

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100320\
 Data File : VU040499.D
 Acq On : 03 Oct 2020 22:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Quant Time: Oct 05 01:06:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 05 00:56:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127805	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127696	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	31020	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.92	69	26125	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.58	63	77652	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.66	46	134672	42.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.70%
24) Chloroform-d	5.08	84	69829	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.72	65	42778	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	5.75	84	130744	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
36) 1,2-Dichloropropane-d6	6.70	67	44039	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.80%
41) Toluene-d8	7.91	98	121630	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	8.19	79	18614	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.64	63	95805	42.50	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.00%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40503	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	45667	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	59687	4.657	ug/L 100
3) Chloromethane	1.53	50	55296	4.399	ug/L 100
5) Vinyl chloride	1.61	62	59246	4.796	ug/L 96
6) Bromomethane	1.87	94	25418	4.231	ug/L 99
8) Chloroethane	1.94	64	37268	5.090	ug/L 95
9) Trichlorofluoromethane	2.15	101	84053	4.932	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52810	4.853	ug/L 99
12) 1,1-Dichloroethene	2.59	96	47282	4.858	ug/L 92
13) Acetone	2.66	43	125603	47.958	ug/L 95
14) Carbon disulfide	2.81	76	141952	4.614	ug/L 100
15) Methyl Acetate	2.97	43	29369	4.656	ug/L 98
16) Methylene chloride	3.06	84	57832	4.730	ug/L 94
17) Methyl tert-butyl Ether	3.38	73	132954	4.958	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	49555	4.924	ug/L 98
19) 1,1-Dichloroethane	3.89	63	103445	5.008	ug/L 98
21) 2-Butanone	4.74	43	207765	49.423	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	54271	4.874	ug/L 99

