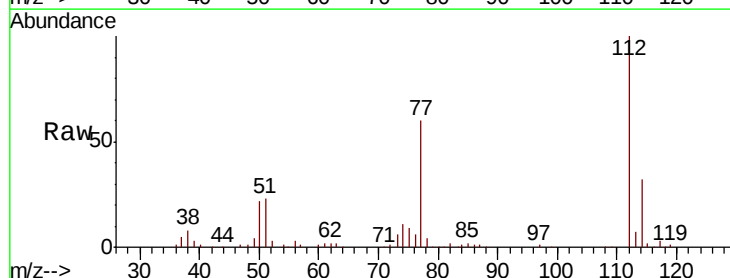
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00520

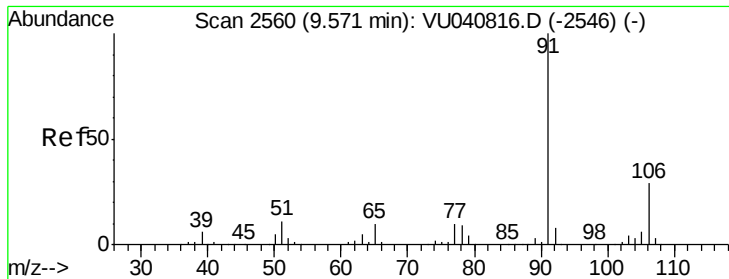
Tot Ion:107 Resp: 36800
 Ion Ratio Lower Upper
 107 100
 109 99.0 65.7 121.9
 188 3.0 3.0 4.4



#51
 Chlorobenzene
 Concen: 4.502 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion:112 Resp: 127519
 Ion Ratio Lower Upper
 112 100
 114 31.9 23.1 42.9
 77 60.5 50.3 75.5

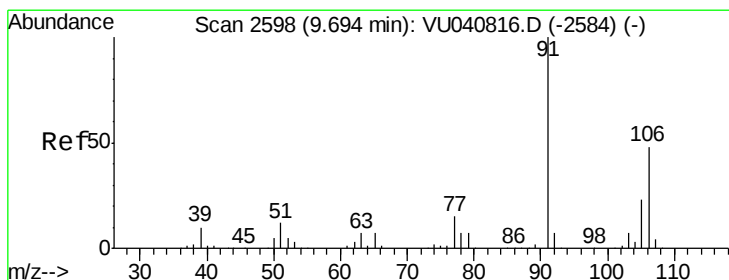
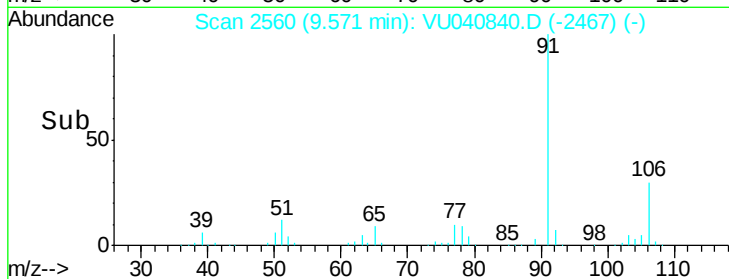
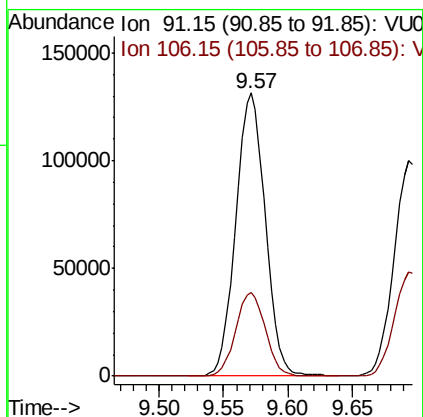
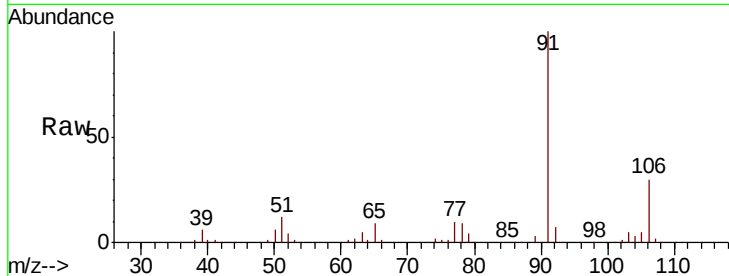




#52
Ethylbenzene
Concen: 4.490 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

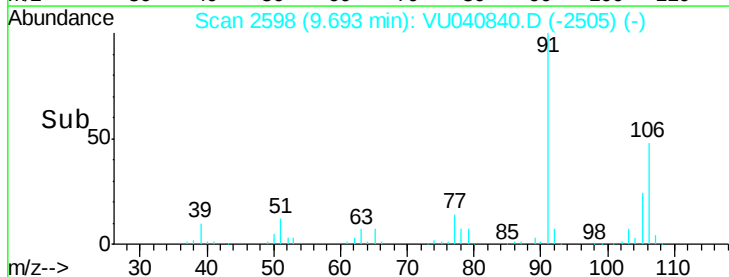
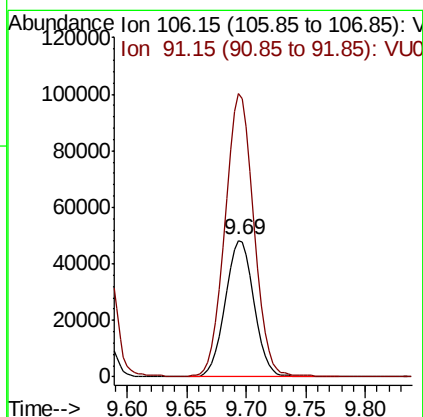
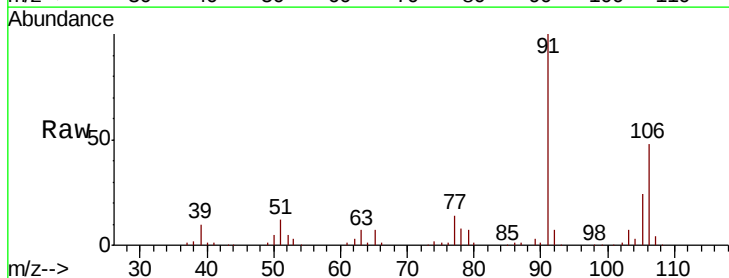
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

