

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040838.D
 Acq On : 20 Oct 2020 05:15
 Operator : SY/MD
 Sample : VSTDCCC005E
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Quant Time: Oct 20 07:18:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126209	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	128549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65644	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48954	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.93	69	42304	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.00%
11) 1,1-Dichloroethene-d2	2.58	63	104193	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.66	46	173885	51.96	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.92%
24) Chloroform-d	5.08	84	100709	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.72	65	58651	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.00%
32) Benzene-d6	5.74	84	182098	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	59596	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.90	98	164634	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
43) trans-1,3-Dichloropropene-	8.19	79	23321	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.64	63	129096	51.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53168	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	61778	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	51543	4.507 ug/L	99
3) Chloromethane	1.53	50	41740	3.903 ug/L	98
5) Vinyl chloride	1.61	62	49642	4.408 ug/L #	61
6) Bromomethane	1.87	94	15334	2.507 ug/L	94
8) Chloroethane	1.94	64	34524	4.815 ug/L	86
9) Trichlorofluoromethane	2.15	101	79251	4.901 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50757	4.835 ug/L	98
12) 1,1-Dichloroethene	2.59	96	45158	5.015 ug/L	93
13) Acetone	2.67	43	124387	47.951 ug/L	97
14) Carbon disulfide	2.81	76	105896	4.201 ug/L	99
15) Methyl Acetate	2.97	43	29931	5.053 ug/L #	77
16) Methylene chloride	3.06	84	53422	4.620 ug/L	99
17) Methyl tert-butyl Ether	3.38	73	130440	5.123 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	45198	4.795 ug/L	98
19) 1,1-Dichloroethane	3.89	63	101521	5.208 ug/L	99
21) 2-Butanone	4.74	43	206856	51.148 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	53494	5.262 ug/L	94

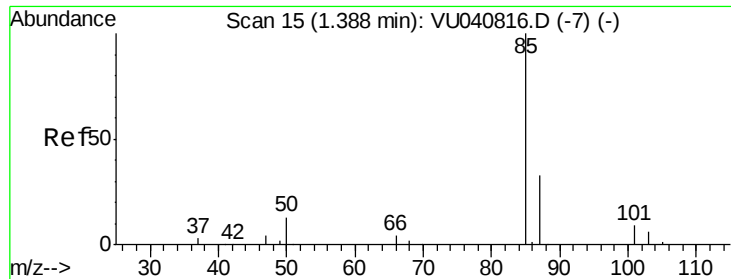
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	25337	5.017	ug/L	96
25) Chloroform	5.11	83	106451	5.348	ug/L	96
27) 1,2-Dichloroethane	5.81	62	74461	5.285	ug/L	99
29) 1,1,1-Trichloroethane	5.33	97	87762	5.080	ug/L	99
30) Cyclohexane	5.40	56	70686	4.441	ug/L	100
31) Carbon tetrachloride	5.54	117	75492	5.107	ug/L	99
33) Benzene	5.79	78	210110	5.087	ug/L	100
34) Trichloroethene	6.56	95	52444	4.899	ug/L	95
35) Methylcyclohexane	6.78	83	64924	4.277	ug/L	99
37) 1,2-Dichloropropane	6.80	63	59261	5.150	ug/L	99
38) Bromodichloromethane	7.11	83	78591	5.343	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	74553	4.742	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	483324	52.684	ug/L	99
42) Toluene	7.98	91	218059	5.182	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	70007	4.837	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	44712	5.188	ug/L	99
47) Tetrachloroethene	8.56	164	36610	4.793	ug/L	94
48) 2-Hexanone	8.69	43	370273	54.211	ug/L	100
49) Dibromochloromethane	8.81	129	53120	5.357	ug/L	99
50) 1,2-Dibromoethane	8.93	107	40501	4.954	ug/L	98
51) Chlorobenzene	9.45	112	140978	5.086	ug/L	97
52) Ethylbenzene	9.57	91	226820	4.980	ug/L	99
53) m,p-Xylene	9.69	106	85875	5.173	ug/L	99
54) o-Xylene	10.10	106	82412	5.162	ug/L	93
55) Styrene	10.11	104	148512	5.357	ug/L	98
56) Isopropylbenzene	10.48	105	220827	5.138	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	60943	5.386	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	43555	5.153	ug/L	97
61) Bromoform	10.29	173	30222	5.371	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	112124	5.219	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	115250	5.202	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	110274	5.250	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9413	5.118	ug/L	97
67) 1,3,5-Trichlorobenzene	13.21	180	75403	4.946	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	61684	5.237	ug/L	98
69) Naphthalene	14.08	128	111841	5.805	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	61415	5.615	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.507 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

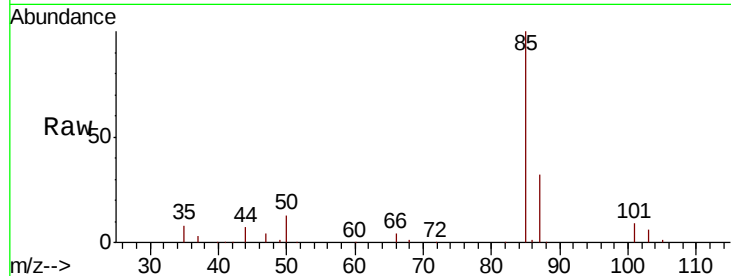
VSTD00519

Tot Ion: 85 Resp: 51543

Ion Ratio Lower Upper

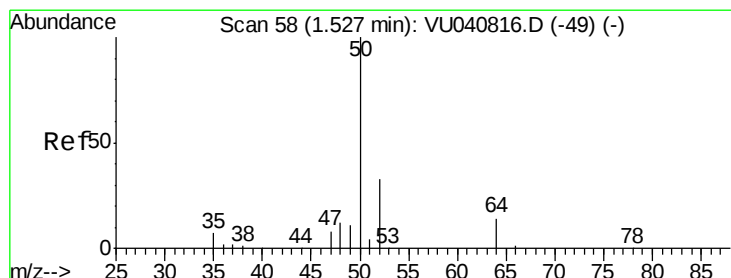
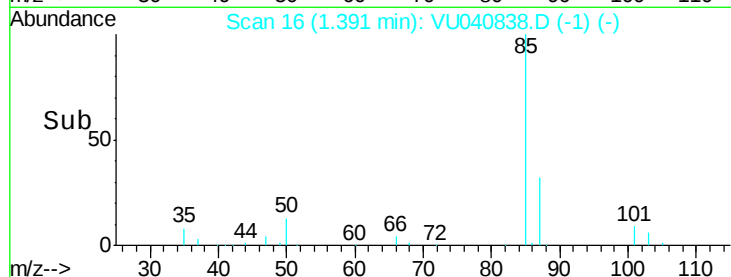
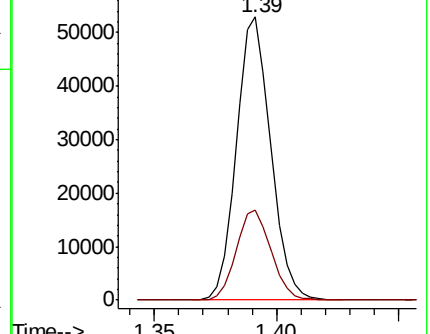
85 100

87 32.3 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: 3.903 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040838.D

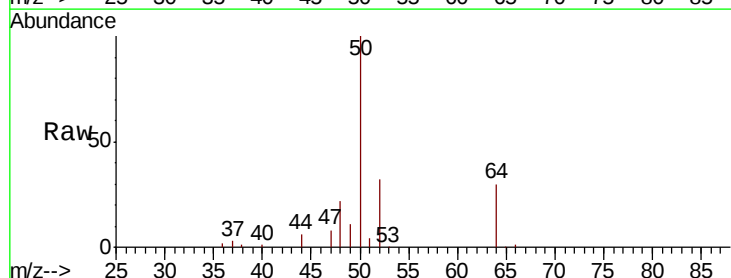
Acq: 20 Oct 2020 05:15

Tgt Ion: 50 Resp: 41740

Ion Ratio Lower Upper

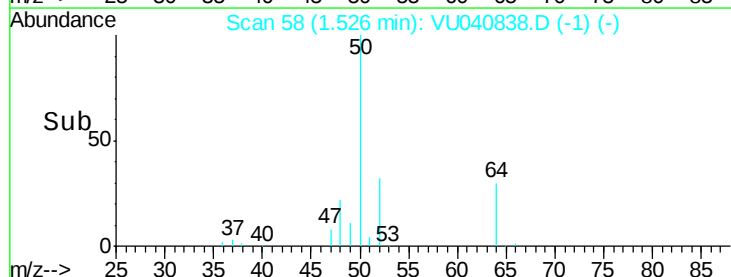
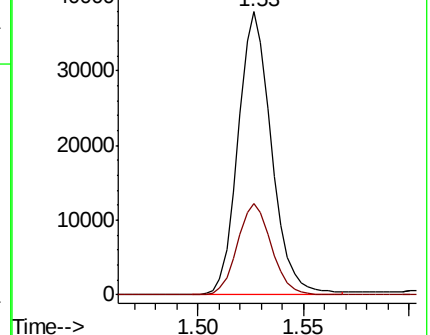
50 100

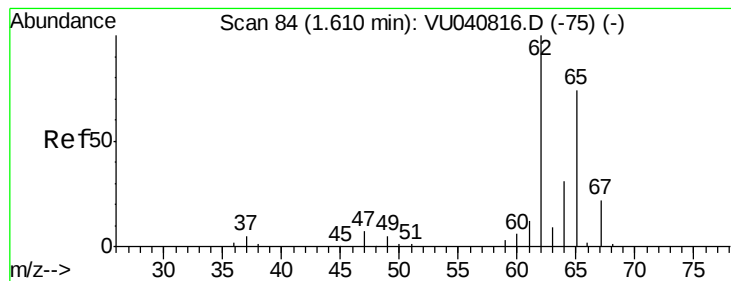
52 32.3 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.408 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

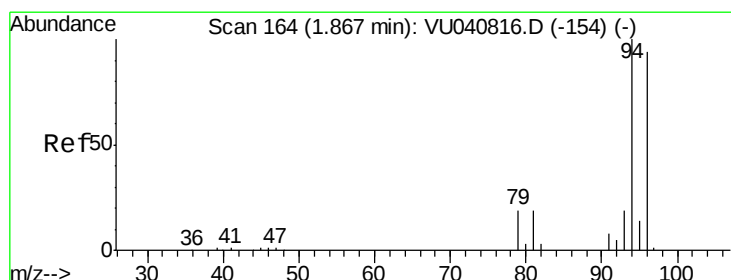
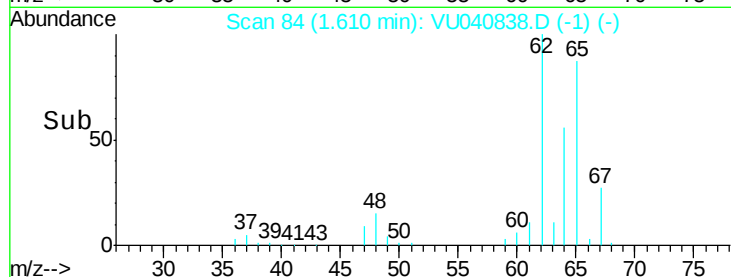
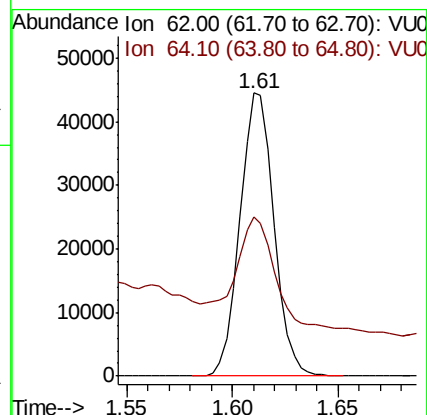
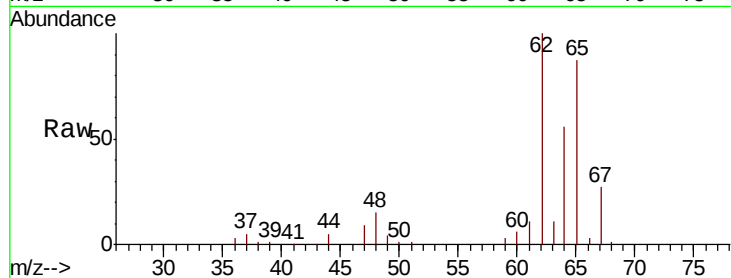
VSTD00519

Tot Ion: 62 Resp: 49642

Ion Ratio Lower Upper

62 100

64 56.4 23.7 44.1#



#6

Bromomethane

Concen: 2.507 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040838.D

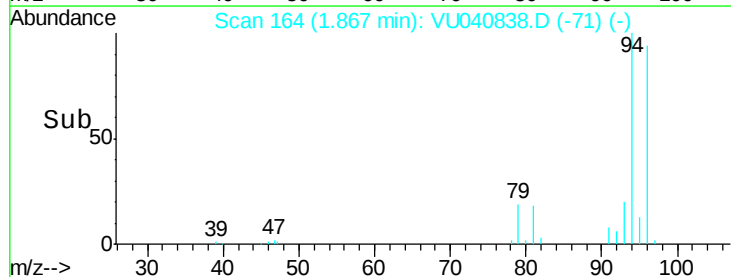
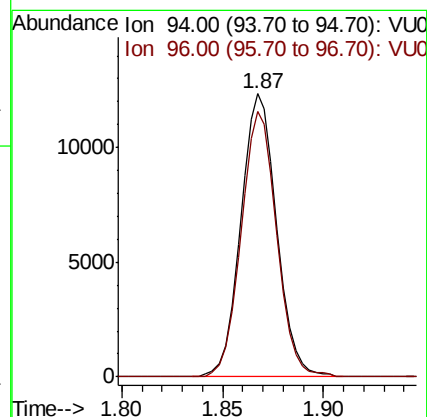
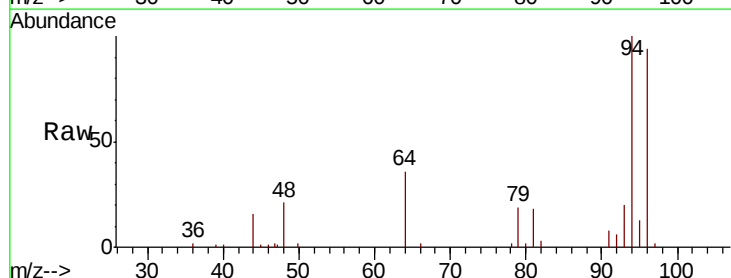
Acq: 20 Oct 2020 05:15

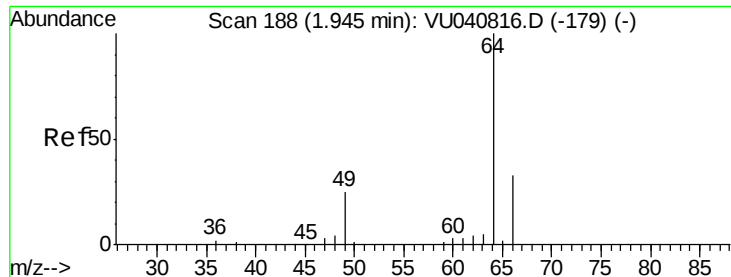
Tgt Ion: 94 Resp: 15334

Ion Ratio Lower Upper

94 100

96 94.0 62.1 115.3





#8

Chloroethane

Concen: 4.815 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

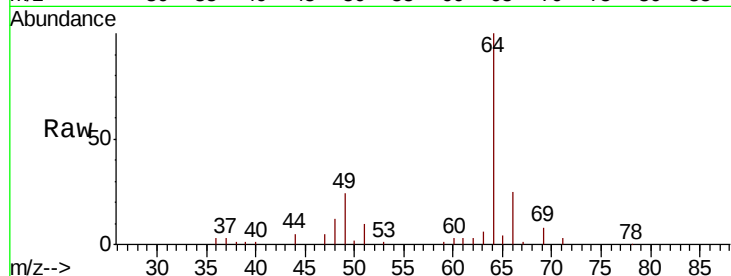
VSTD00519

Tot Ion: 64 Resp: 34524

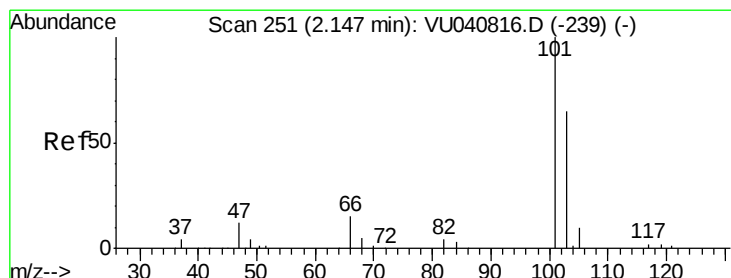
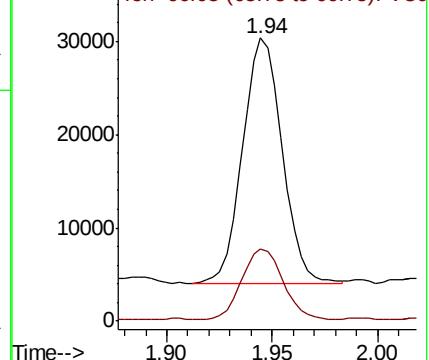
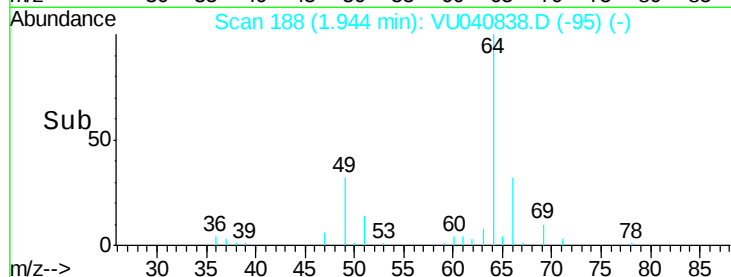
Ion Ratio Lower Upper

64 100

66 25.5 23.3 43.3



Abundance Ion 64.10 (63.80 to 64.80): VU040838.D (-95) (-)