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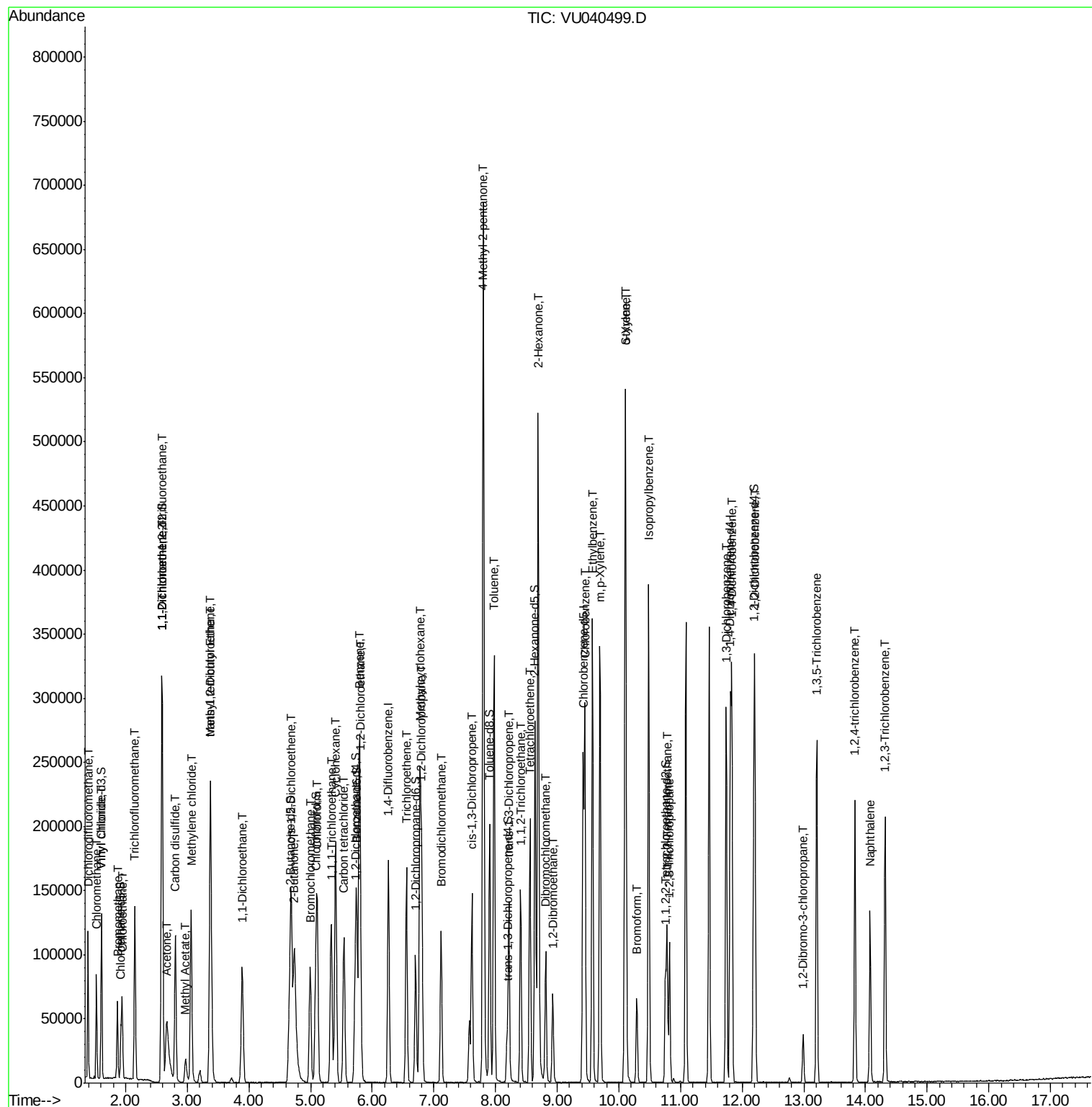
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	26055	5.111	ug/L	98
25) Chloroform	5.11	83	107826	5.118	ug/L	98
27) 1,2-Dichloroethane	5.81	62	75122	5.149	ug/L	99
29) 1,1,1-Trichloroethane	5.34	97	88136	5.053	ug/L	99
30) Cyclohexane	5.41	56	87310	4.838	ug/L	98
31) Carbon tetrachloride	5.54	117	74339	4.970	ug/L	100
33) Benzene	5.79	78	216794	5.064	ug/L	100
34) Trichloroethene	6.56	95	55317	4.867	ug/L	95
35) Methylcyclohexane	6.77	83	79816	4.788	ug/L	99
37) 1,2-Dichloropropane	6.80	63	61283	5.140	ug/L	100
38) Bromodichloromethane	7.12	83	75666	5.140	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	80483	5.033	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	480043	51.414	ug/L	100
42) Toluene	7.98	91	225861	5.145	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	73323	4.974	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	45089	5.395	ug/L	93
47) Tetrachloroethene	8.56	164	40822	5.058	ug/L	97
48) 2-Hexanone	8.69	43	358001	52.034	ug/L	99
49) Dibromochloromethane	8.82	129	49778	5.120	ug/L	97
50) 1,2-Dibromoethane	8.93	107	41788	5.212	ug/L	96
51) Chlorobenzene	9.45	112	142705	5.028	ug/L	99
52) Ethylbenzene	9.57	91	237024	4.975	ug/L	99
53) m,p-Xylene	9.70	106	88564	4.990	ug/L	100
54) o-Xylene	10.10	106	85129	5.099	ug/L	99
55) Styrene	10.11	104	151312	5.196	ug/L	99
56) Isopropylbenzene	10.48	105	228049	5.062	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	56240	4.965	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	42390	4.905	ug/L	100
61) Bromoform	10.29	173	27541	5.058	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	110167	5.051	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	113178	4.988	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	104224	4.915	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	9540	4.991	ug/L #	88
67) 1,3,5-Trichlorobenzene	13.21	180	73891	4.745	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	59868	4.785	ug/L	100
69) Naphthalene	14.08	128	98904	4.625	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	56966	4.976	ug/L	98

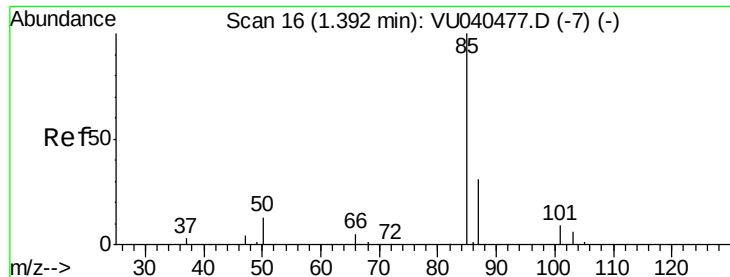
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.657 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