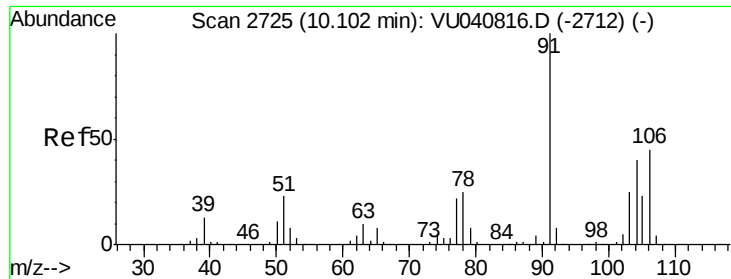
Tot Ion: 91 Resp: 208941
Ion Ratio Lower Upper
91 100
106 29.6 20.7 38.5



#53
m,p-Xylene
Concen: 4.777 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion: 106 Resp: 81032
Ion Ratio Lower Upper
106 100
91 207.2 148.5 275.7

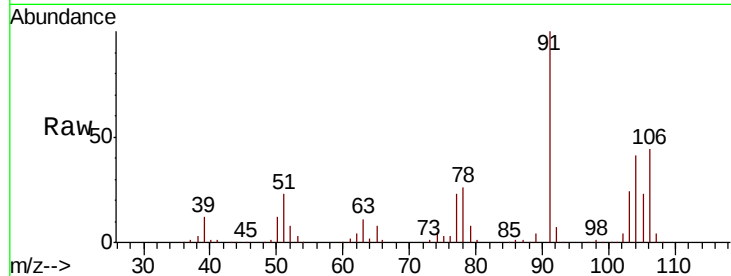




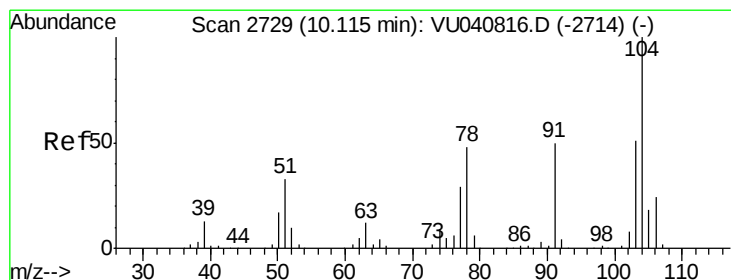
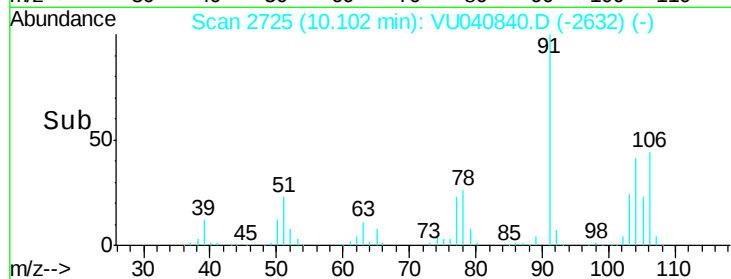
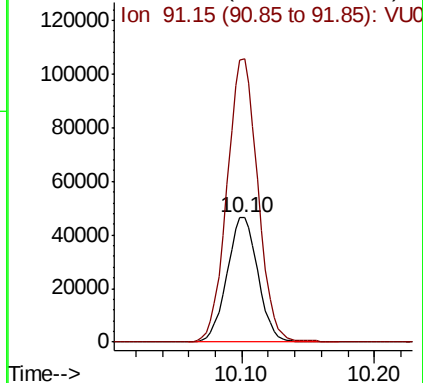
#54
o-Xylene
Concen: 4.621 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:106 Resp: 75378
Ion Ratio Lower Upper
106 100
91 227.5 160.2 297.4