#9

Trichlorofluoromethane

Concen: 4.901 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040838.D

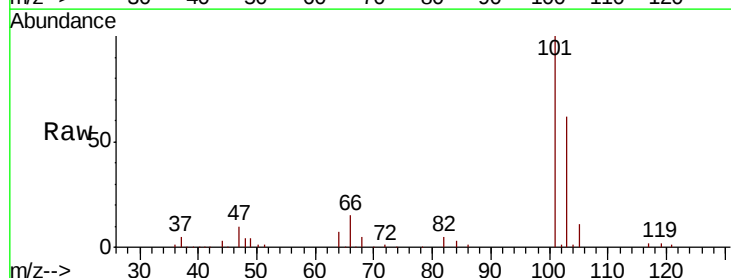
Acq: 20 Oct 2020 05:15

Tgt Ion: 101 Resp: 79251

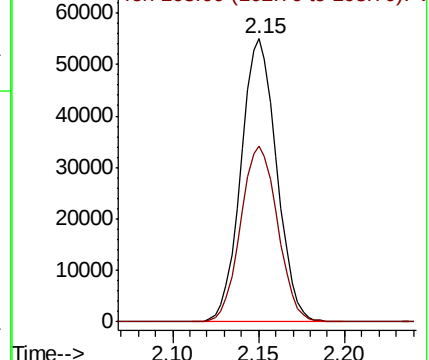
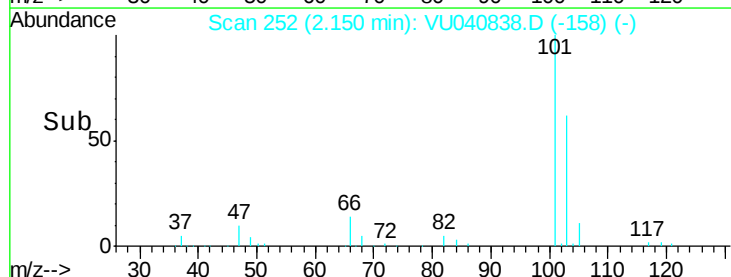
Ion Ratio Lower Upper

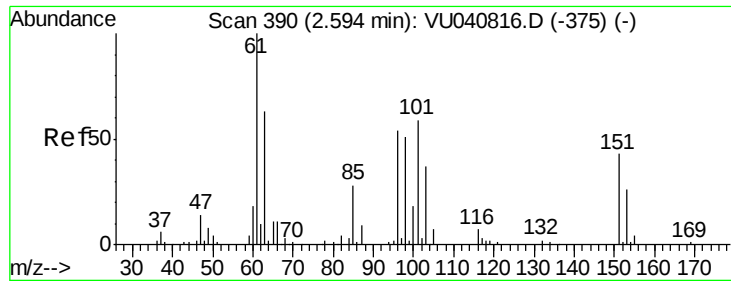
101 100

103 64.5 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU040838.D (-158) (-)





#10

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

Concen: 4.835 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

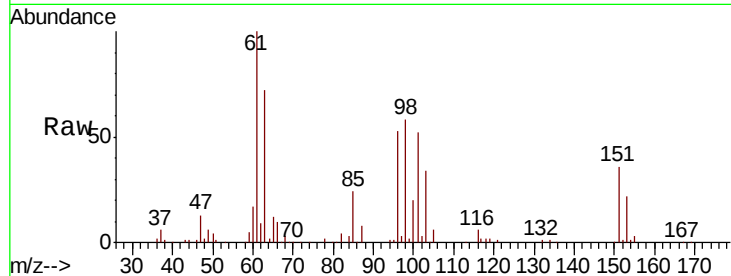
Tot Ion:101 Resp: 50757

Ion Ratio Lower Upper

101 100

85 44.6 36.7 55.1

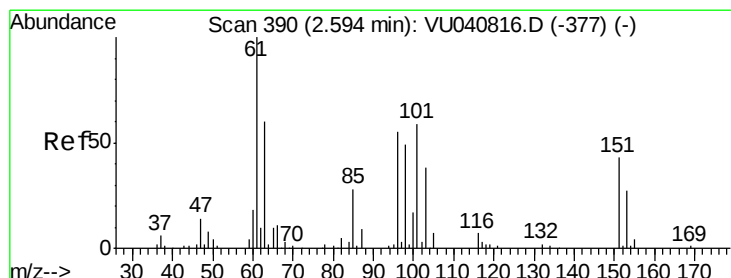
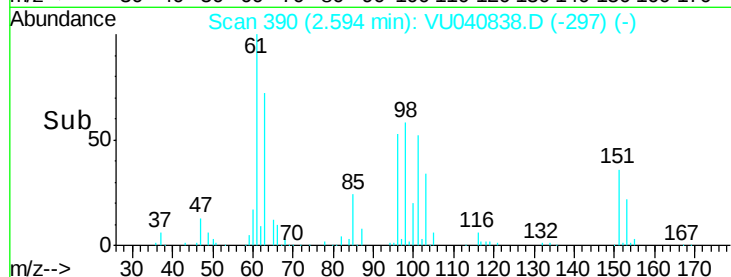
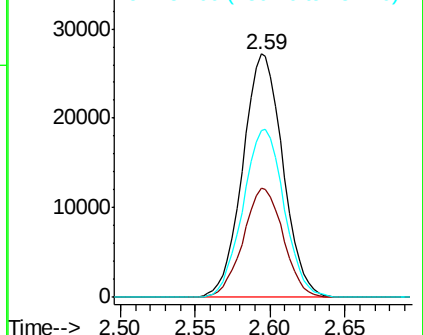
151 70.6 58.0 87.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.015 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

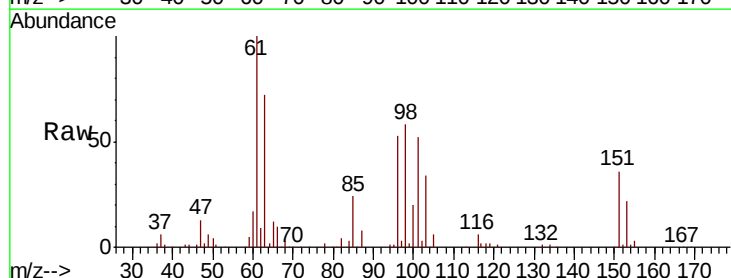
Tgt Ion: 96 Resp: 45158

Ion Ratio Lower Upper

96 100

61 187.7 128.8 239.2

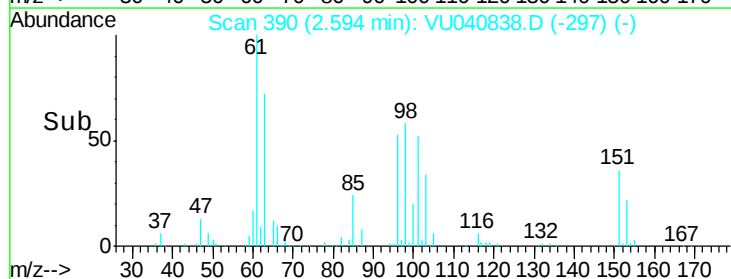
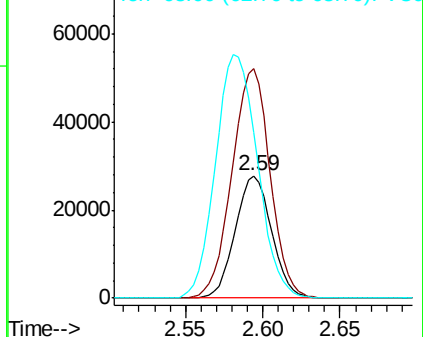
63 135.9 84.6 157.2

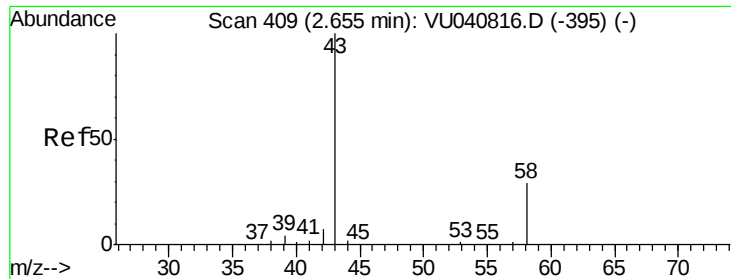


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.951 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.01 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

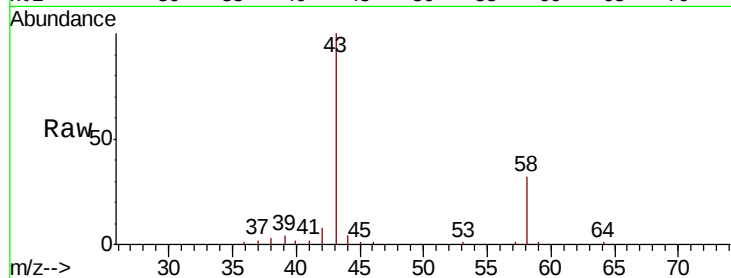
VSTD00519

Tot Ion: 43 Resp: 124387

Ion Ratio Lower Upper

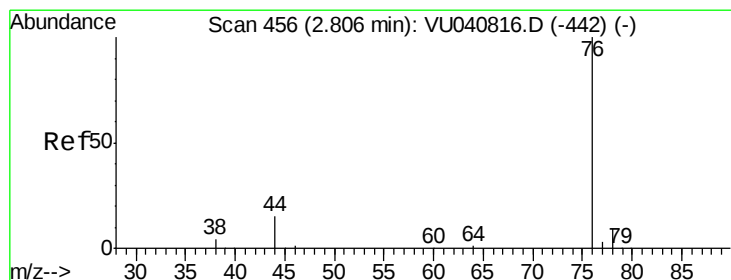
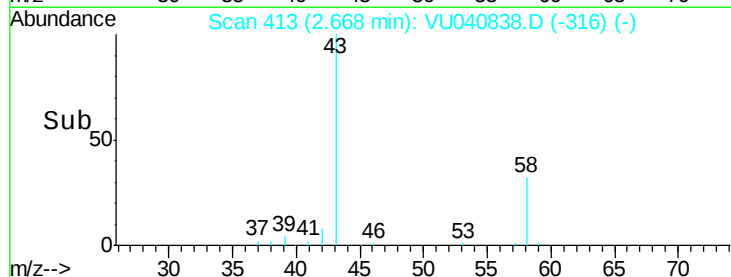
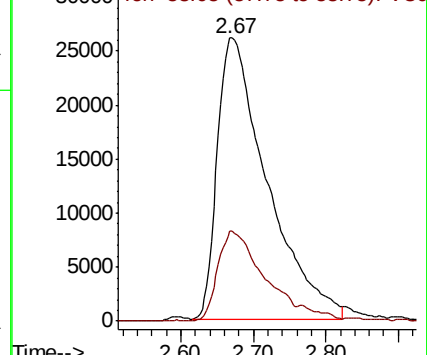
43 100

58 28.6 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040838.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040838.D (-316) (-)



#14

Carbon disulfide

Concen: 4.201 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040838.D

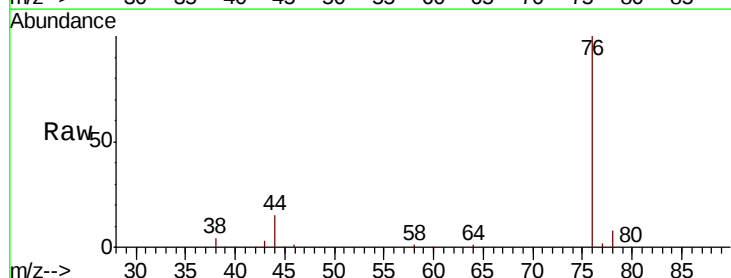
Acq: 20 Oct 2020 05:15

Tgt Ion: 76 Resp: 105896

Ion Ratio Lower Upper

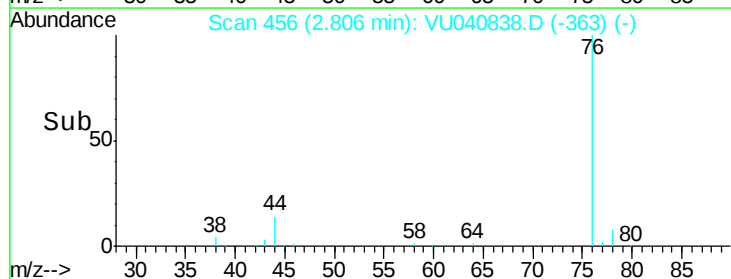
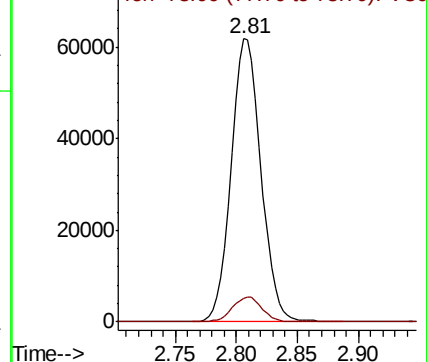
76 100

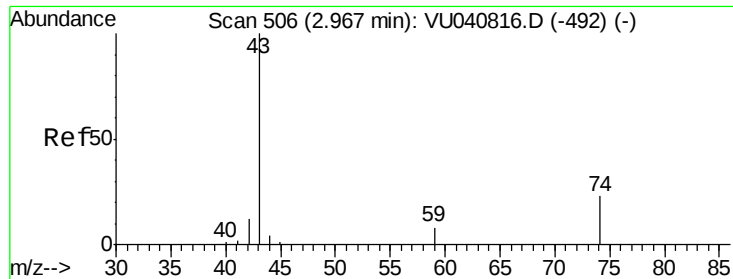
78 8.3 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU040838.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040838.D (-363) (-)

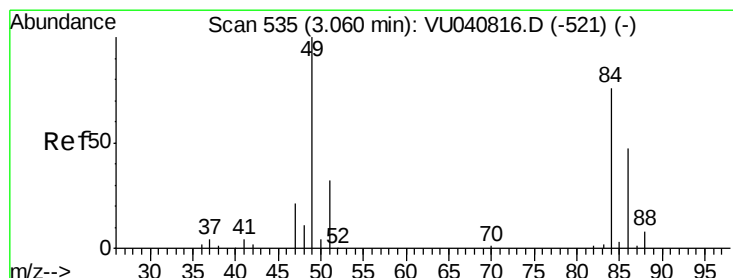
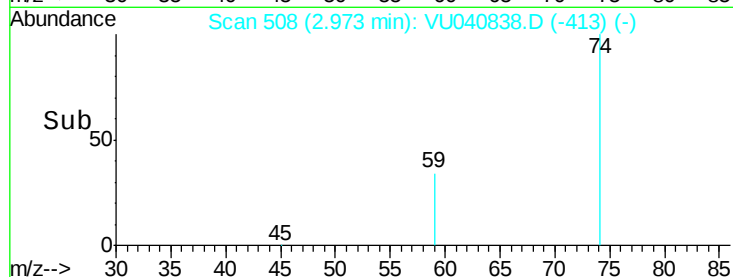
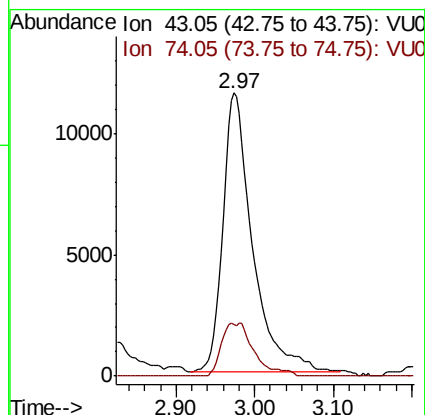
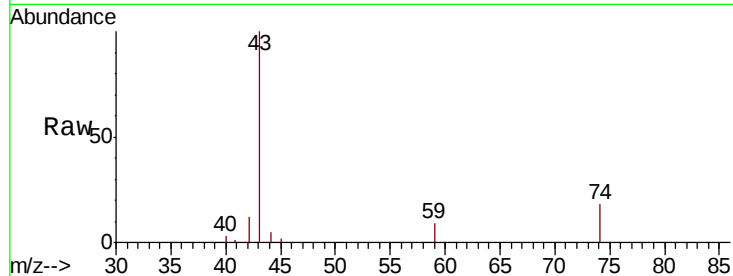




#15
Methvl Acetate
Concen: 5.053 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

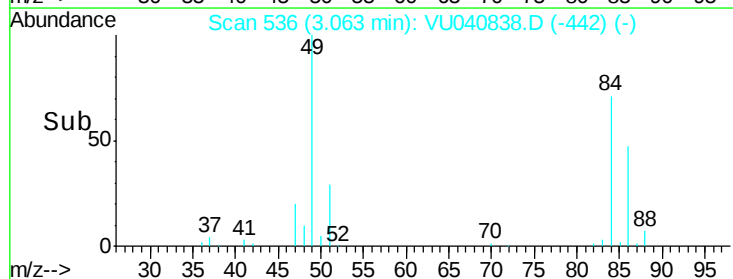
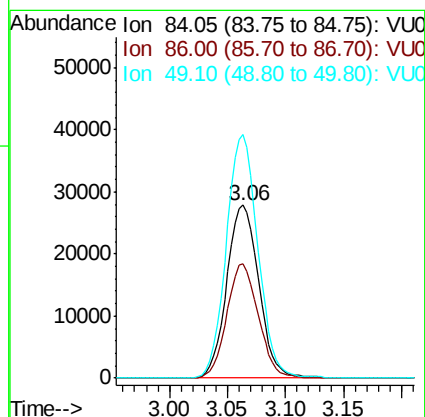
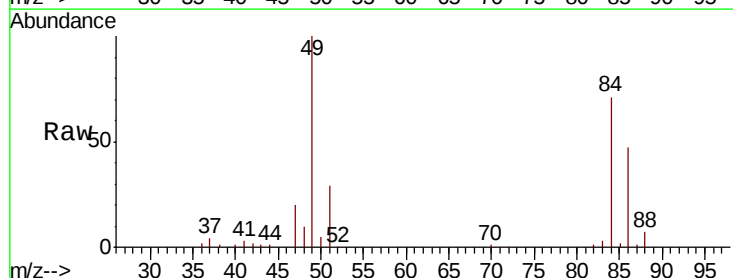
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

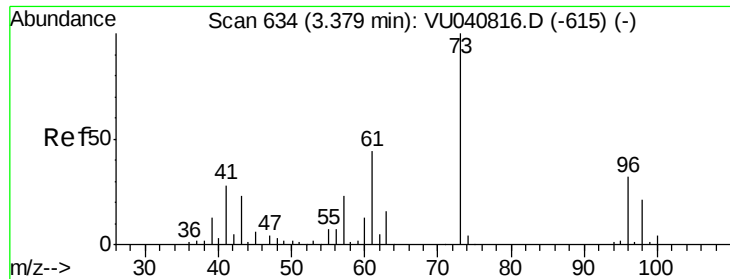
Tot Ion: 43 Resp: 29931
Ion Ratio Lower Upper
43 100
74 9.9 16.5 24.7#