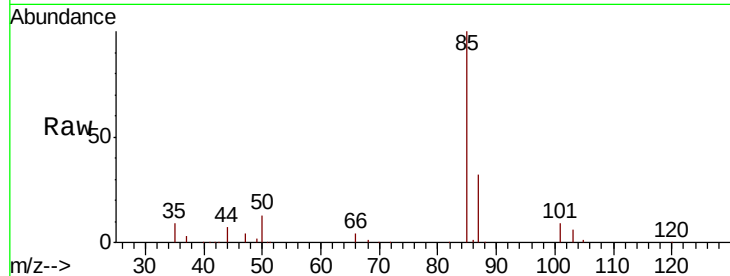
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 85 Resp: 59687

Ion Ratio Lower Upper

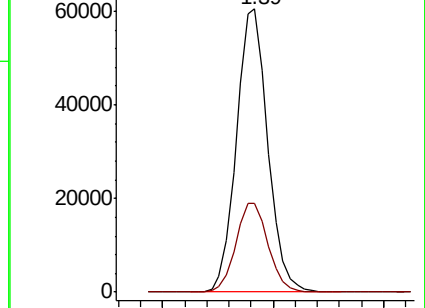
85 100

87 32.4 25.8 38.8

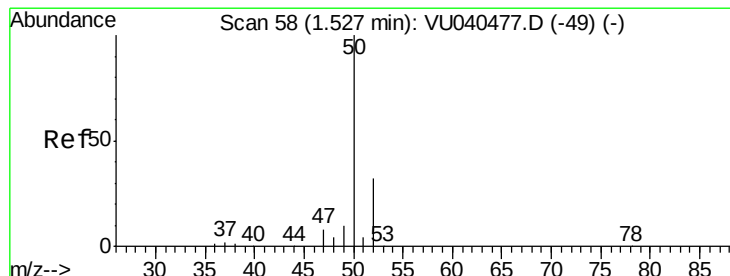
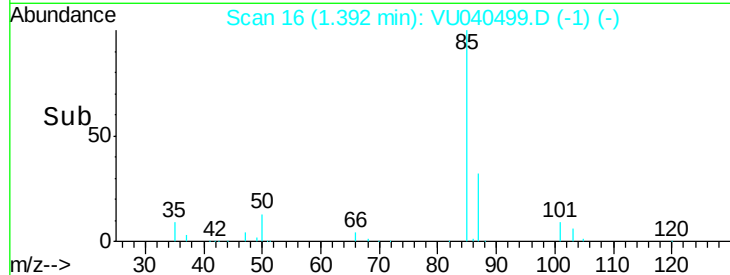


Abundance Ion 85.00 (84.70 to 85.70): VU040477.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040477.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 4.399 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040499.D