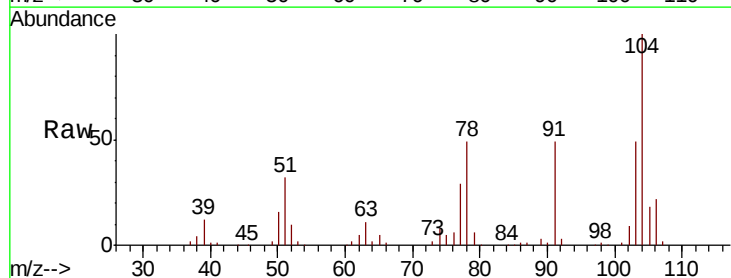


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

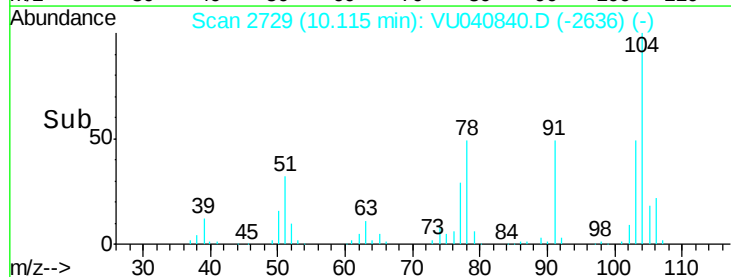
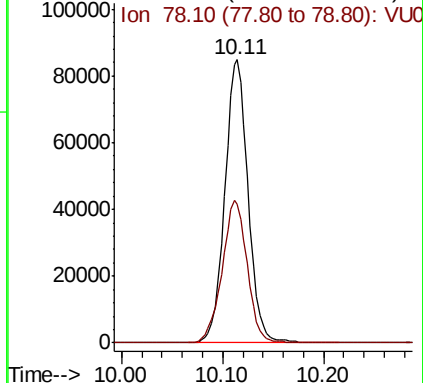


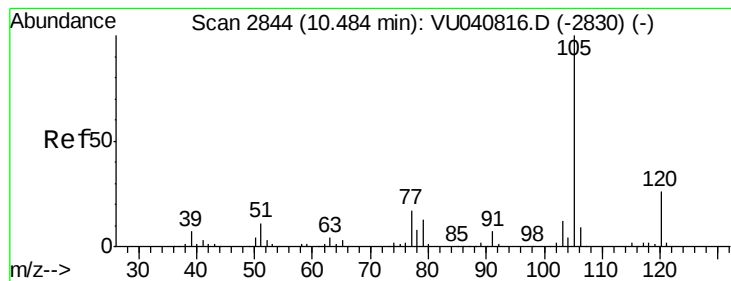
#55
Styrene
Concen: 4.808 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040840.D
Acq: 20 Oct 2020 11:23

Tgt Ion:104 Resp: 136201
Ion Ratio Lower Upper
104 100
78 49.2 34.6 64.3



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





#56

Isopropylbenzene

Concen: 4.629 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

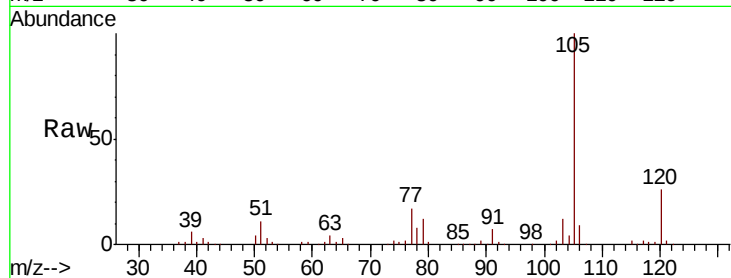
Tot Ion:105 Resp: 203304

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

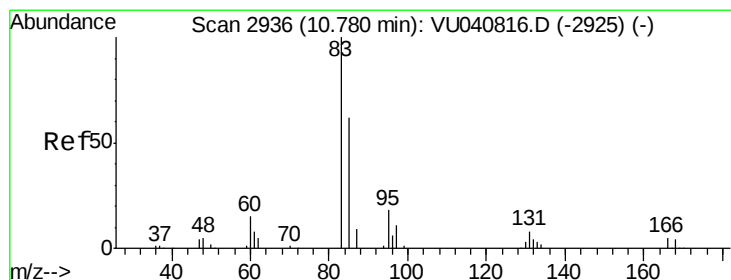
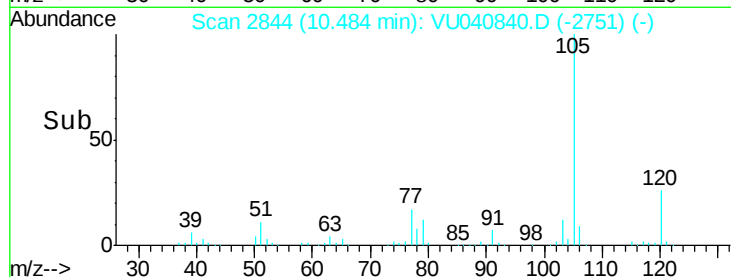
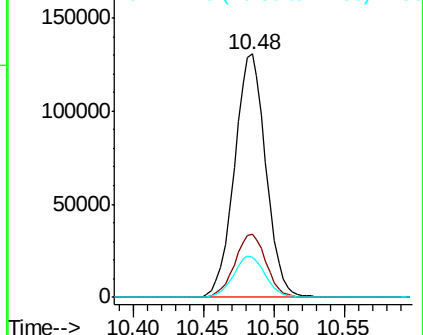
77 17.2 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.524 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