#16
Methylene chloride
Concen: 4.620 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 84 Resp: 53422
Ion Ratio Lower Upper
84 100
86 66.4 45.4 84.4
49 141.1 99.8 185.3

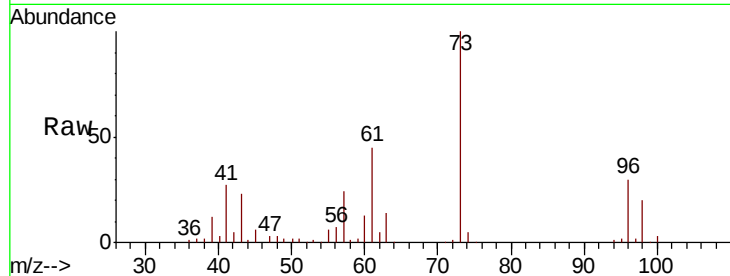




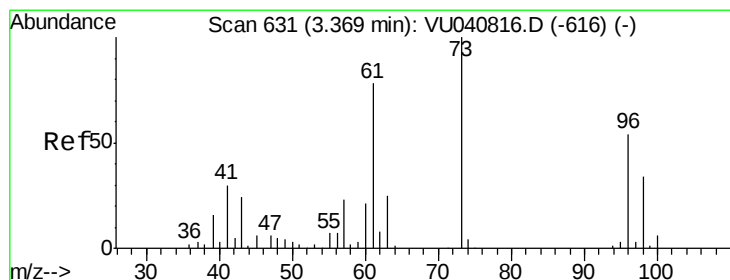
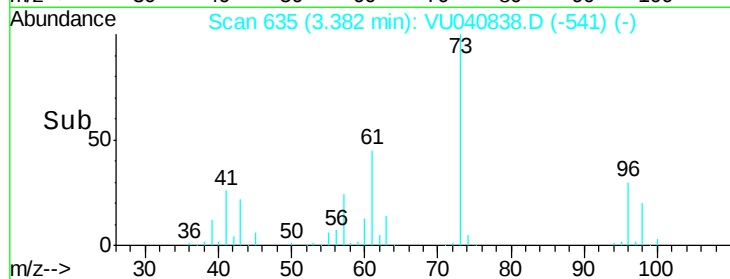
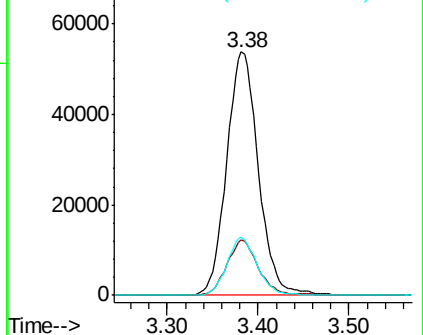
#17
Methvl tert-butvl Ether
Concen: 5.123 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 73 Resp: 130440
Ion Ratio Lower Upper
73 100
43 22.6 18.2 27.4
57 22.7 18.6 28.0

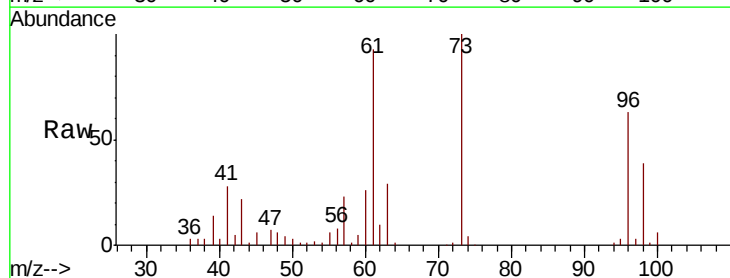


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

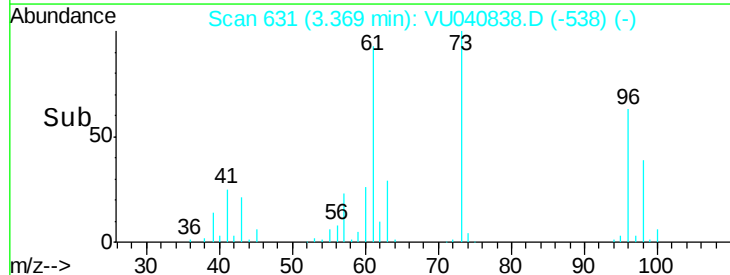
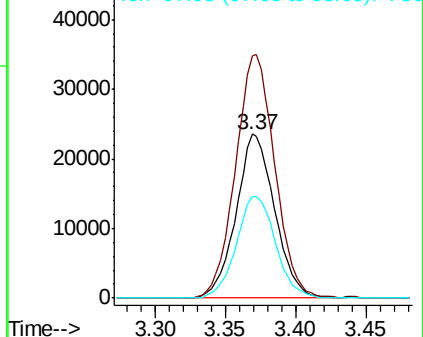


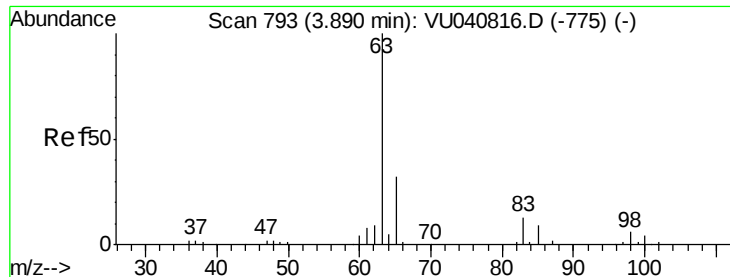
#18
trans-1,2-Dichloroethene
Concen: 4.795 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 96 Resp: 45198
Ion Ratio Lower Upper
96 100
61 147.8 105.9 196.7
98 61.6 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

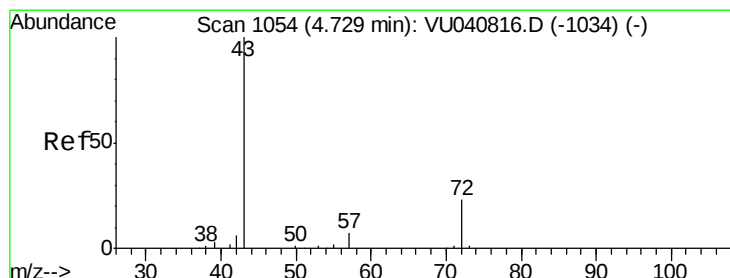
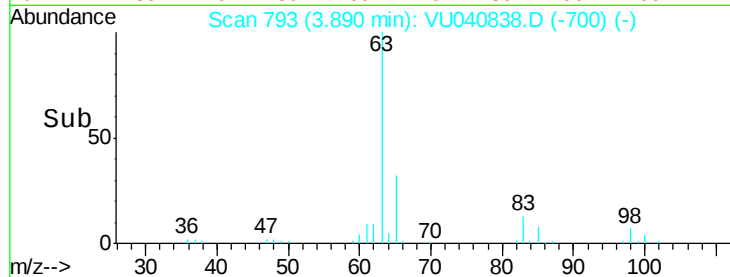
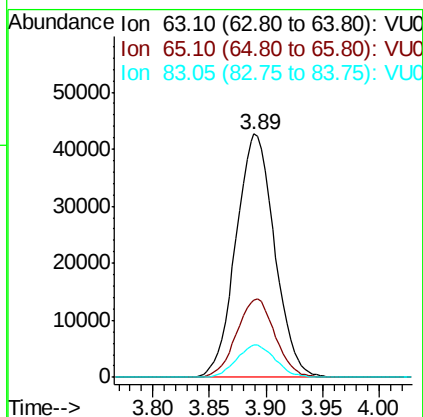
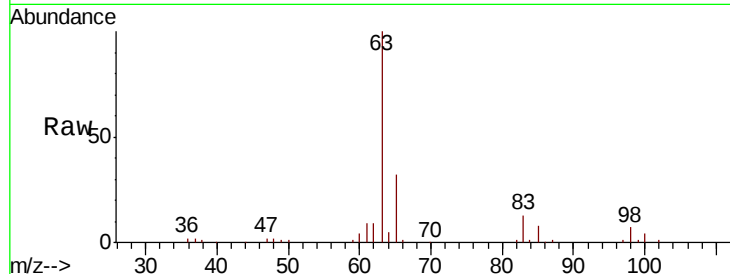




#19
 1,1-Dichloroethane
 Concen: 5.208 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

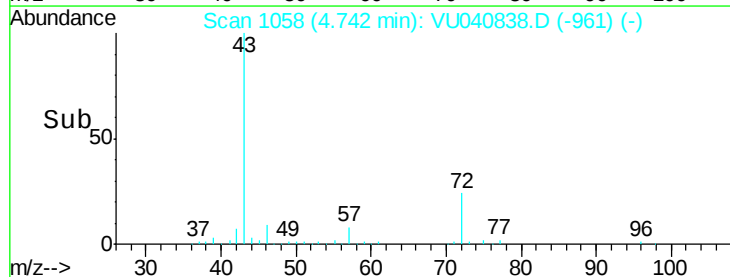
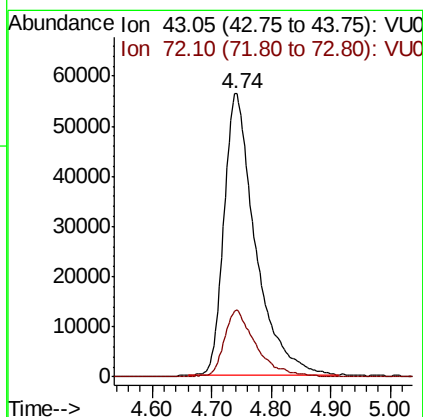
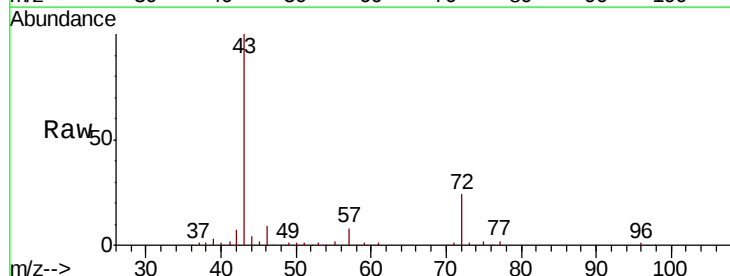
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

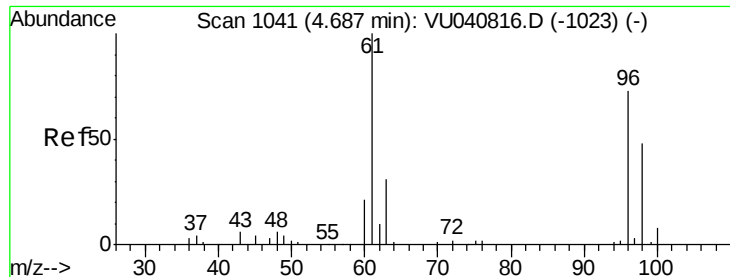
Tot Ion: 63 Resp: 101521
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.9 40.7
 83 13.2 9.6 17.8



#21
 2-Butanone
 Concen: 51.148 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion: 43 Resp: 206856
 Ion Ratio Lower Upper
 43 100
 72 24.1 11.4 34.2





#22

cis-1,2-Dichloroethene

Concen: 5.262 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

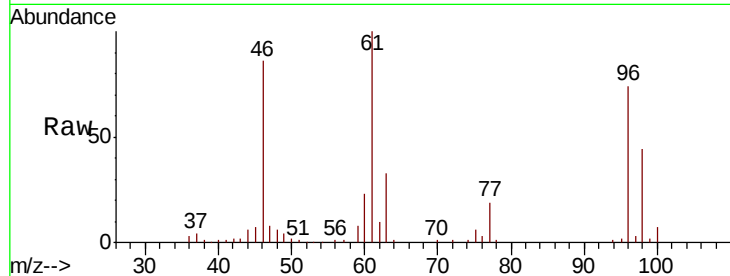
Tot Ion: 96 Resp: 53494

Ion Ratio Lower Upper

96 100

61 135.4 99.8 185.4

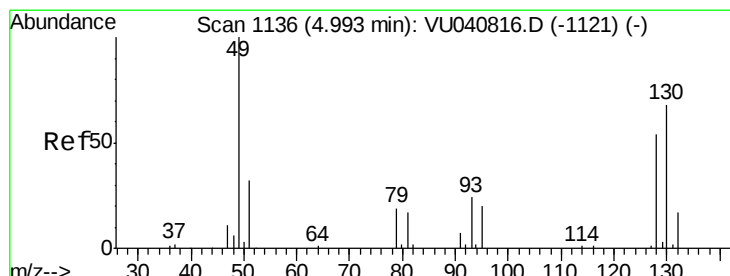
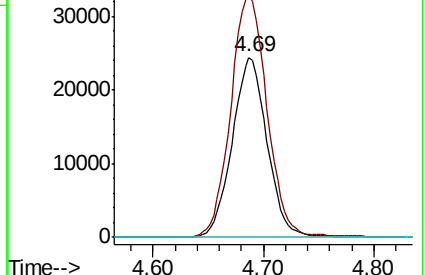
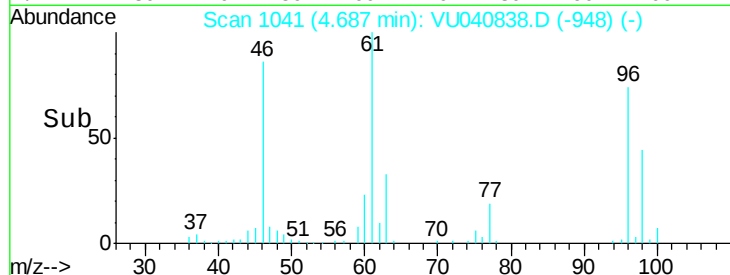
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040838.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU040838.D (-948) (-)

Ion 68.15 (67.85 to 68.85): VU040838.D (-948) (-)



#23

Bromochloromethane

Concen: 5.017 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Tgt Ion:128 Resp: 25337

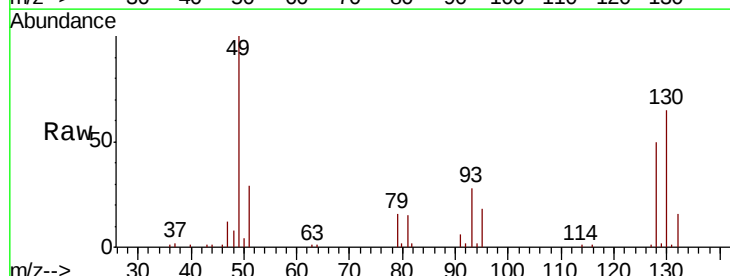
Ion Ratio Lower Upper

128 100

49 198.2 132.2 245.4

130 128.8 89.2 165.8

51 57.3 45.3 67.9

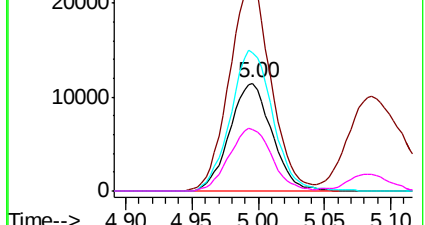
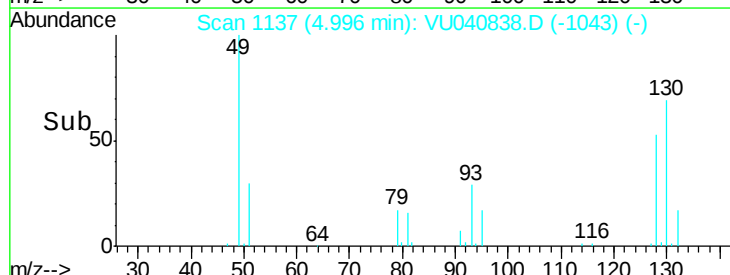


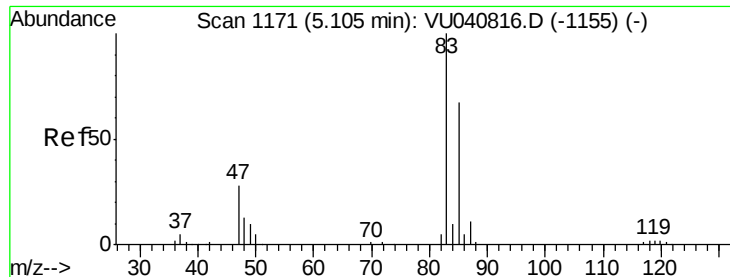
Abundance Ion 127.90 (127.60 to 128.60): VU040838.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040838.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040838.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040838.D (-1043) (-)

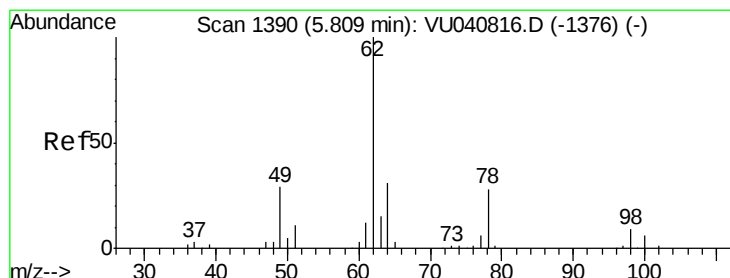
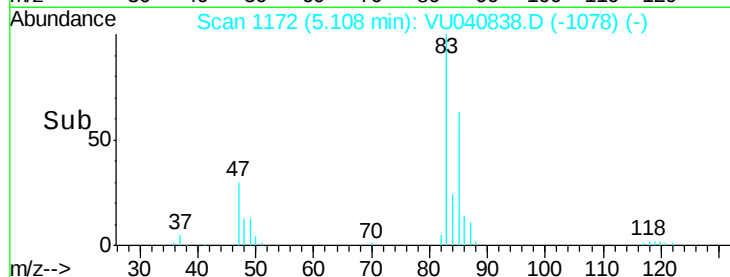
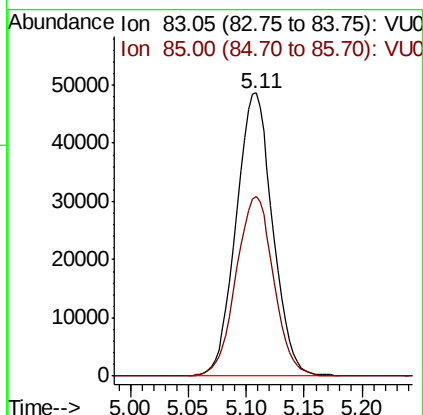
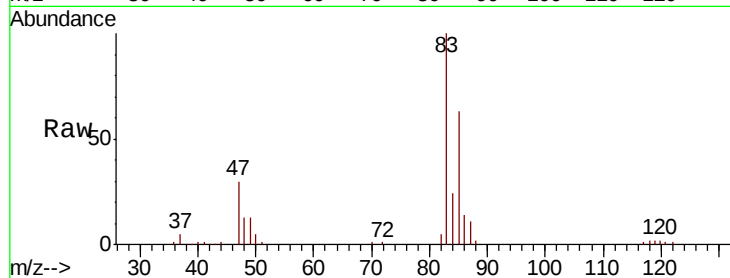