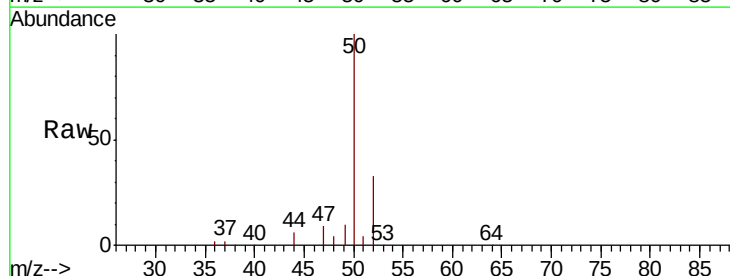
Acq: 03 Oct 2020 22:52

Tgt Ion: 50 Resp: 55296

Ion Ratio Lower Upper

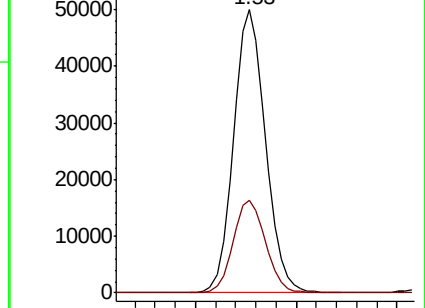
50 100

52 32.5 23.0 42.6

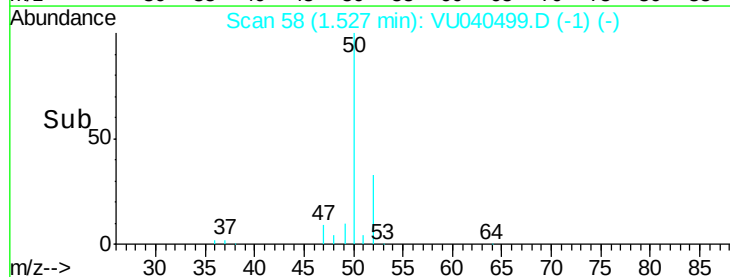


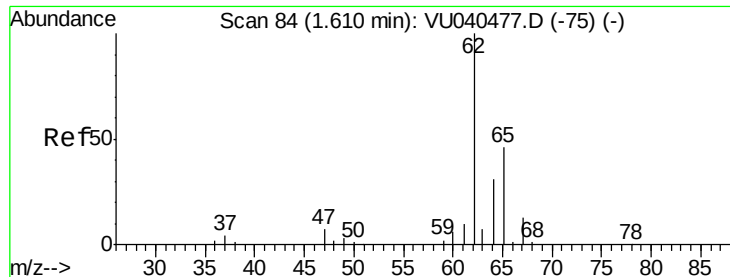
Abundance Ion 50.05 (49.75 to 50.75): VU040477.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040477.D (-49) (-)



Time-->





#5

Vinyl chloride

Concen: 4.796 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

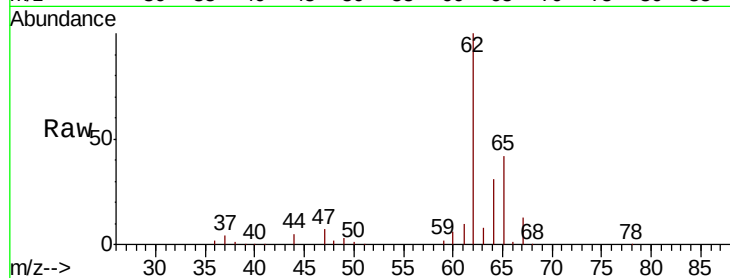
VSTD00511

Tot Ion: 62 Resp: 59246

Ion Ratio Lower Upper

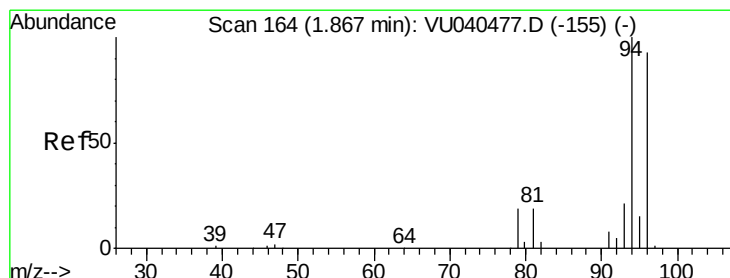
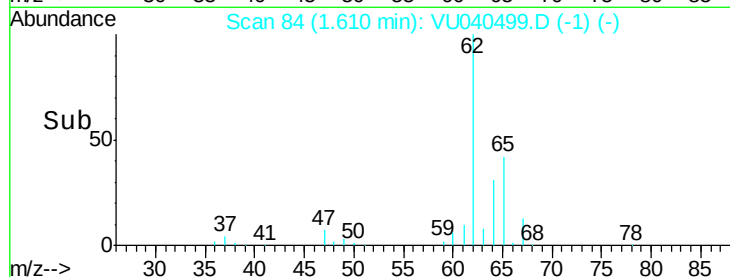
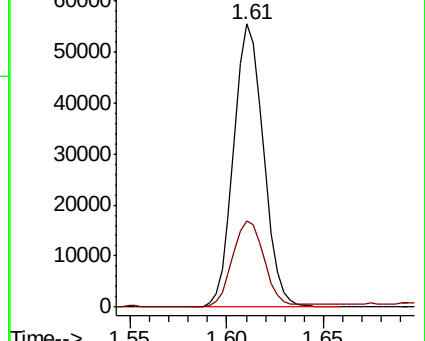
62 100

64 30.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.231 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040499.D