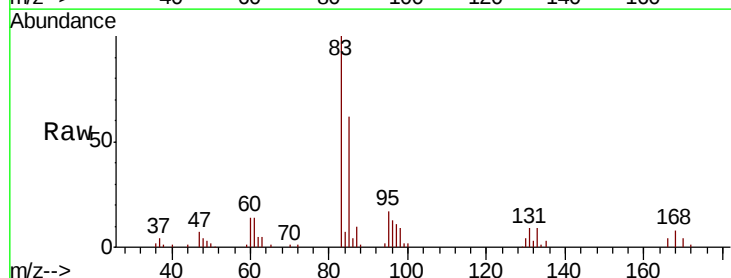
Tgt Ion: 83 Resp: 52310

Ion Ratio Lower Upper

83 100

85 62.4 45.6 84.6

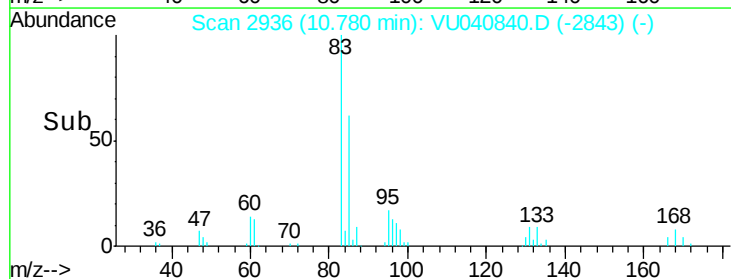
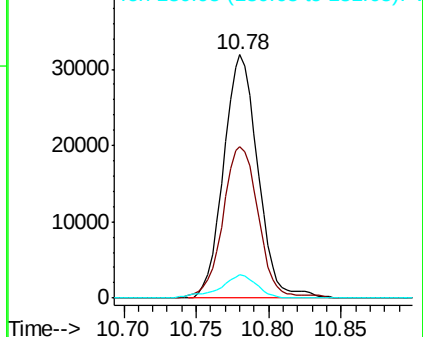
131 9.4 7.1 10.7

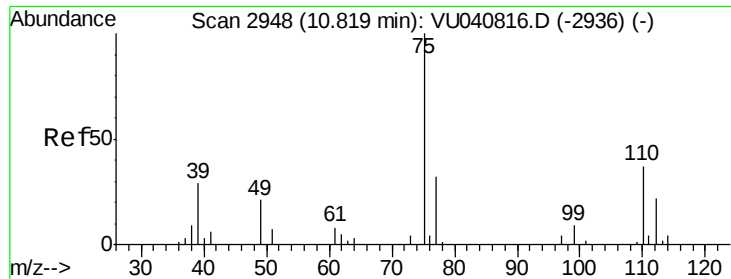


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

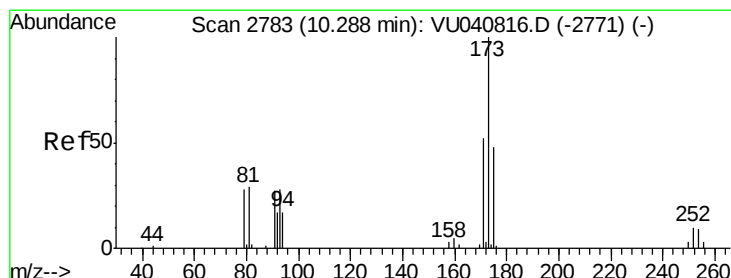
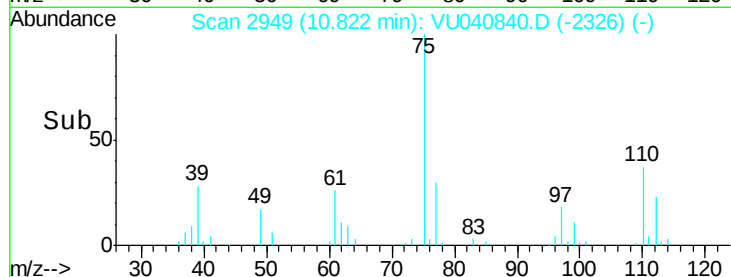
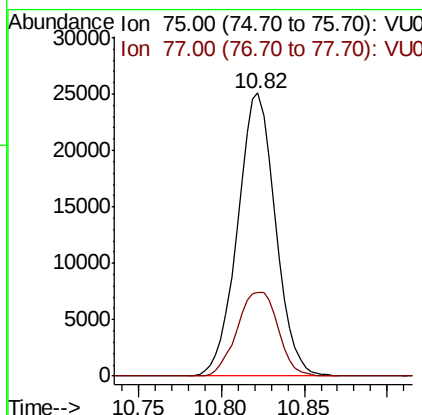
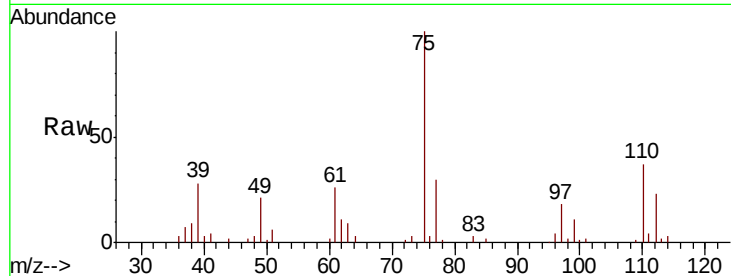




#59
 1,2,3-Trichloropropane
 Concen: 4.614 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

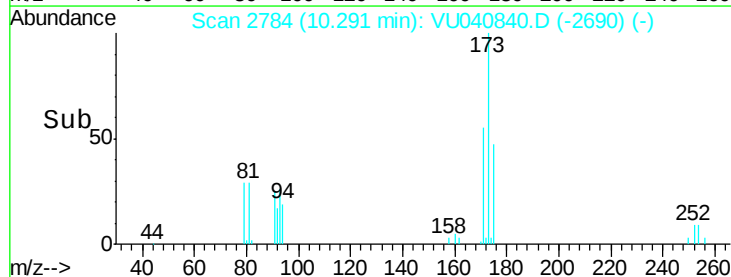
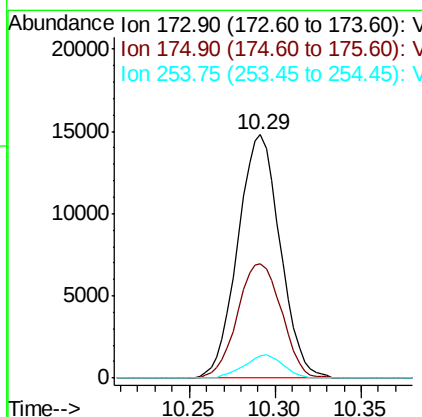
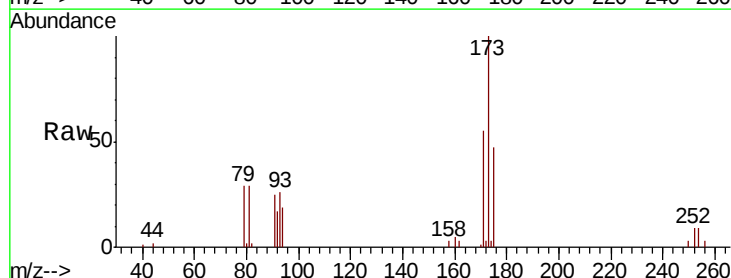
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