#25
Chloroform
Concen: 5.348 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

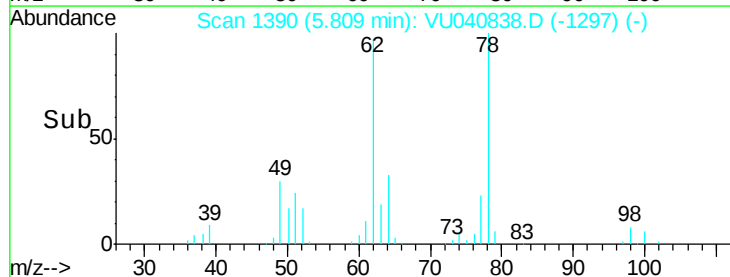
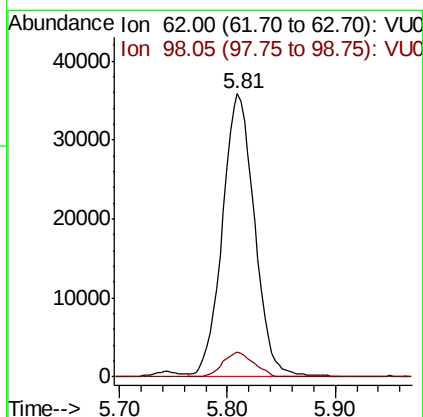
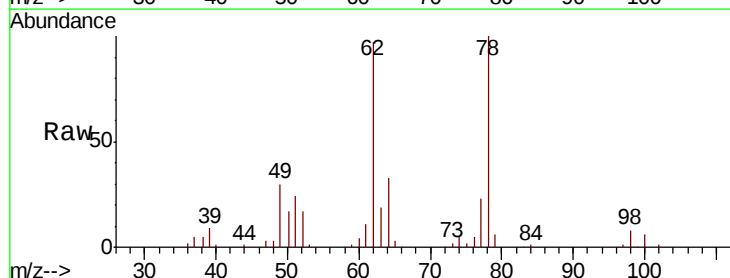
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

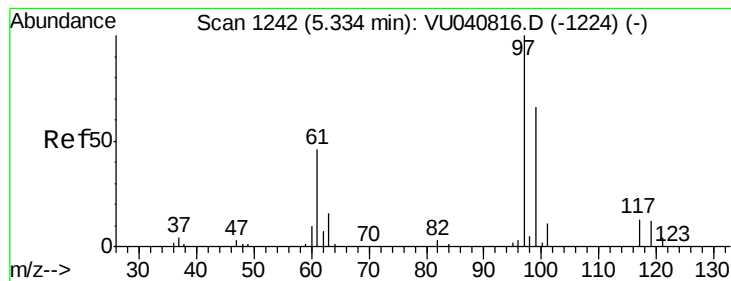
Tot Ion: 83 Resp: 106451
Ion Ratio Lower Upper
83 100
85 63.4 46.5 86.5



#27
1,2-Dichloroethane
Concen: 5.285 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 62 Resp: 74461
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.080 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

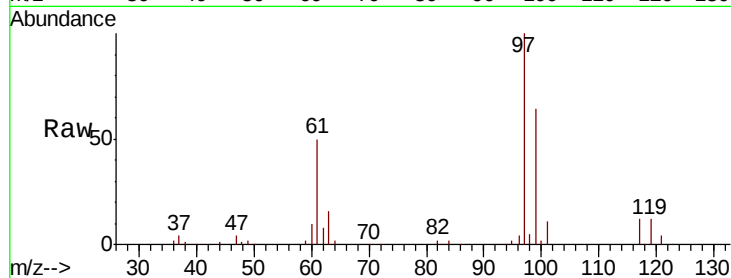
Tot Ion: 97 Resp: 87762

Ion Ratio Lower Upper

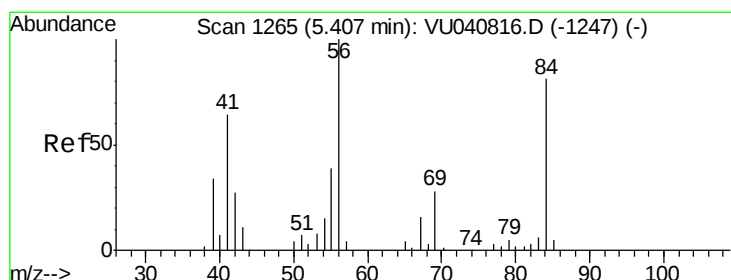
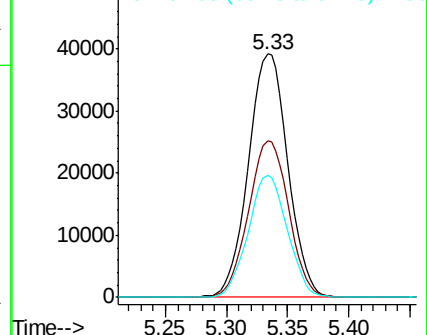
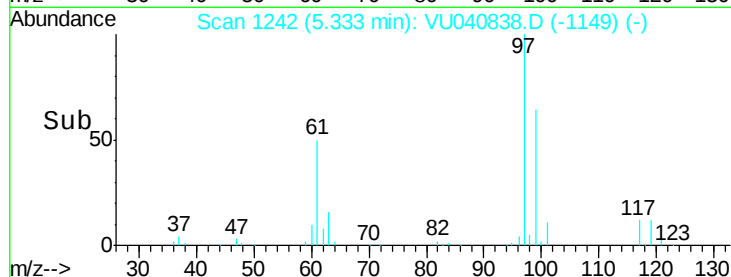
97 100

99 65.3 51.3 76.9

61 49.7 39.4 59.2



Abundance Ion 96.95 (96.65 to 97.65): VU040838.D (-1149) (-)



#30

Cyclohexane

Concen: 4.441 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

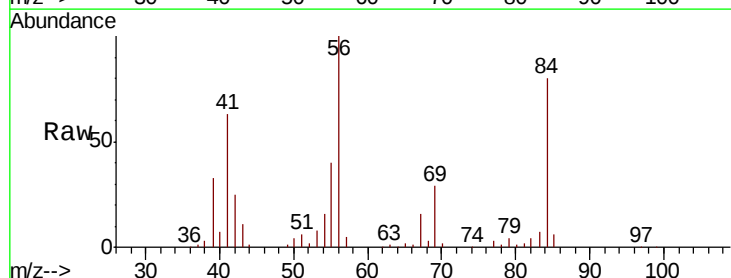
Tgt Ion: 56 Resp: 70686

Ion Ratio Lower Upper

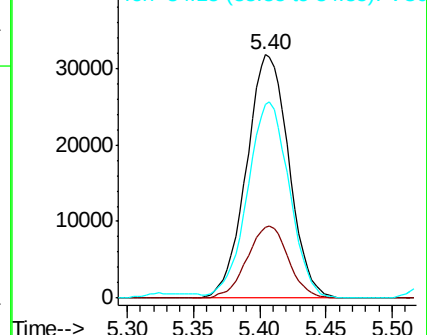
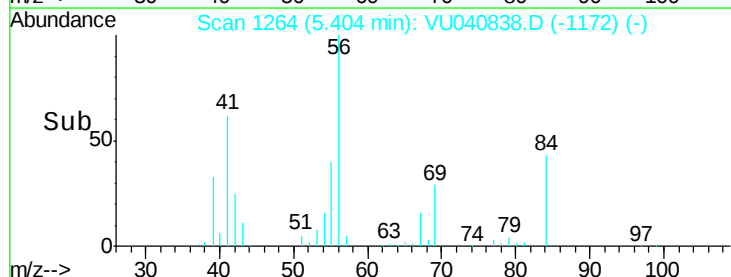
56 100

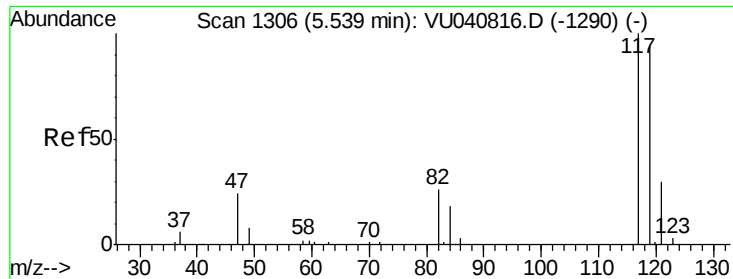
69 28.9 23.8 35.8

84 79.9 64.0 96.0



Abundance Ion 56.10 (55.80 to 56.80): VU040838.D (-1172) (-)

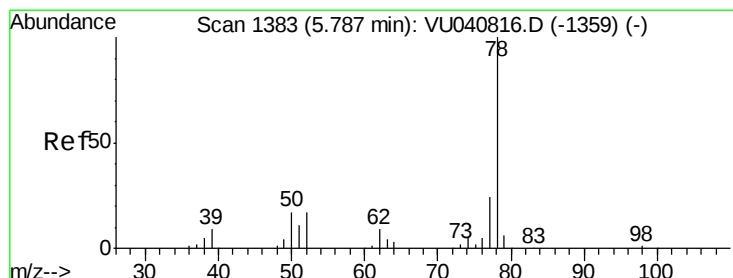
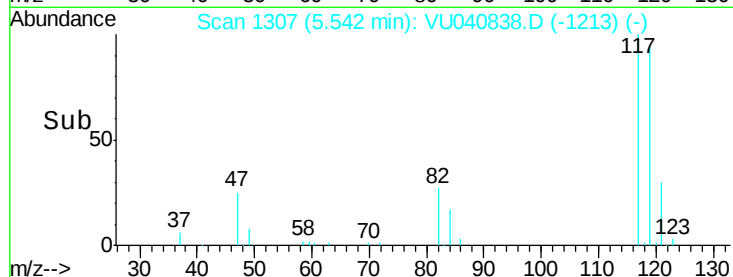
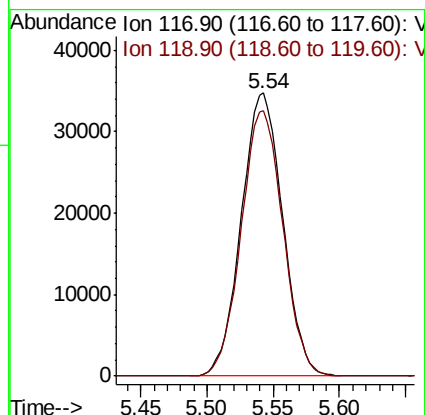
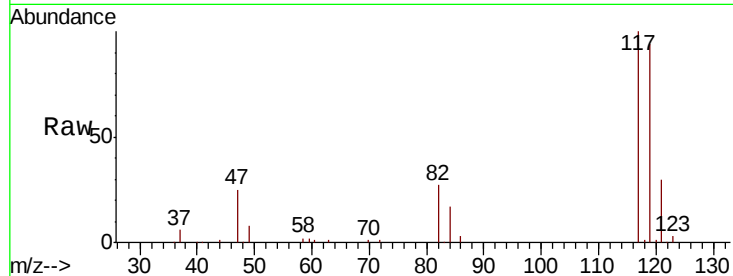




#31
Carbon tetrachloride
Concen: 5.107 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

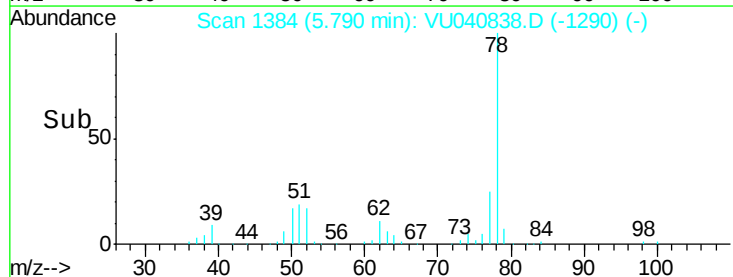
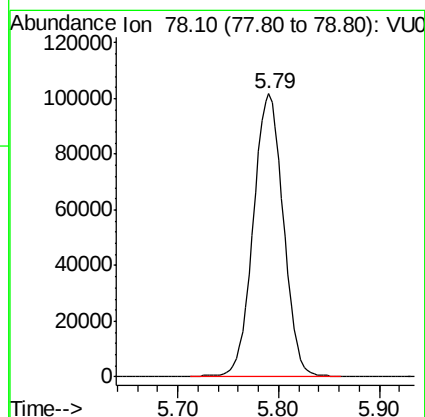
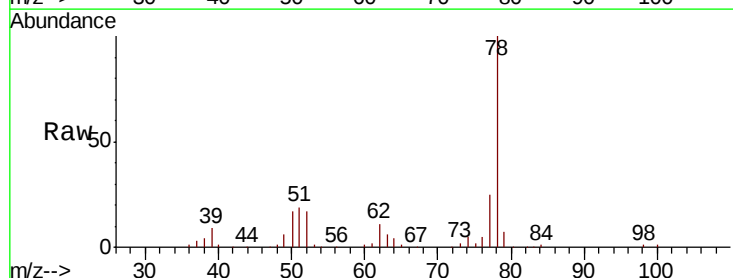
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

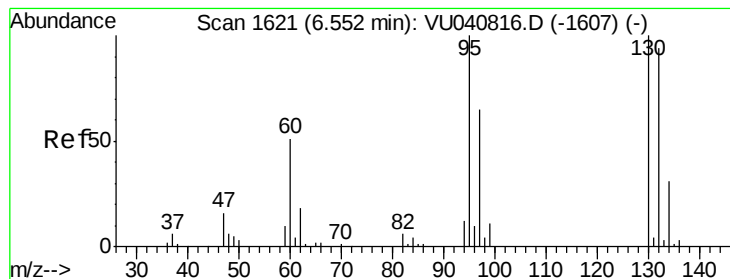
Tot Ion:117 Resp: 75492
Ion Ratio Lower Upper
117 100
119 94.6 76.2 114.2



#33
Benzene
Concen: 5.087 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 78 Resp: 210110





#34

Trichloroethene

Concen: 4.899 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

Tot Ion: 95 Resp: 52444

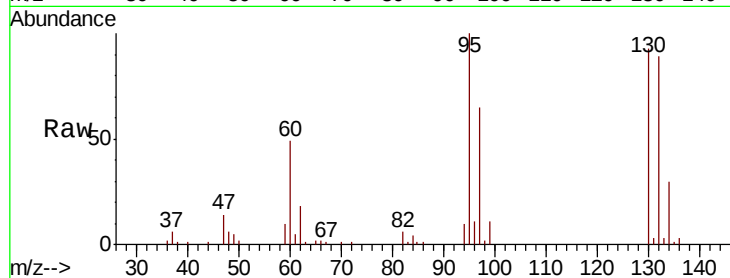
Ion Ratio Lower Upper

95 100

97 64.8 45.5 84.5

132 89.3 67.5 125.4

130 93.5 69.9 129.9

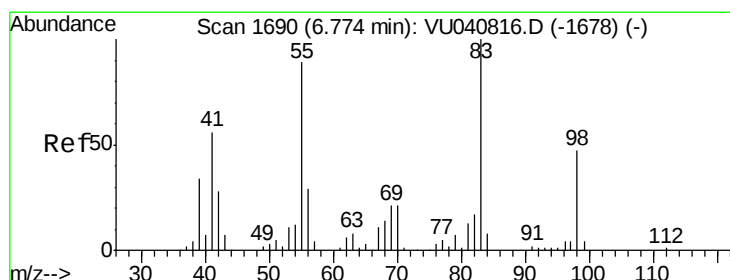
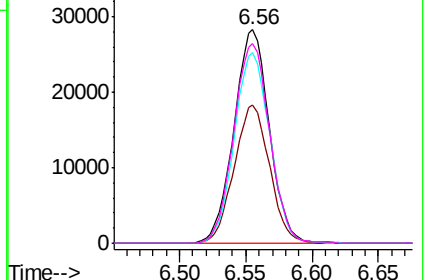
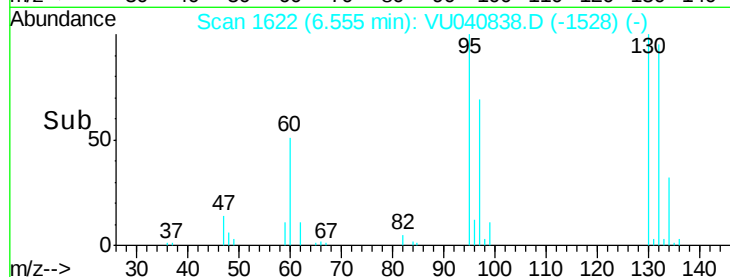


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.277 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

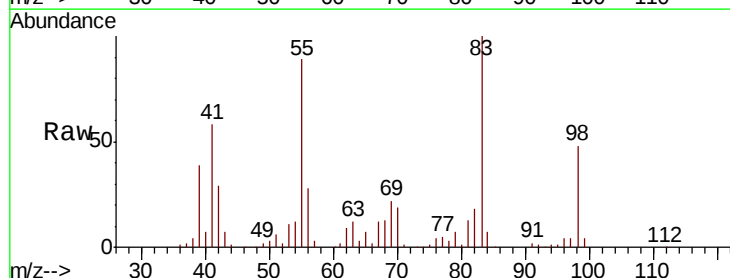
Tgt Ion: 83 Resp: 64924

Ion Ratio Lower Upper

83 100

55 89.7 70.7 106.1

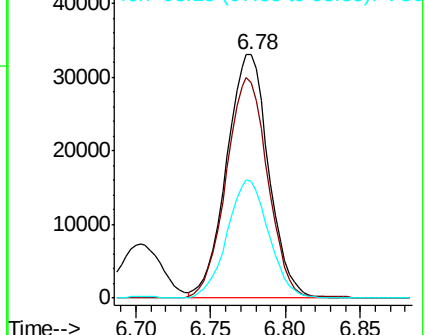
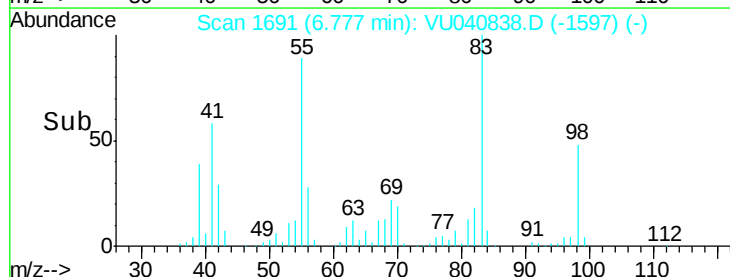
98 47.8 38.4 57.6