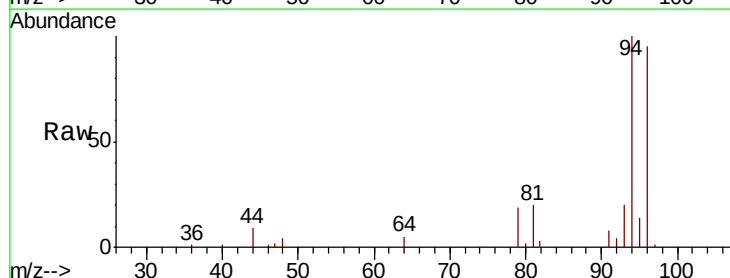
Acq: 03 Oct 2020 22:52

Tgt Ion: 94 Resp: 25418

Ion Ratio Lower Upper

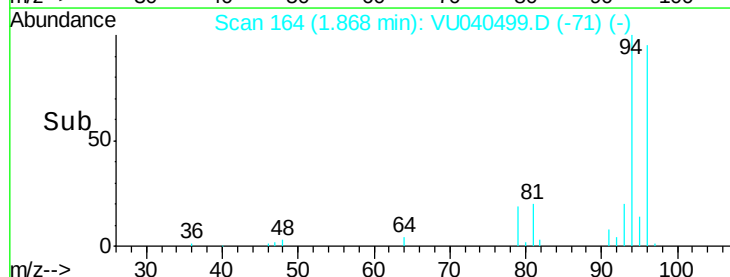
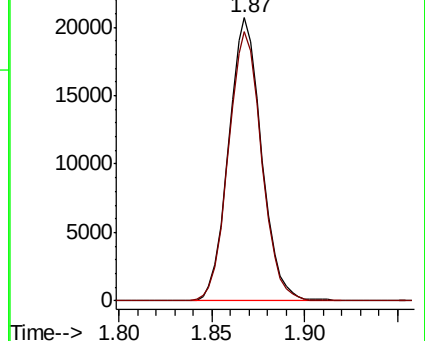
94 100

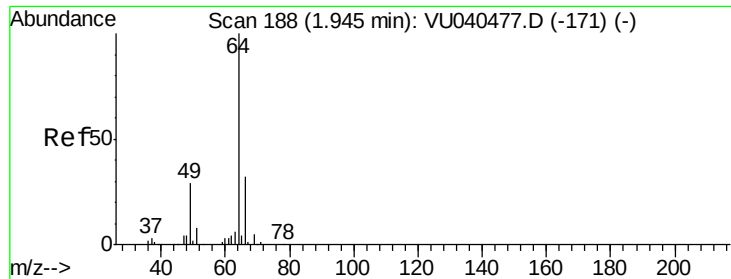
96 95.2 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.090 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

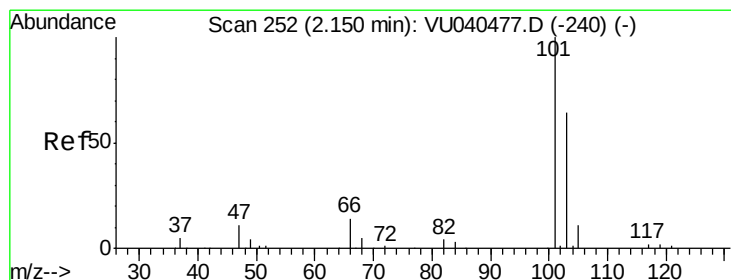
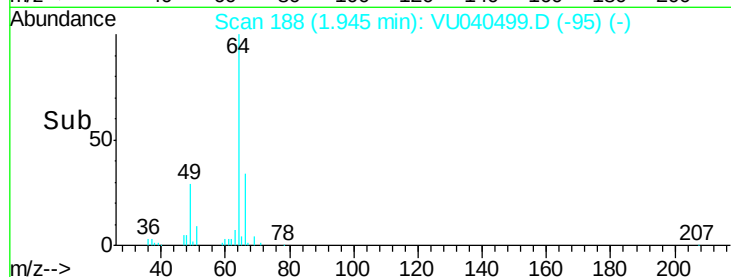
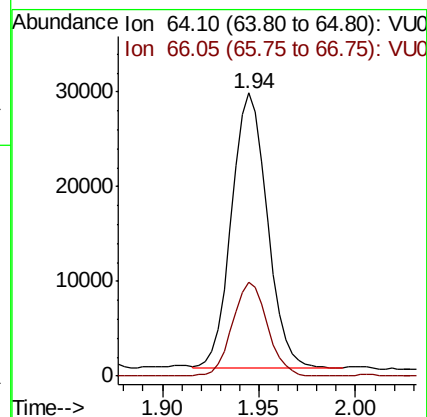
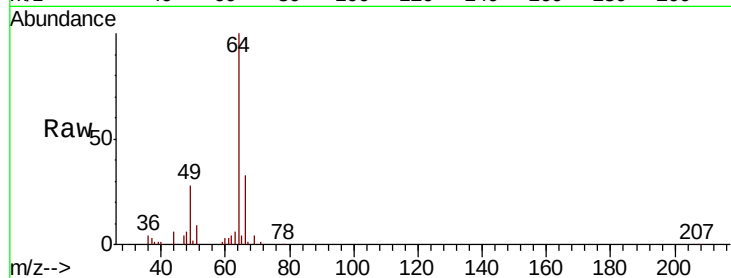
VSTD00511