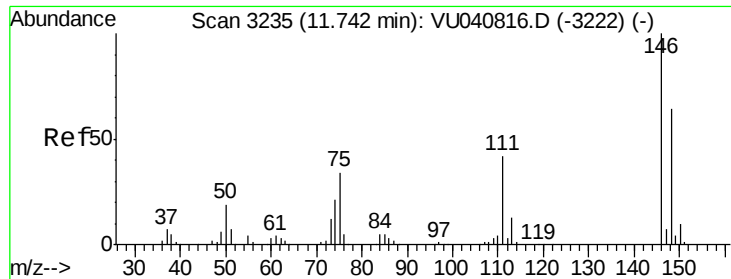
Tot Ion: 75 Resp: 39855
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6



#61
 Bromoform
 Concen: 4.181 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion: 173 Resp: 25251
 Ion Ratio Lower Upper
 173 100
 175 49.2 37.4 56.0
 254 8.7 7.4 11.2

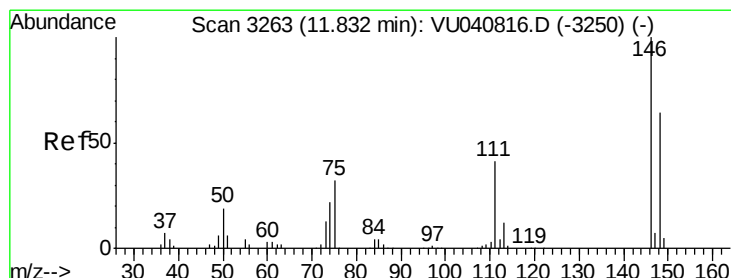
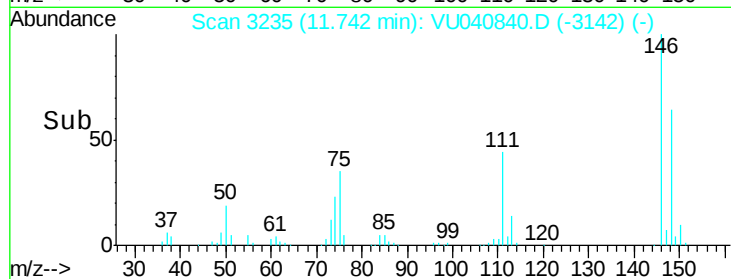
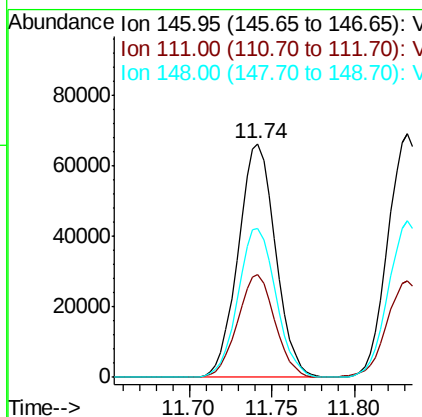
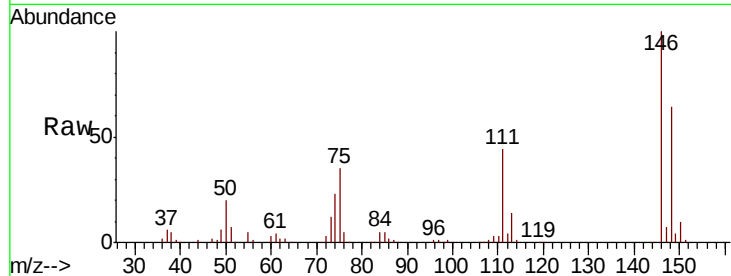




#62
 1,3-Dichlorobenzene
 Concen: 4.496 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