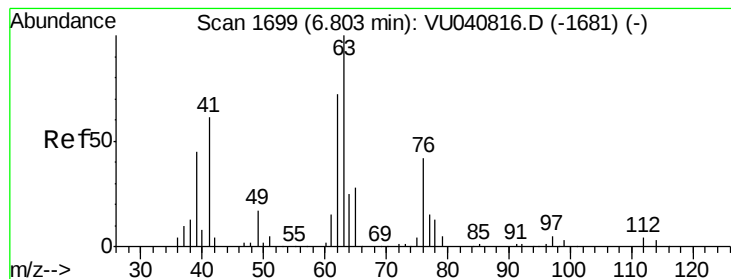


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.150 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

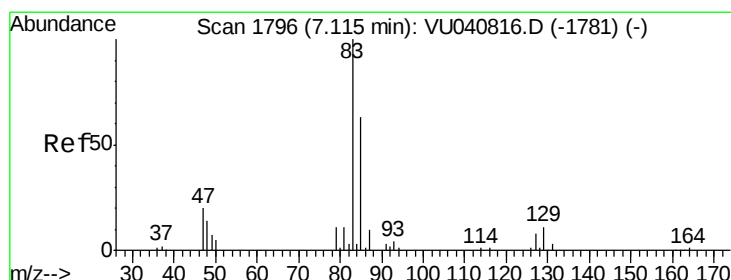
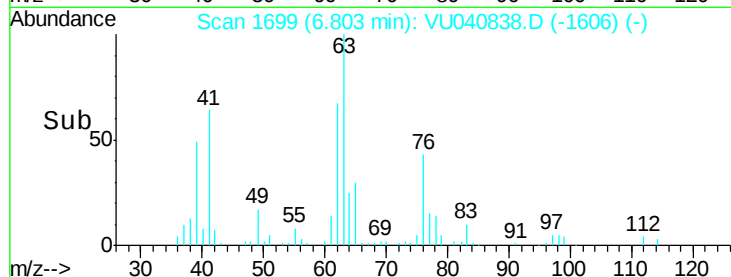
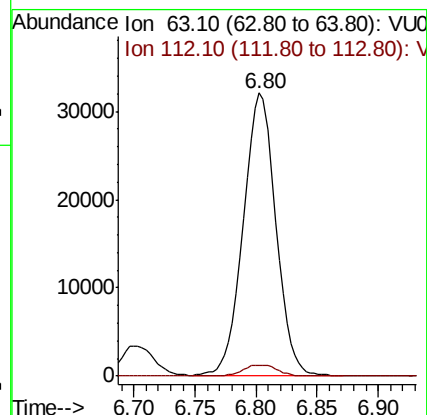
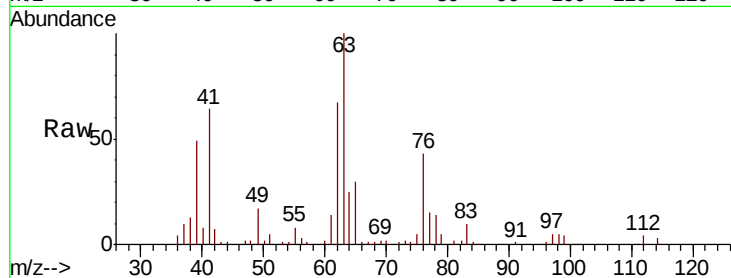
VSTD00519

Tot Ion: 63 Resp: 59261

Ion Ratio Lower Upper

63 100

112 4.1 3.5 5.3



#38

Bromodichloromethane

Concen: 5.343 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

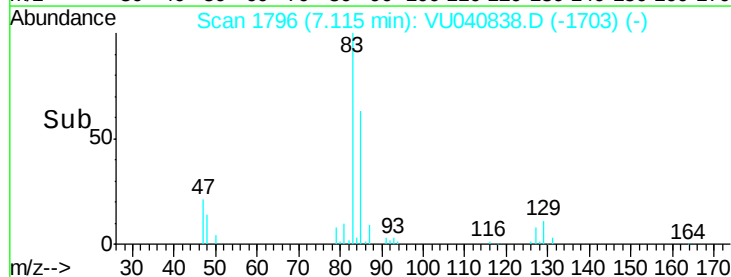
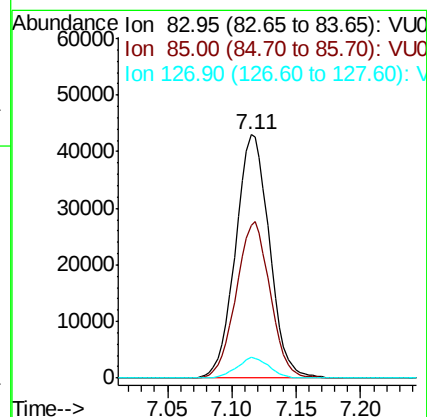
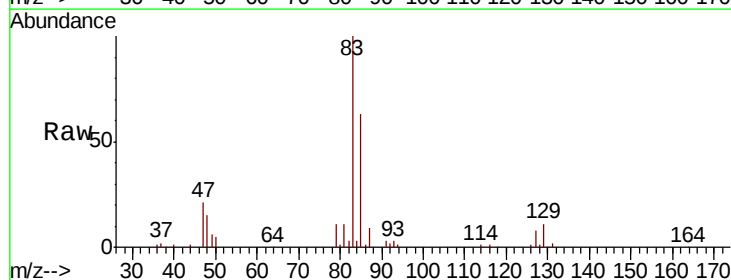
Tgt Ion: 83 Resp: 78591

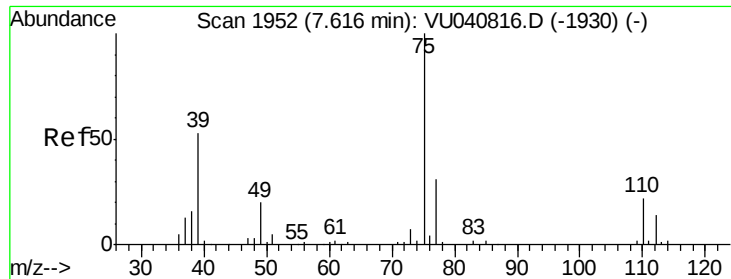
Ion Ratio Lower Upper

83 100

85 62.8 46.0 85.4

127 8.4 6.7 10.1

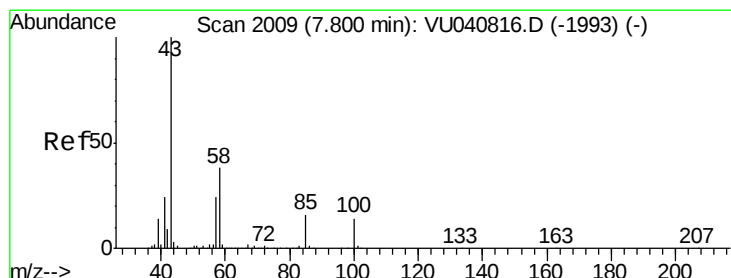
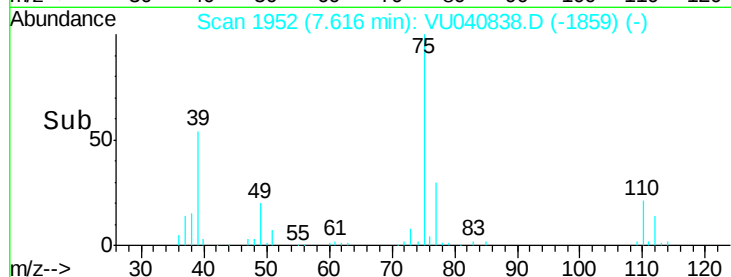
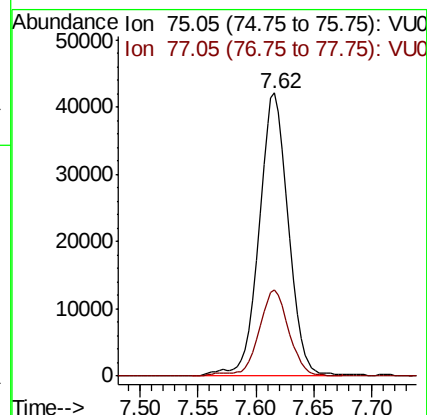
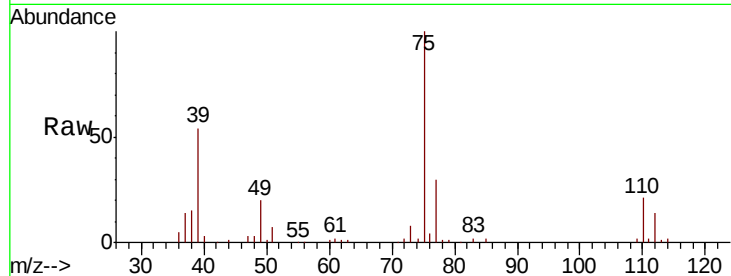




#39
 cis-1,3-Dichloropropene
 Concen: 4.742 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

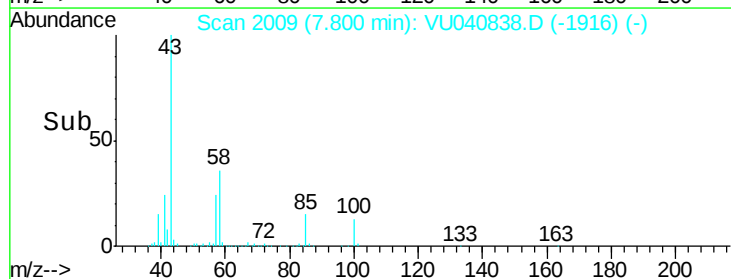
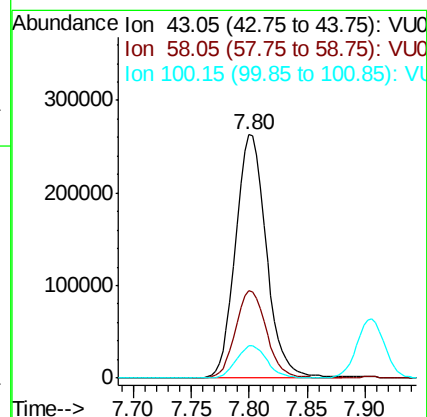
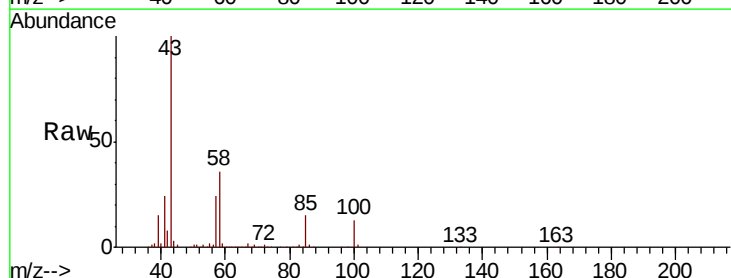
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

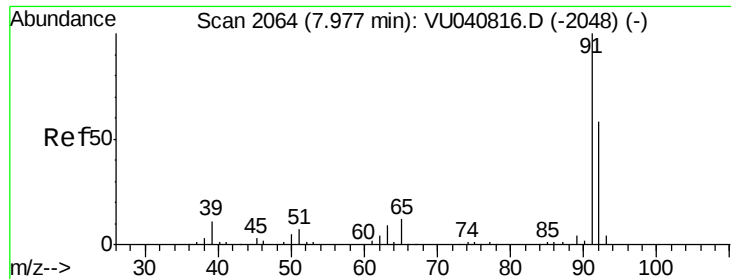
Tot Ion: 75 Resp: 74553
 Ion Ratio Lower Upper
 75 100
 77 30.3 20.5 38.1



#40
 4-Methyl-2-pentanone
 Concen: 52.684 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion: 43 Resp: 483324
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.7 44.5
 100 13.3 10.7 16.1





#42

Toluene

Concen: 5.182 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

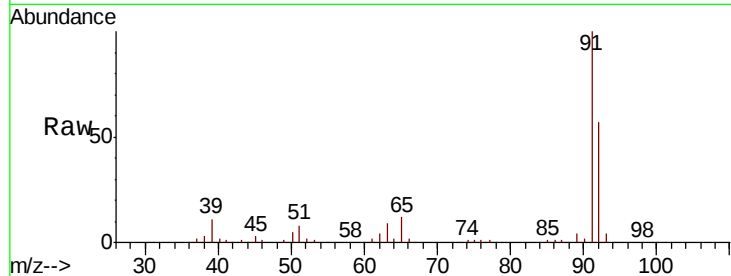
VSTD00519

Tot Ion: 91 Resp: 218059

Ion Ratio Lower Upper

91 100

92 56.8 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

150000

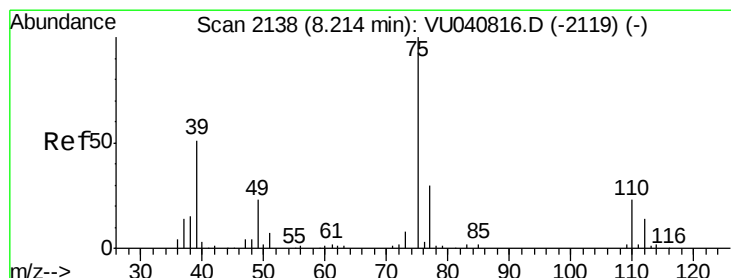
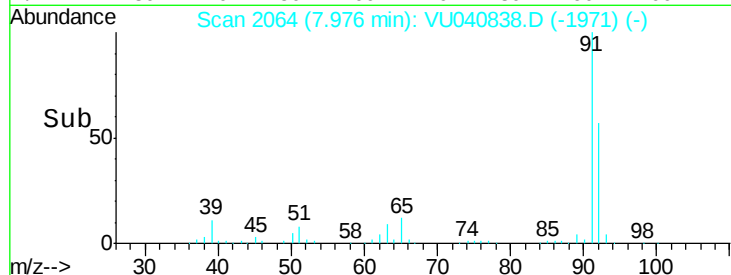
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.837 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040838.D

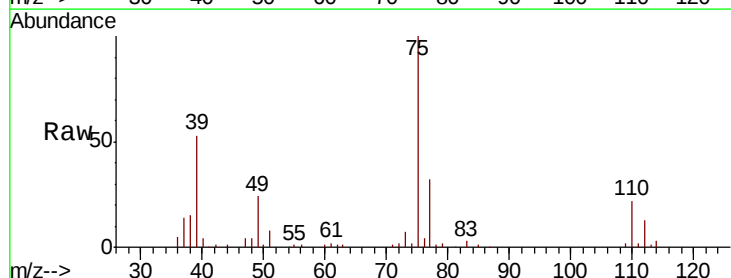
Acq: 20 Oct 2020 05:15

Tgt Ion: 75 Resp: 70007

Ion Ratio Lower Upper

75 100

77 31.6 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

40000

8.21

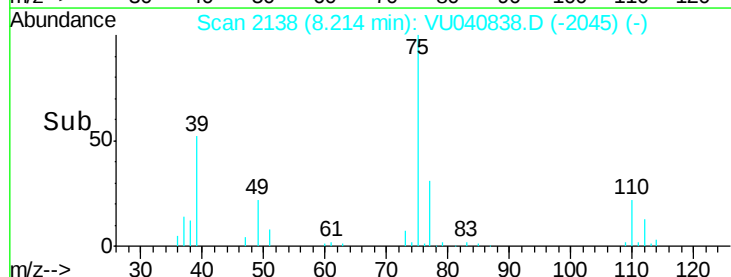
30000

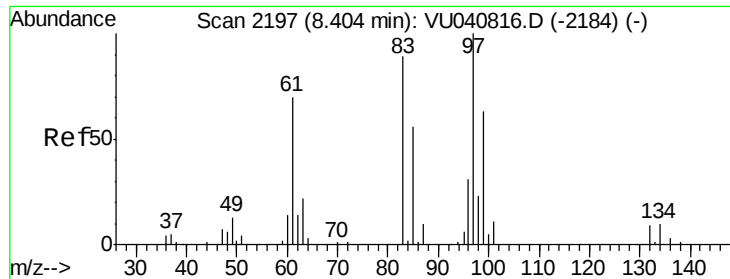
20000

10000

0

Time-->

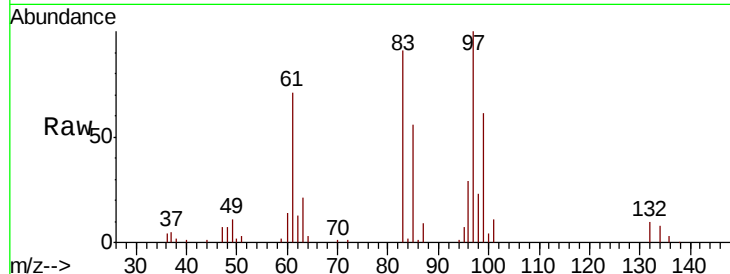




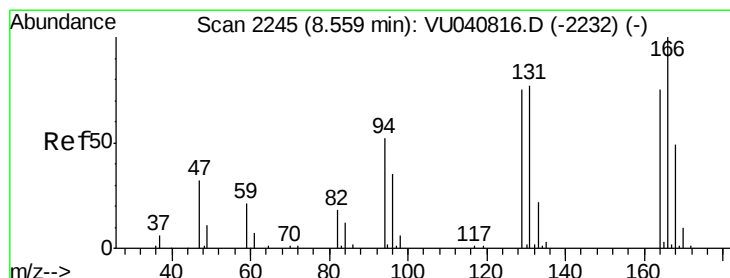
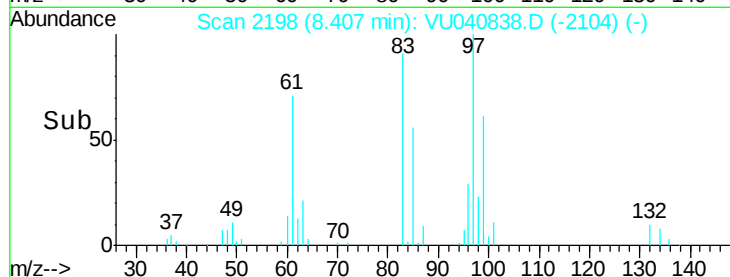
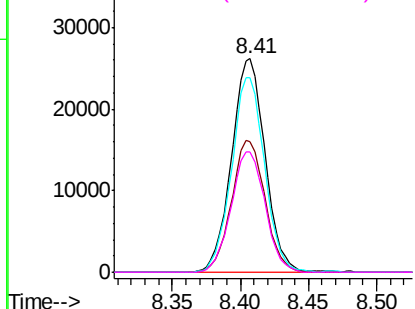
#45
 1,1,2-Trichloroethane
 Concen: 5.188 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:	97	Resp:	44712
Ion	Ratio	Lower	Upper
97	100		
99	61.4	44.0	81.6
83	90.8	62.9	116.9
85	56.4	40.3	74.8