Tot Ion: 64 Resp: 37268

Ion Ratio Lower Upper

64 100

66 33.0 21.3 39.6



#9

Trichlorofluoromethane

Concen: 4.932 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040499.D

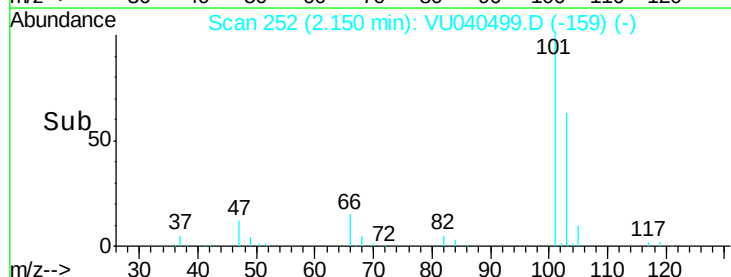
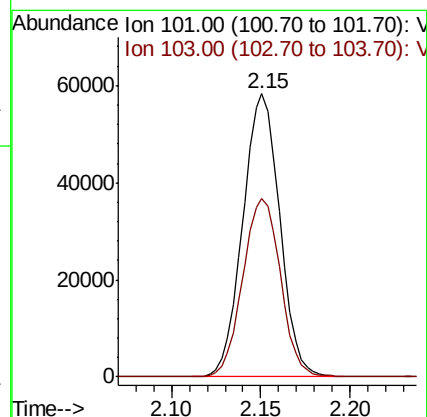
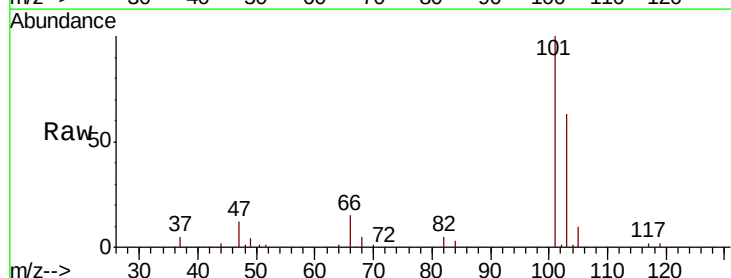
Acq: 03 Oct 2020 22:52