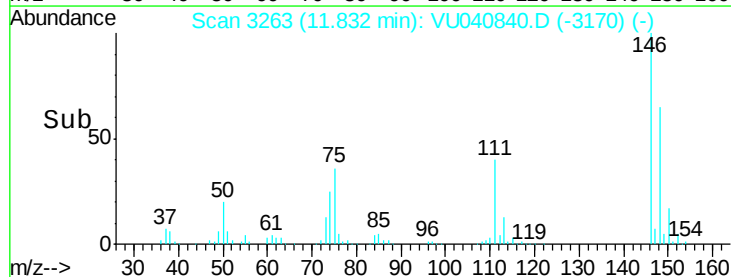
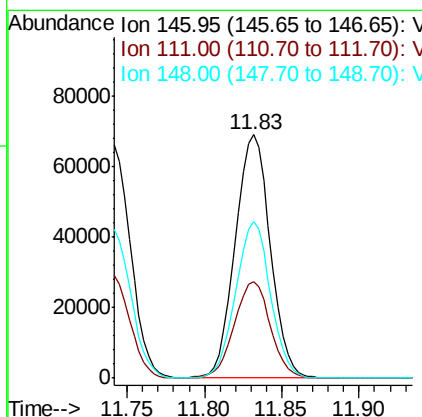
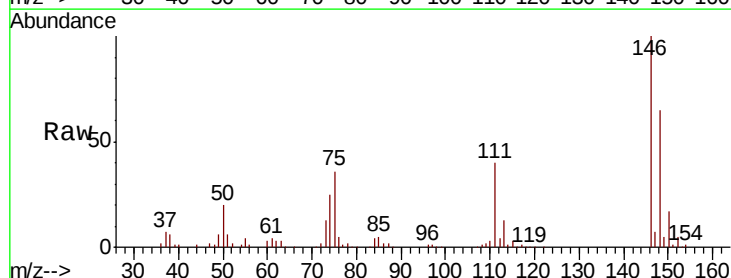
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

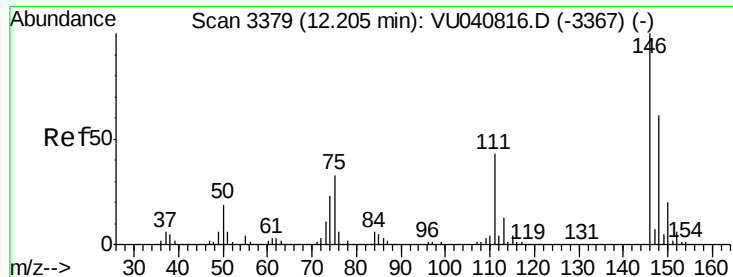
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	28.8	53.6
148	63.8	44.4	82.4



#63
 1,4-Dichlorobenzene
 Concen: 4.570 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	28.4	52.8
148	64.6	44.0	81.6

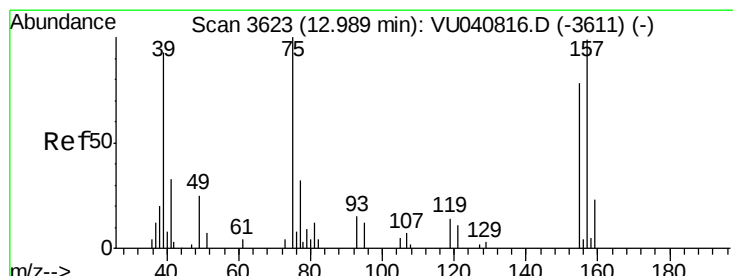
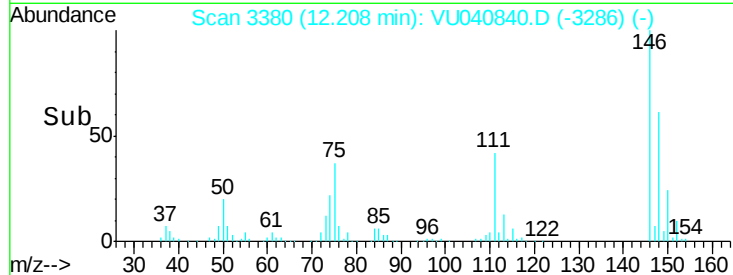
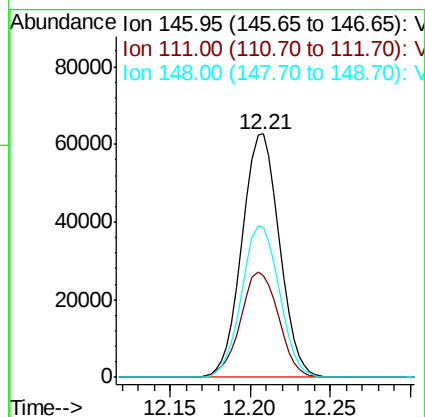
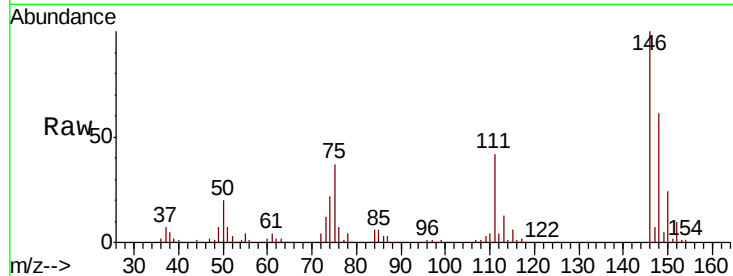




#65
 1,2-Dichlorobenzene
 Concen: 4.441 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