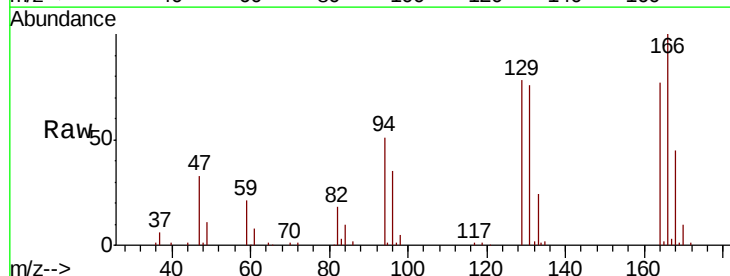


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

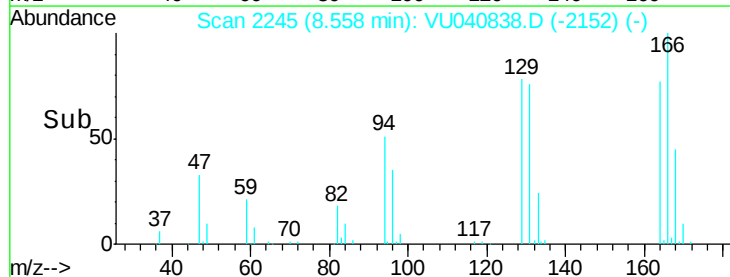
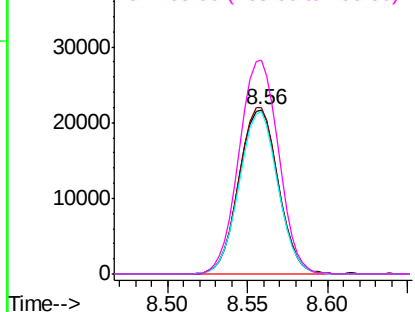


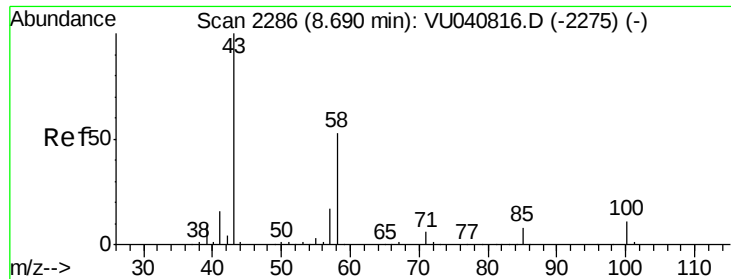
#47
 Tetrachloroethene
 Concen: 4.793 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion:	164	Resp:	36610
Ion	Ratio	Lower	Upper
164	100		
129	101.4	68.8	127.8
131	98.7	66.7	123.9
166	130.2	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

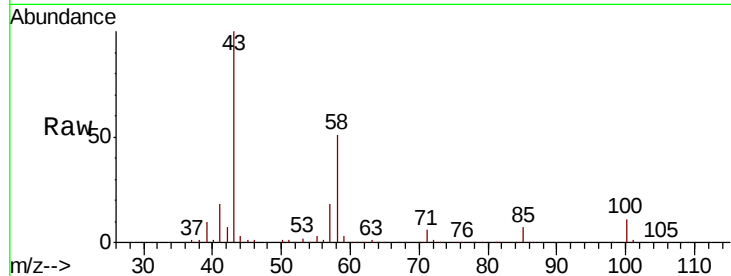




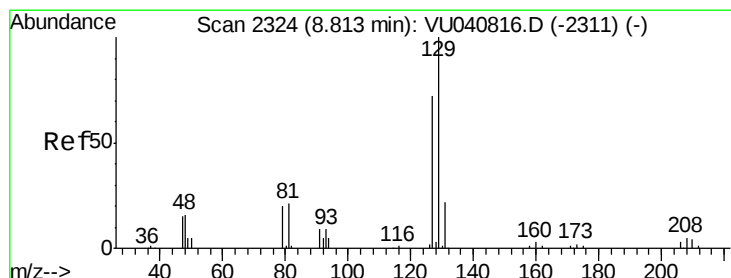
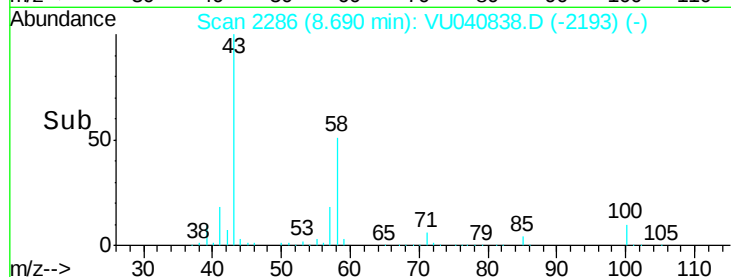
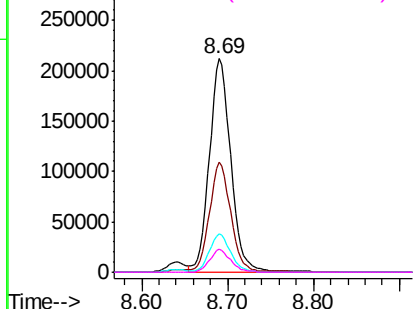
#48
2-Hexanone
Concen: 54.211 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion: 43 Resp: 370273
Ion Ratio Lower Upper
43 100
58 51.4 41.0 61.6
57 17.8 14.4 21.6
100 10.6 8.6 13.0

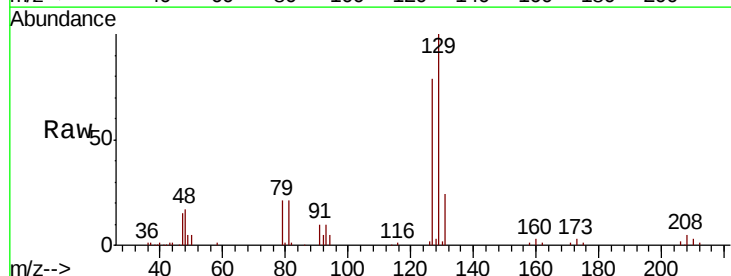


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

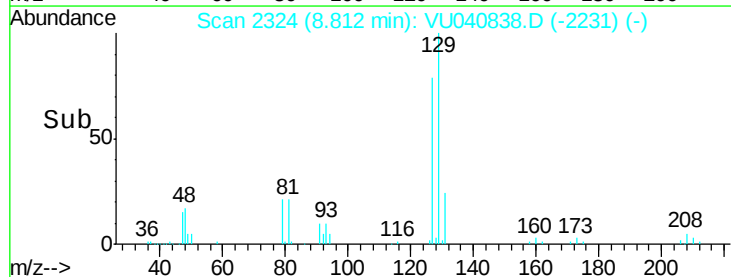
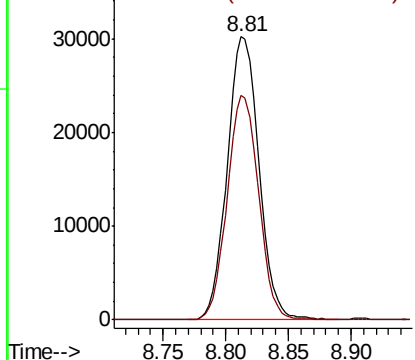


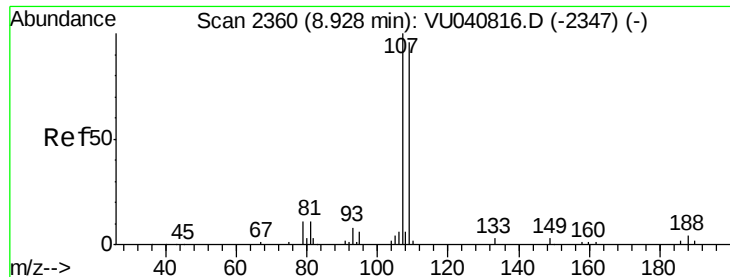
#49
Dibromochloromethane
Concen: 5.357 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 129 Resp: 53120
Ion Ratio Lower Upper
129 100
127 79.1 55.8 103.6



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

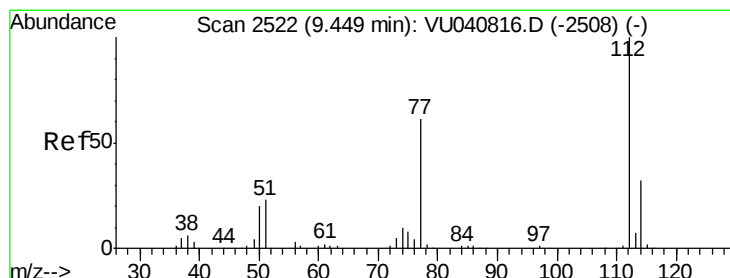
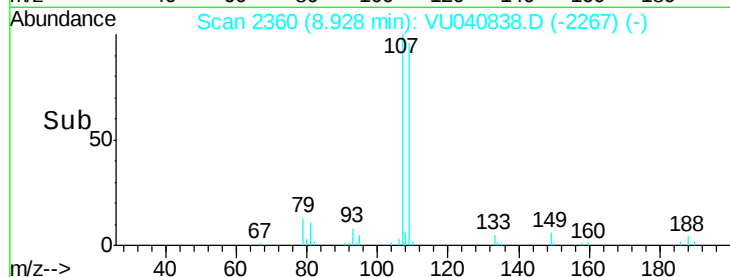
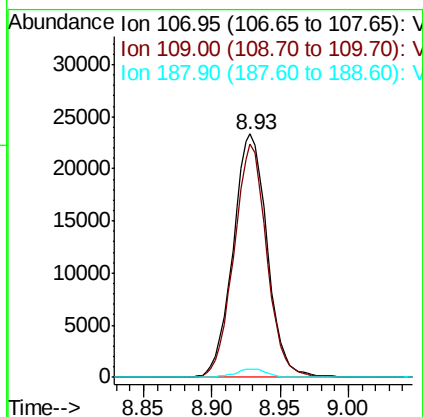
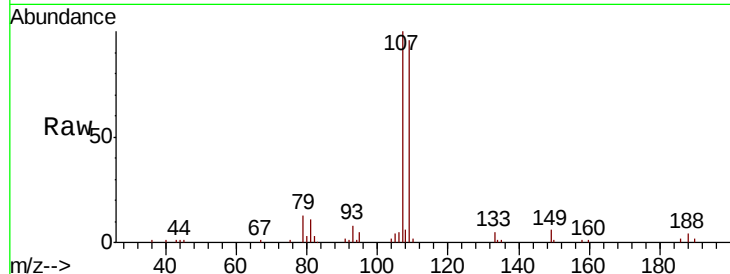




#50
 1,2-Dibromoethane
 Concen: 4.954 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

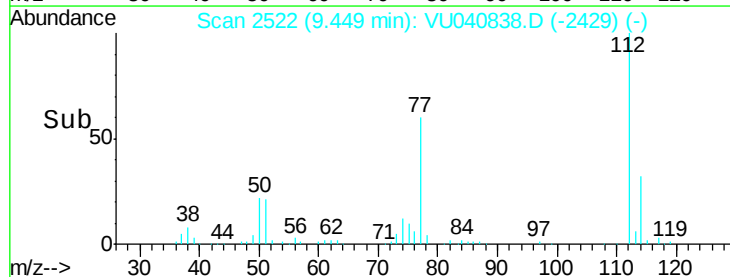
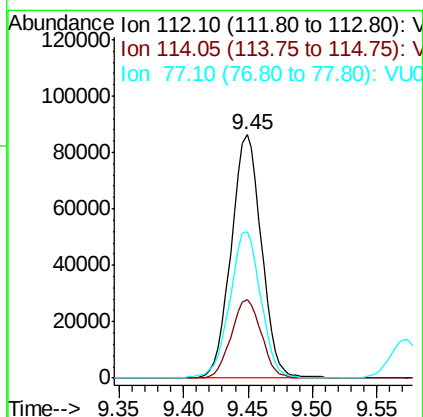
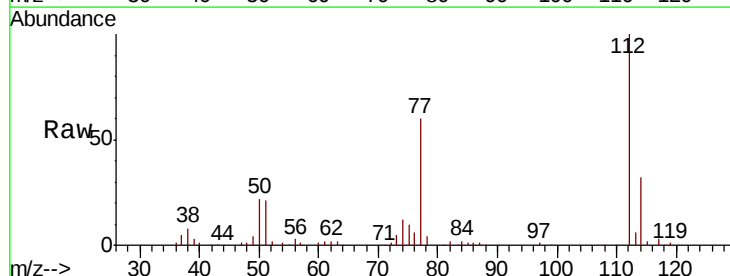
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

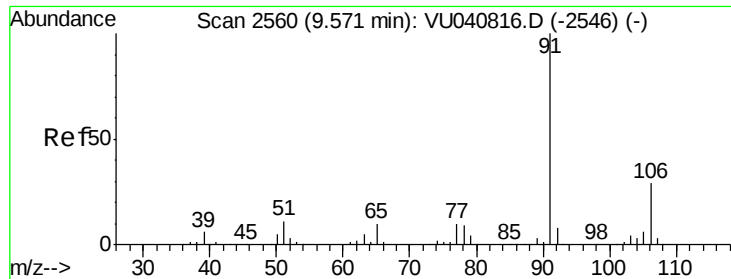
Tot Ion:107 Resp: 40501
 Ion Ratio Lower Upper
 107 100
 109 95.8 65.7 121.9
 188 3.6 3.0 4.4



#51
 Chlorobenzene
 Concen: 5.086 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion:112 Resp: 140978
 Ion Ratio Lower Upper
 112 100
 114 32.0 23.1 42.9
 77 60.2 50.3 75.5

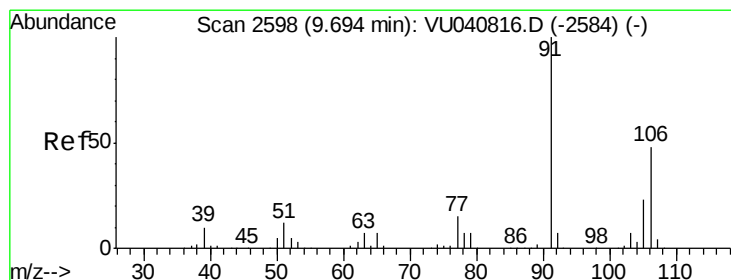
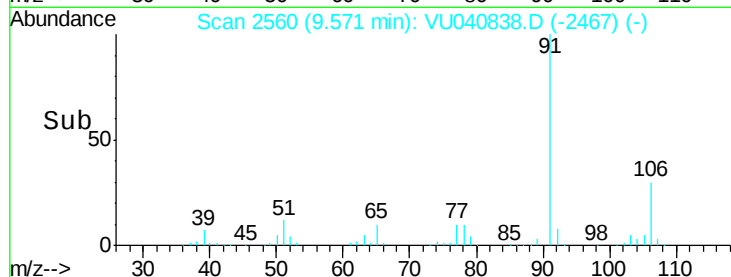
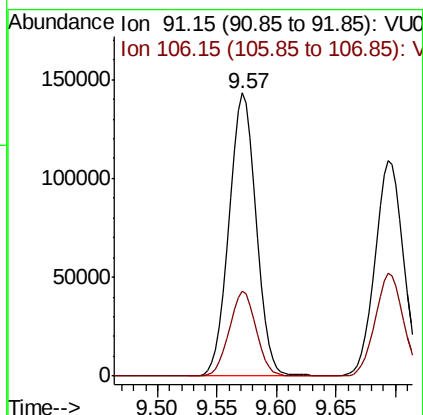
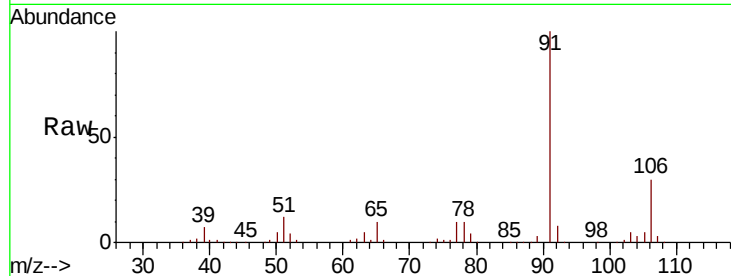




#52
Ethylbenzene
Concen: 4.980 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

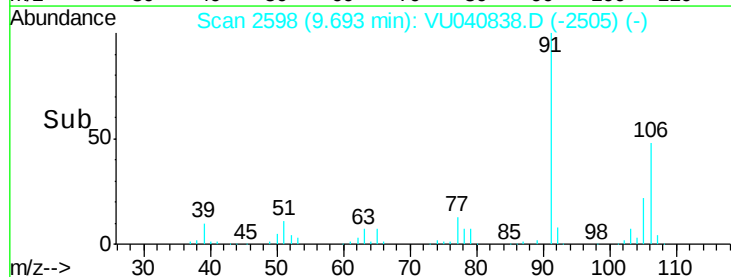
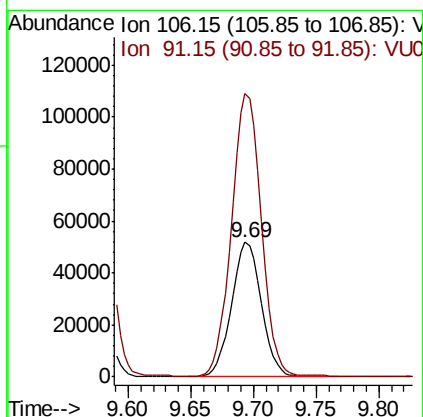
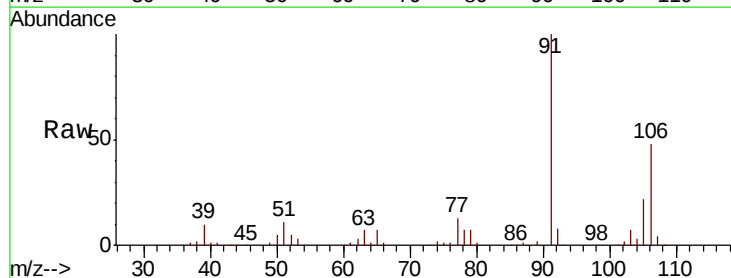
Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