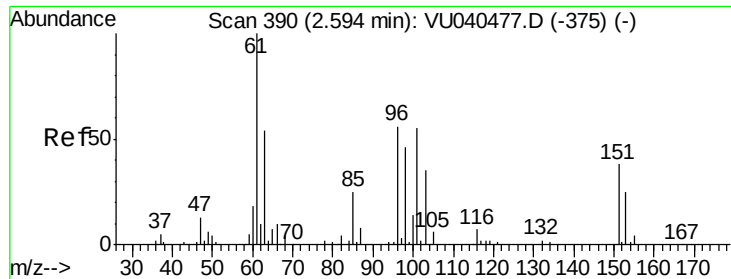
Tgt Ion: 101 Resp: 84053

Ion Ratio Lower Upper

101 100

103 64.2 52.6 79.0





#10

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

Concen: 4.853 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

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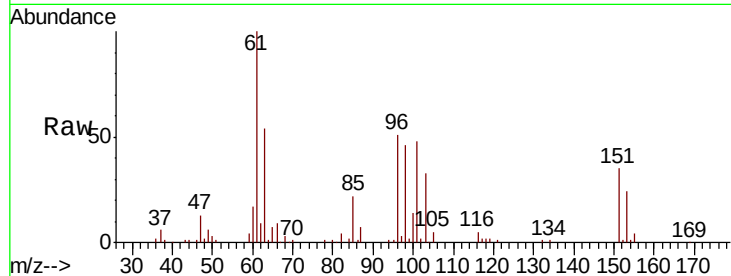
Tot Ion:101 Resp: 52810

Ion Ratio Lower Upper

101 100

85 45.0 35.0 52.6

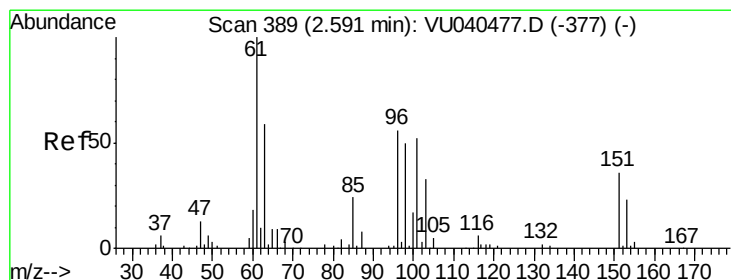
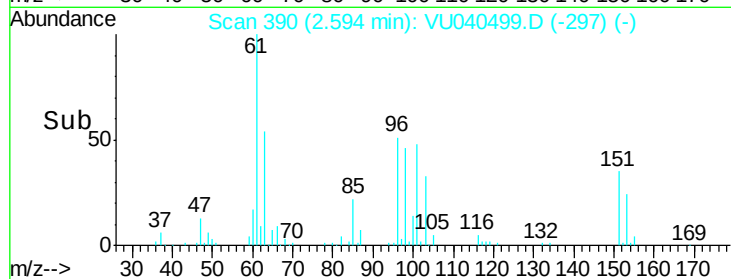
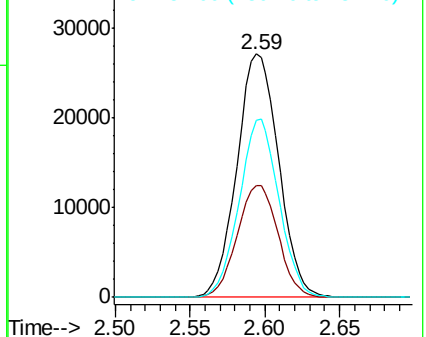
151 69.7 55.4 83.2



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: 4.858 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