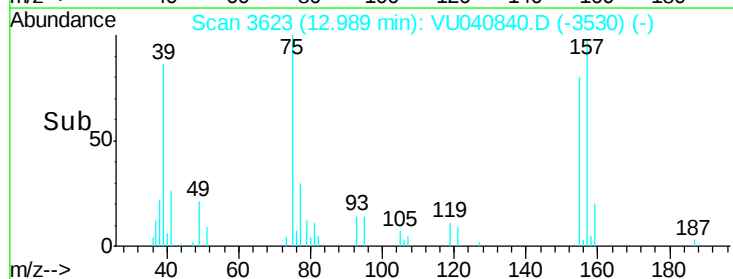
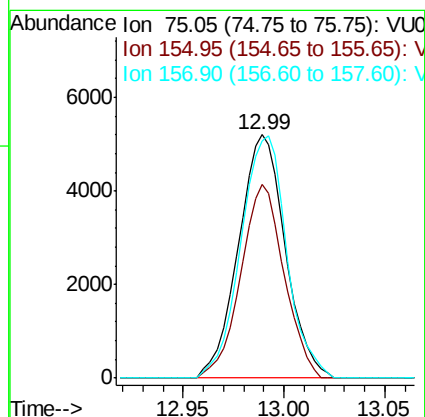
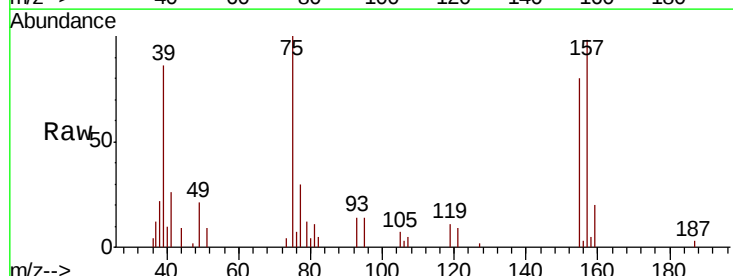
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

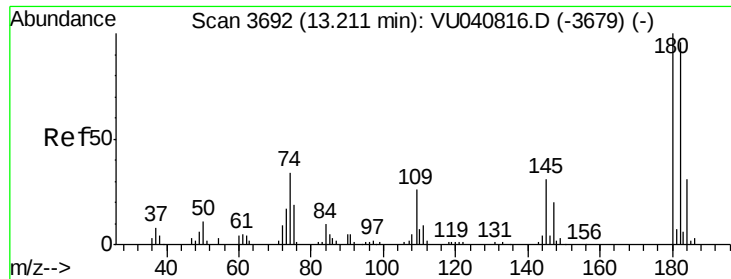
Tot Ion:146 Resp: 100120
 Ion Ratio Lower Upper
 146 100
 111 41.8 34.4 51.6
 148 61.5 50.0 75.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.278 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion: 75 Resp: 8445
 Ion Ratio Lower Upper
 75 100
 155 79.6 53.8 80.6
 157 97.6 74.6 112.0

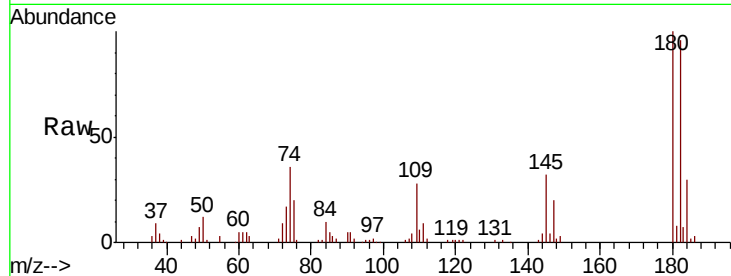




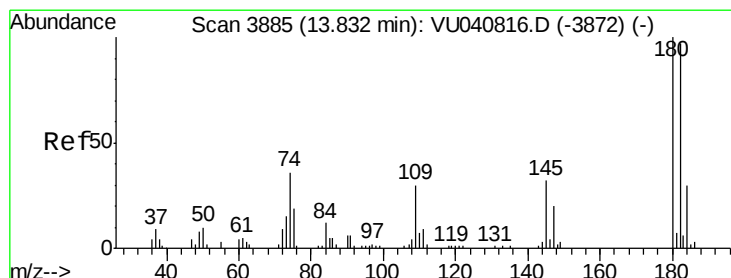
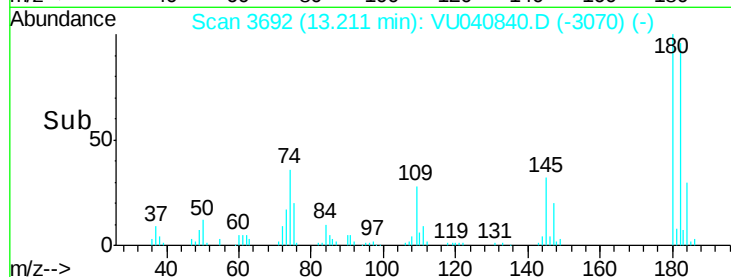
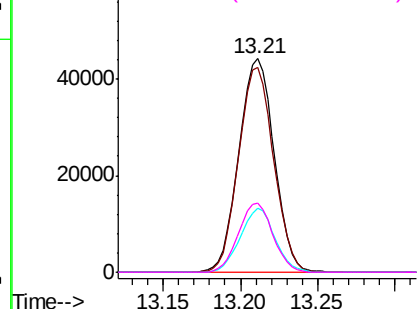
#67
 1,3,5-Trichlorobenzene
 Concen: 4.285 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:180 Resp: 70121
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.4
 184 29.4 24.5 36.7
 145 31.5 25.9 38.9