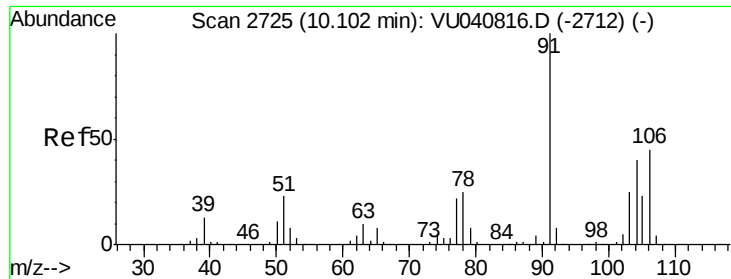
Tot Ion: 91 Resp: 226820
Ion Ratio Lower Upper
91 100
106 30.0 20.7 38.5



#53
m,p-Xylene
Concen: 5.173 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion: 106 Resp: 85875
Ion Ratio Lower Upper
106 100
91 210.5 148.5 275.7

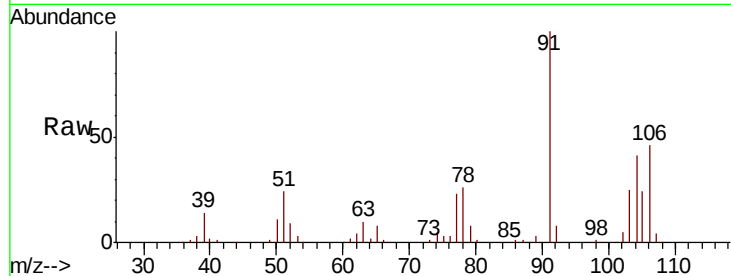




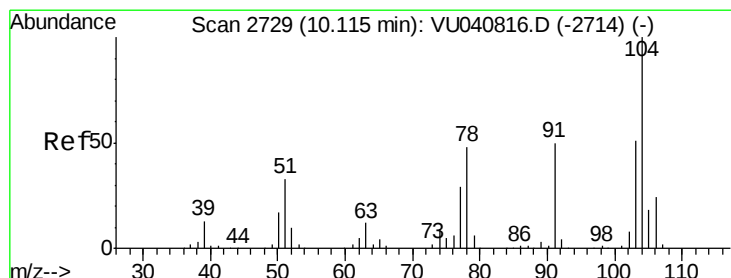
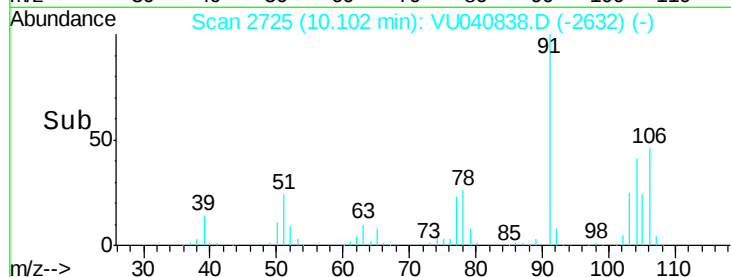
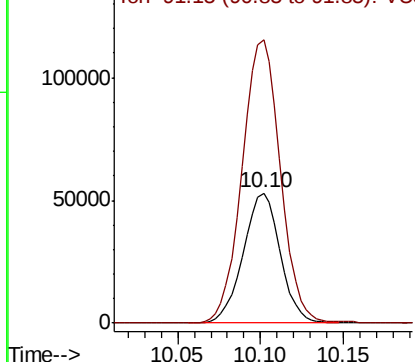
#54
o-Xylene
Concen: 5.162 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Instrument :
MSVOA_U
ClientSampleId :
VSTD00519

Tot Ion:106 Resp: 82412
Ion Ratio Lower Upper
106 100
91 217.1 160.2 297.4

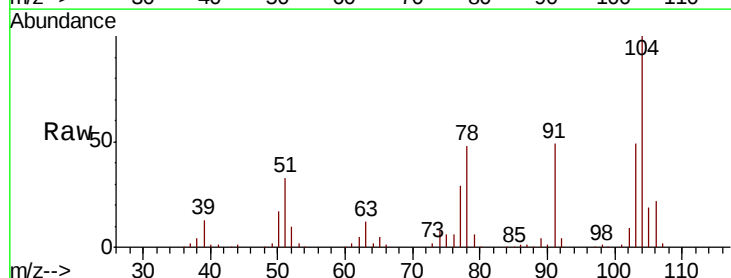


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

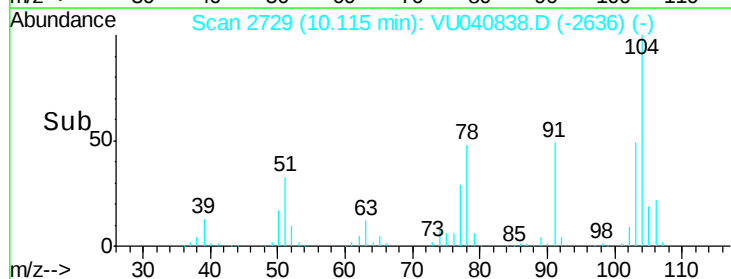
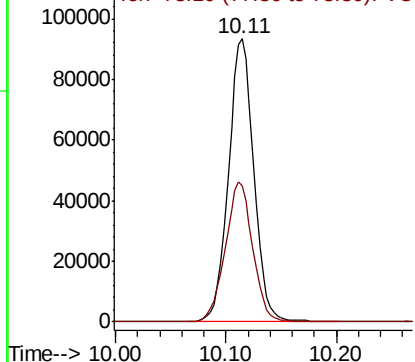


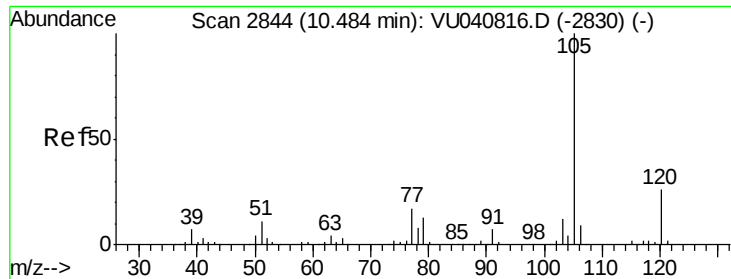
#55
Styrene
Concen: 5.357 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040838.D
Acq: 20 Oct 2020 05:15

Tgt Ion:104 Resp: 148512
Ion Ratio Lower Upper
104 100
78 48.2 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: 5.138 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

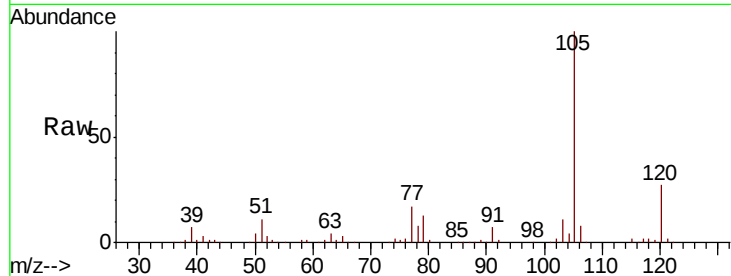
Tot Ion:105 Resp: 220827

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8

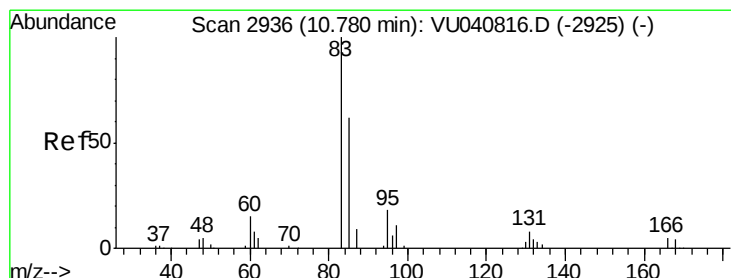
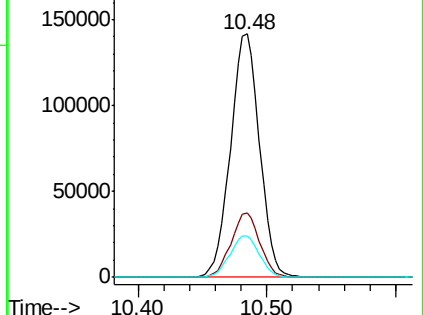
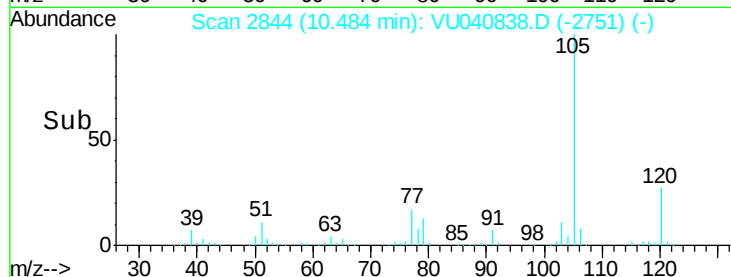
77 17.4 13.8 20.6



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: 5.386 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

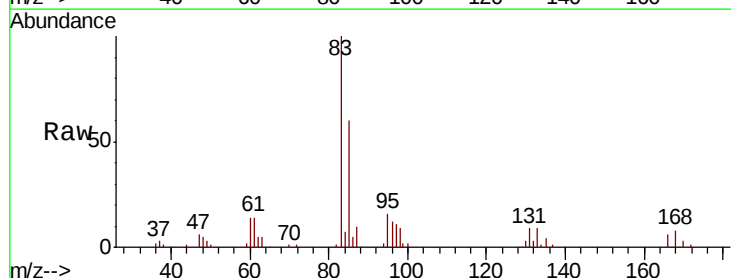
Tgt Ion: 83 Resp: 60943

Ion Ratio Lower Upper

83 100

85 60.4 45.6 84.6

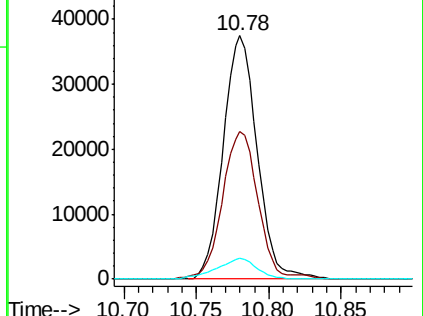
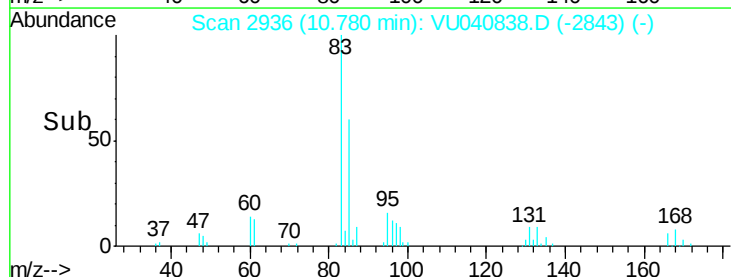
131 8.8 7.1 10.7

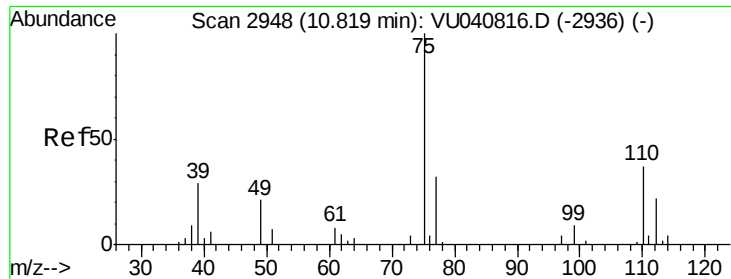


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

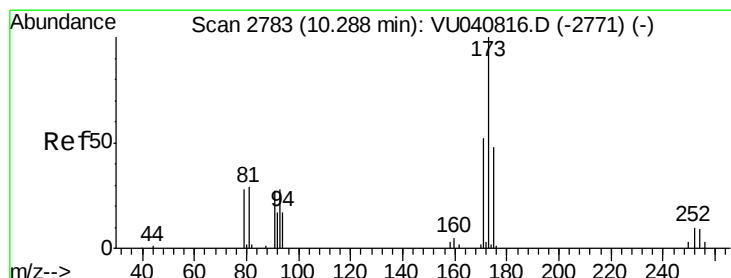
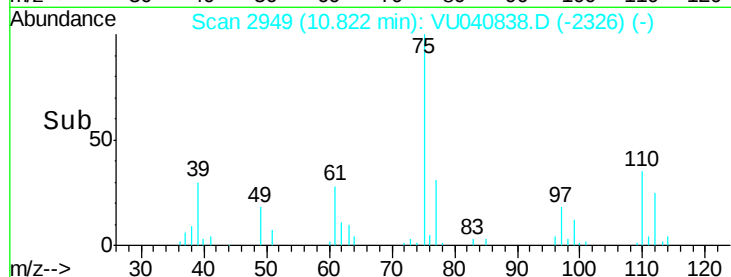
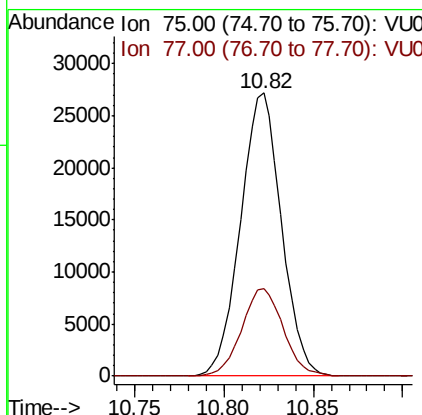
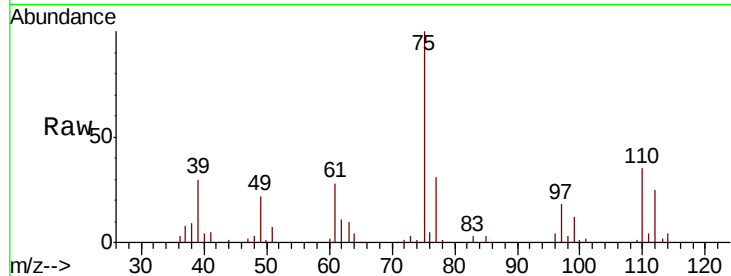




#59
 1,2,3-Trichloropropane
 Concen: 5.153 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

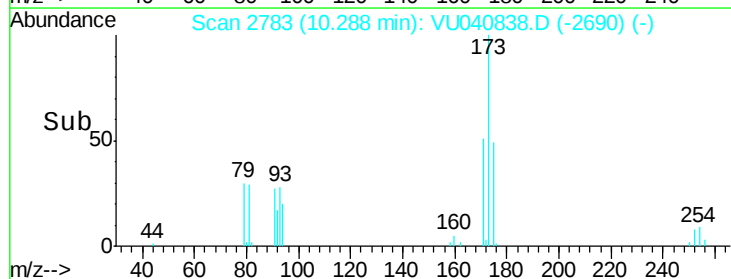
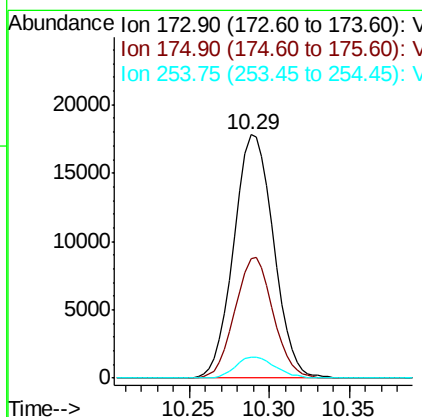
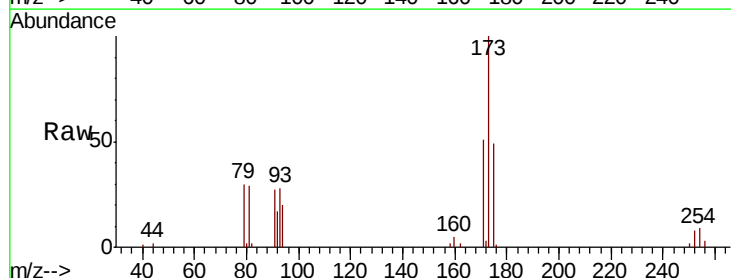
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

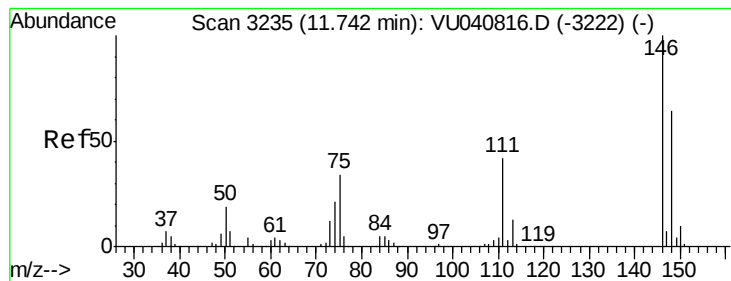
Tot Ion: 75 Resp: 43555
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.4 39.6



#61
 Bromoform
 Concen: 5.371 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion: 173 Resp: 30222
 Ion Ratio Lower Upper
 173 100
 175 47.3 37.4 56.0
 254 8.5 7.4 11.2