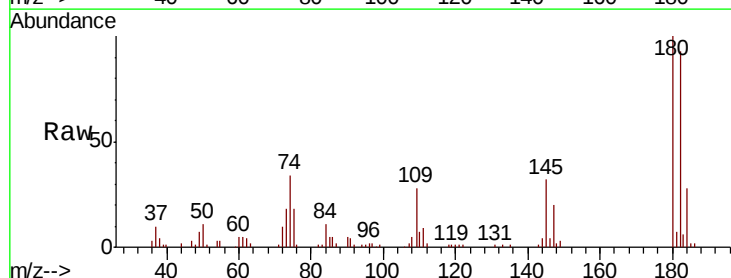


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

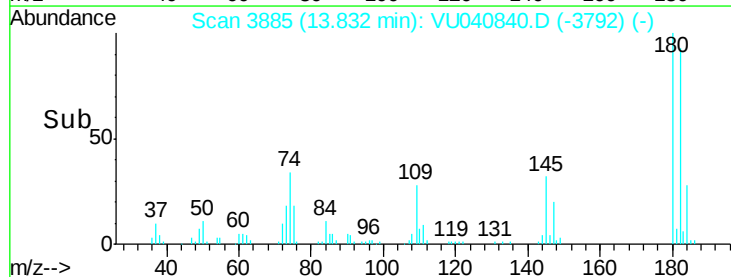
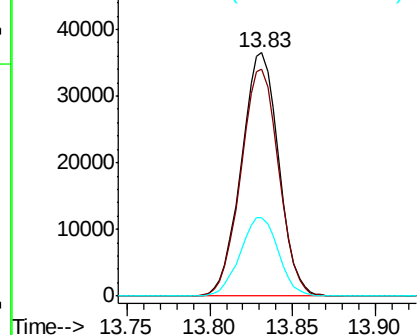


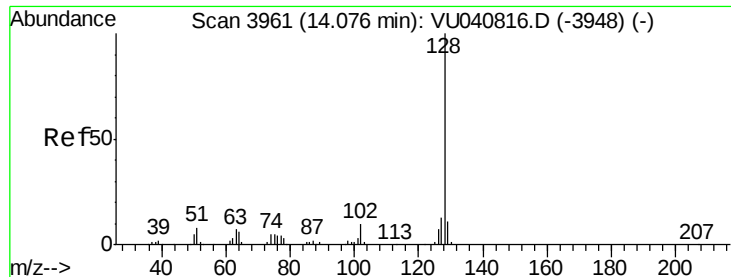
#68
 1,2,4-trichlorobenzene
 Concen: 4.531 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040840.D
 Acq: 20 Oct 2020 11:23

Tgt Ion:180 Resp: 57282
 Ion Ratio Lower Upper
 180 100
 182 94.3 78.8 118.2
 145 33.1 26.1 39.1



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





#69

Naphthalene

Concen: 4.557 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

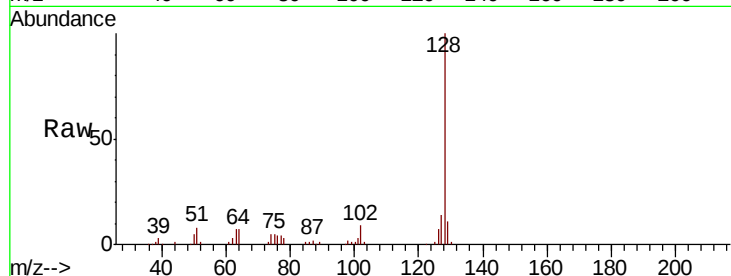
Tot Ion:128 Resp: 94252

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

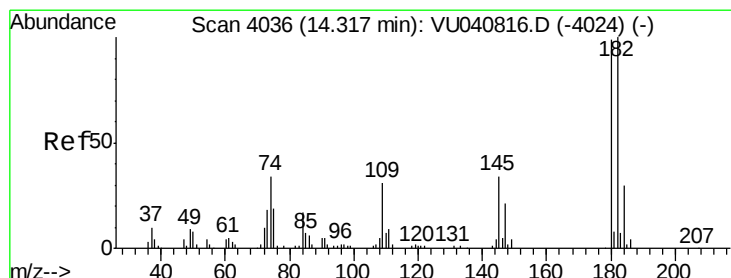
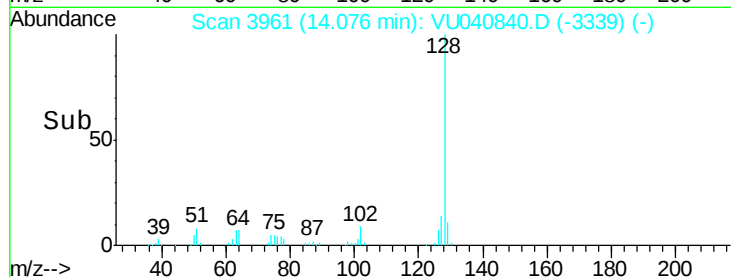
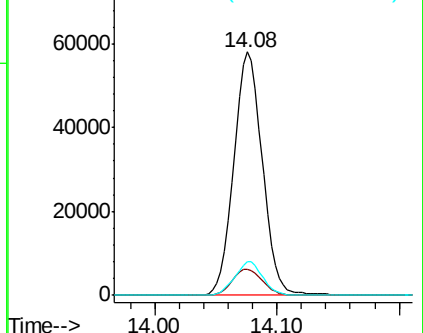
127 13.5 10.2 15.4



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: 4.629 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040840.D

Acq: 20 Oct 2020 11:23

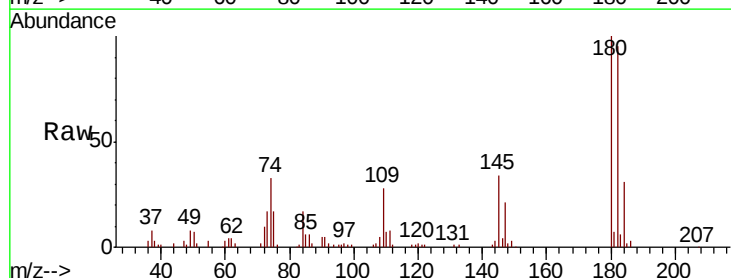
Tgt Ion:180 Resp: 54346

Ion Ratio Lower Upper

180 100

182 94.6 75.8 113.8

145 34.3 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