#62

1,3-Dichlorobenzene

Concen: 5.219 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

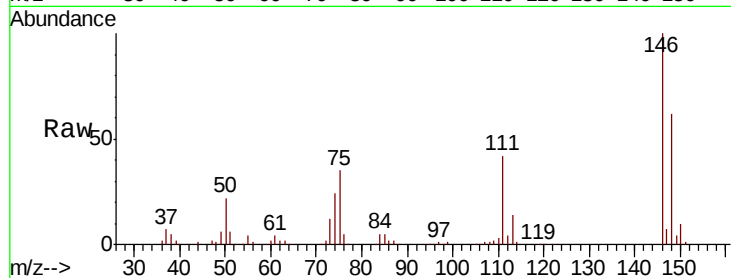
Tot Ion:146 Resp: 112124

Ion Ratio Lower Upper

146 100

111 42.5 28.8 53.6

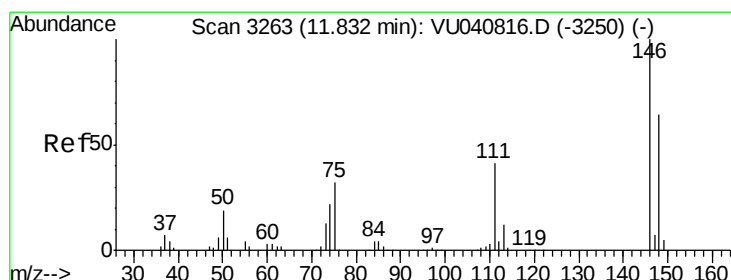
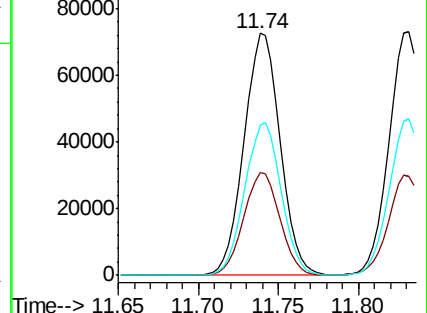
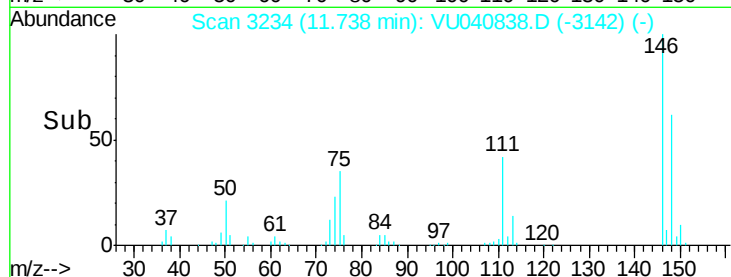
148 61.8 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.202 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

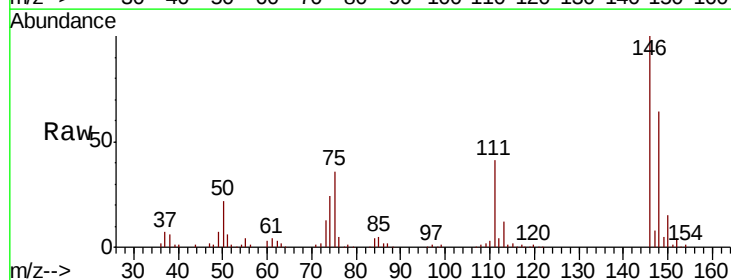
Tgt Ion:146 Resp: 115250

Ion Ratio Lower Upper

146 100

111 40.8 28.4 52.8

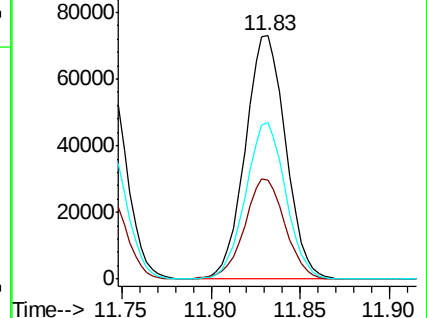
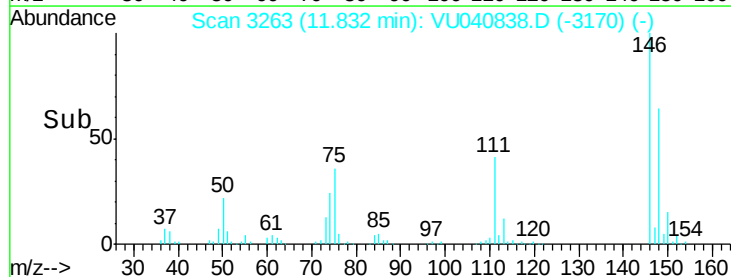
148 64.2 44.0 81.6

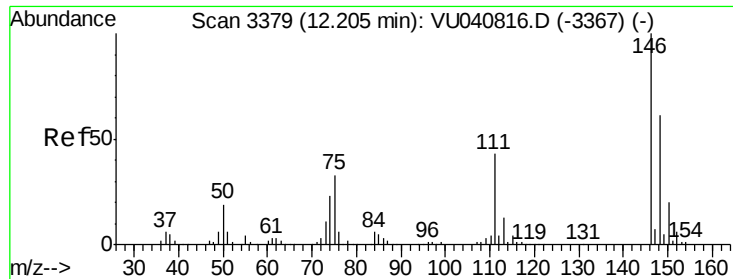


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.250 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

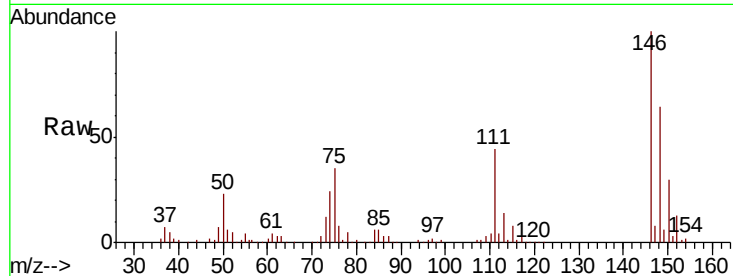
Tot Ion:146 Resp: 110274

Ion Ratio Lower Upper

146 100

111 43.8 34.4 51.6

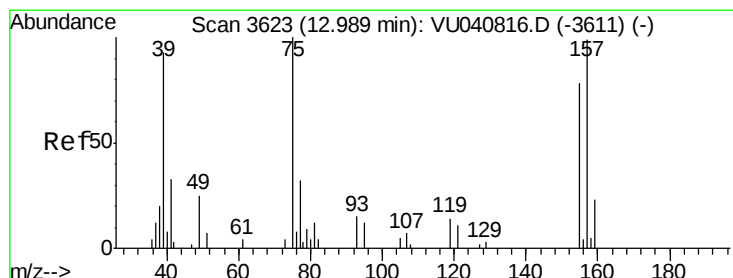
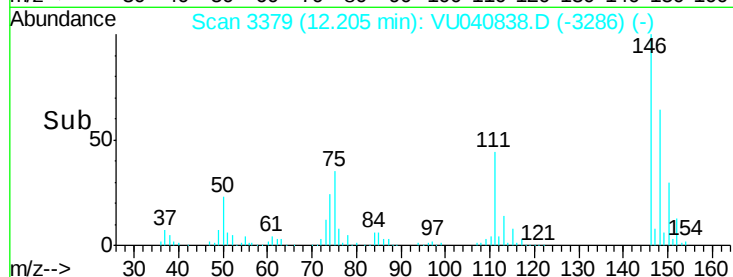
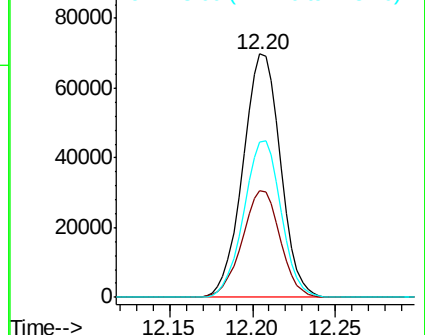
148 63.5 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.118 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

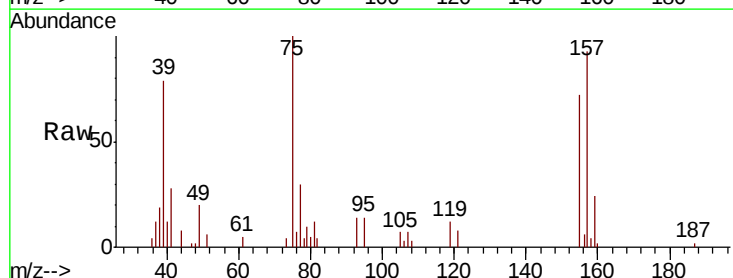
Tgt Ion: 75 Resp: 9413

Ion Ratio Lower Upper

75 100

155 72.2 53.8 80.6

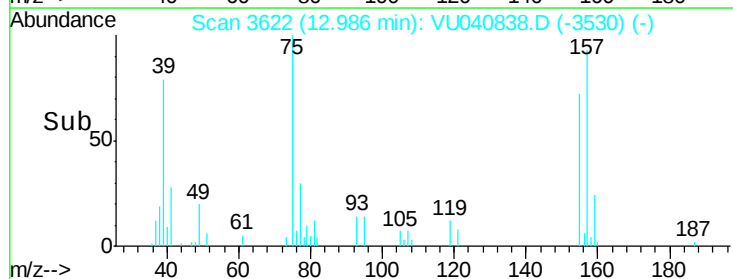
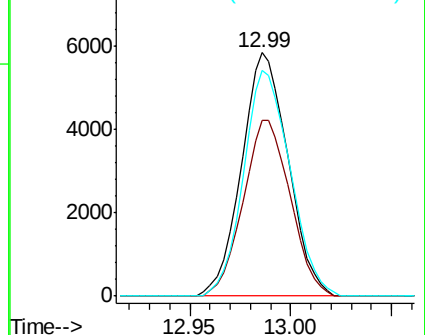
157 92.8 74.6 112.0

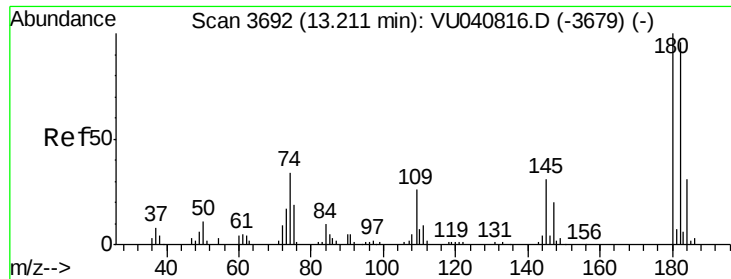


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

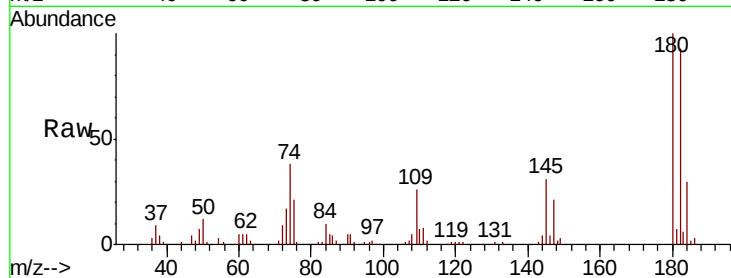




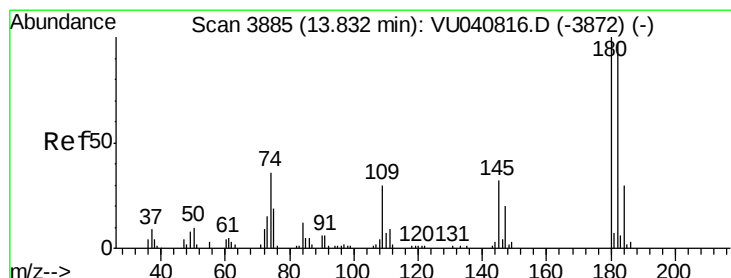
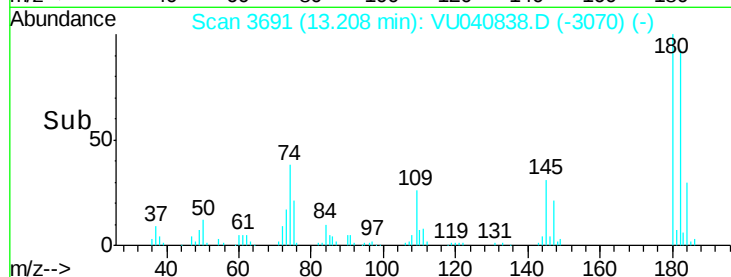
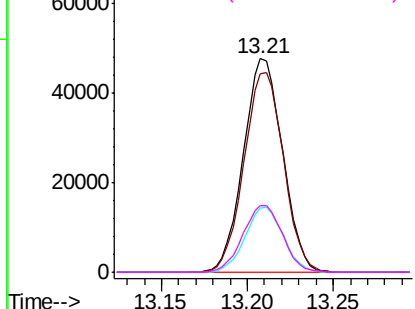
#67
 1,3,5-Trichlorobenzene
 Concen: 4.946 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00519

Tot Ion:180 Resp: 75403
 Ion Ratio Lower Upper
 180 100
 182 94.1 77.0 115.4
 184 29.6 24.5 36.7
 145 31.5 25.9 38.9

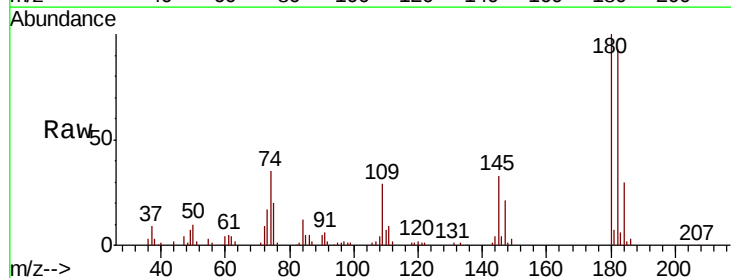


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

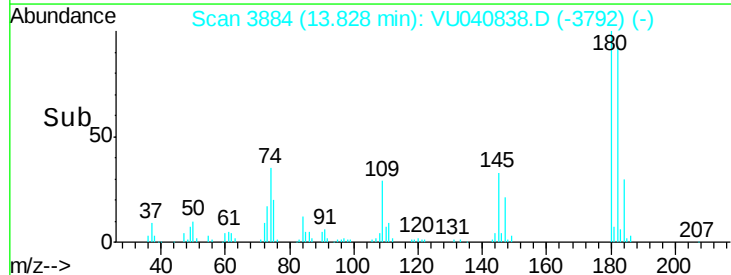
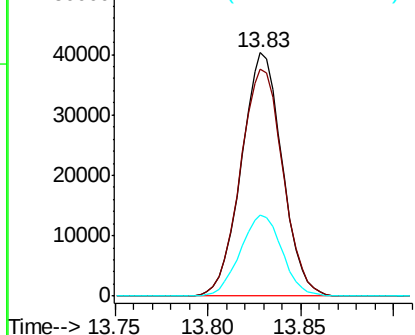


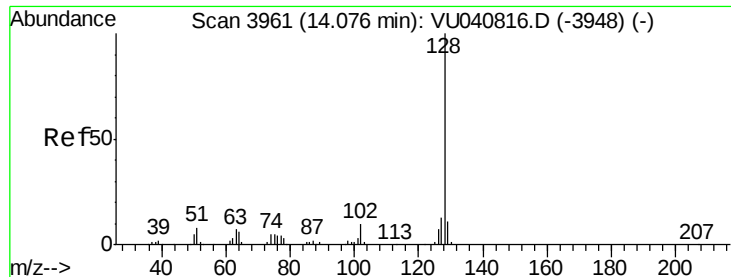
#68
 1,2,4-trichlorobenzene
 Concen: 5.237 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040838.D
 Acq: 20 Oct 2020 05:15

Tgt Ion:180 Resp: 61684
 Ion Ratio Lower Upper
 180 100
 182 97.4 78.8 118.2
 145 34.2 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: 5.805 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

Instrument :

MSVOA_U

ClientSampleId :

VSTD00519

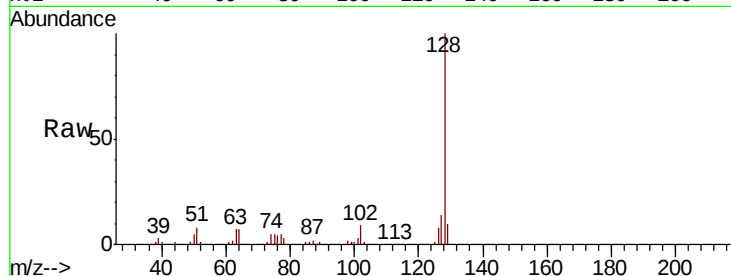
Tot Ion:128 Resp: 111841

Ion Ratio Lower Upper

128 100

129 10.5 9.0 13.4

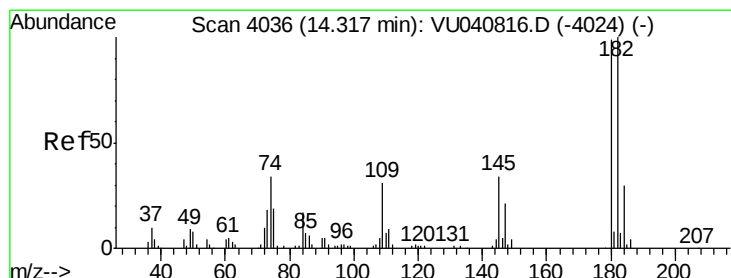
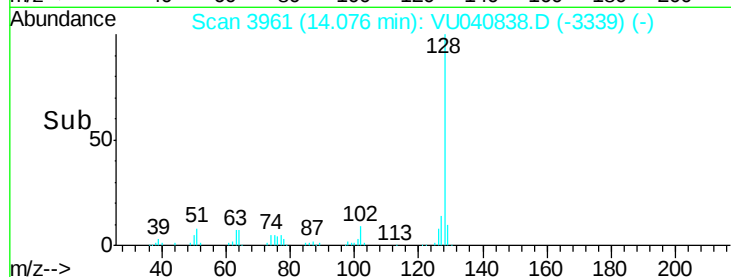
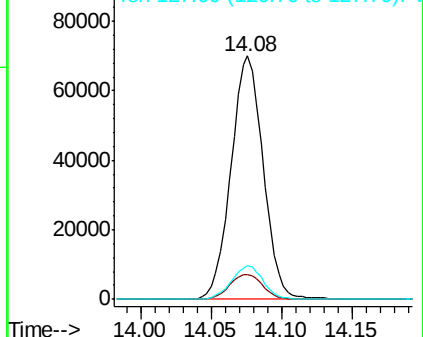
127 13.6 10.2 15.4



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: 5.615 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040838.D

Acq: 20 Oct 2020 05:15

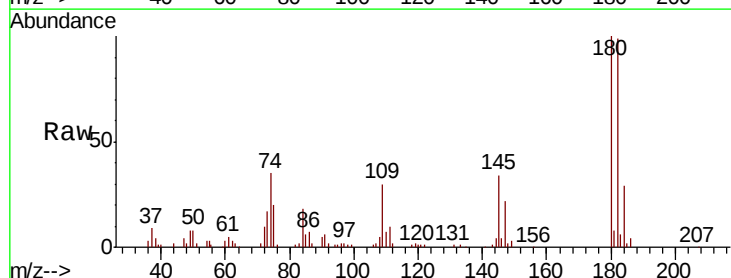
Tgt Ion:180 Resp: 61415

Ion Ratio Lower Upper

180 100

182 98.5 75.8 113.8

145 34.7 27.4 41.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