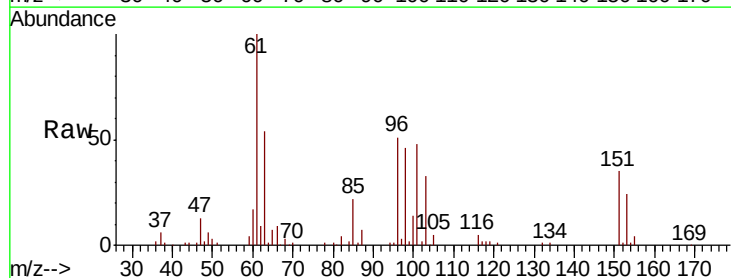
Tgt Ion: 96 Resp: 47282

Ion Ratio Lower Upper

96 100

61 195.5 128.6 238.8

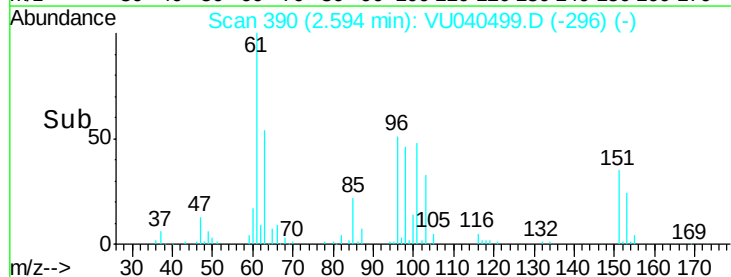
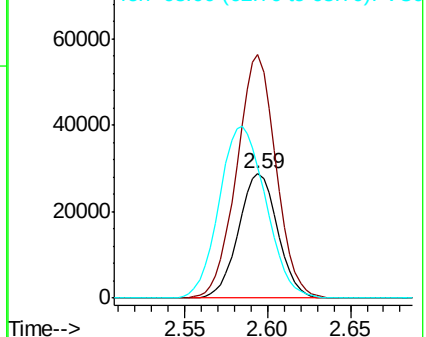
63 105.2 67.8 126.0

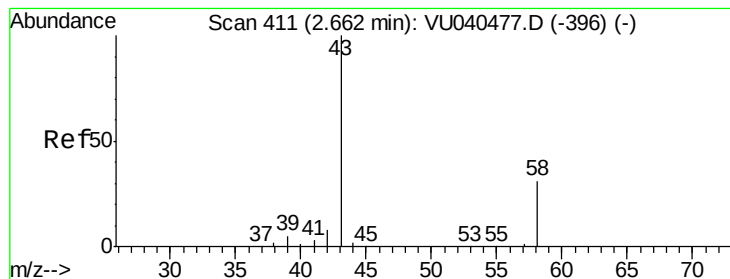


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.958 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU040499.D

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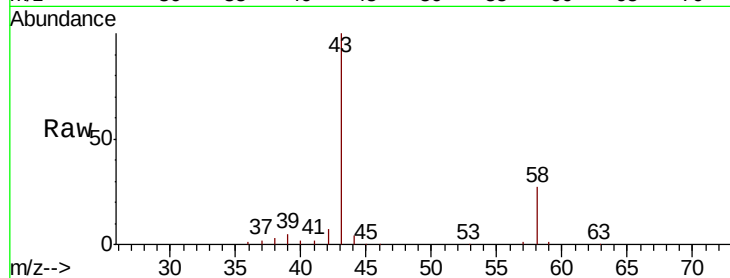
VSTD00511

Tot Ion: 43 Resp: 125603

Ion Ratio Lower Upper

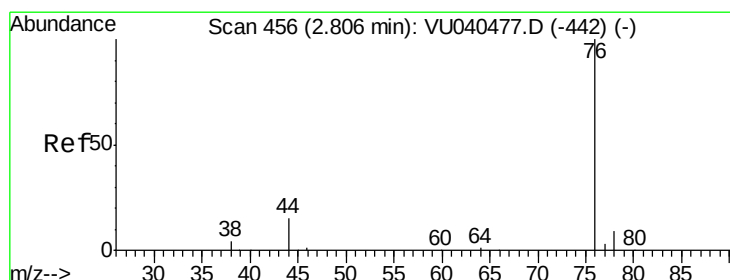
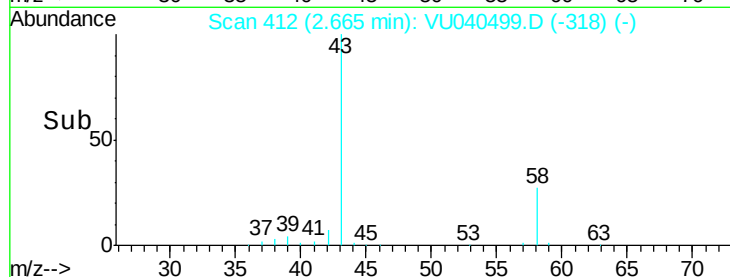
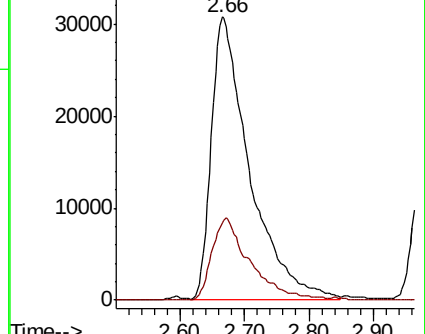
43 100

58 28.0 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040499.D (-318) (-)

Ion 58.05 (57.75 to 58.75): VU040499.D (-318) (-)



#14

Carbon disulfide

Concen: 4.614 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040499.D

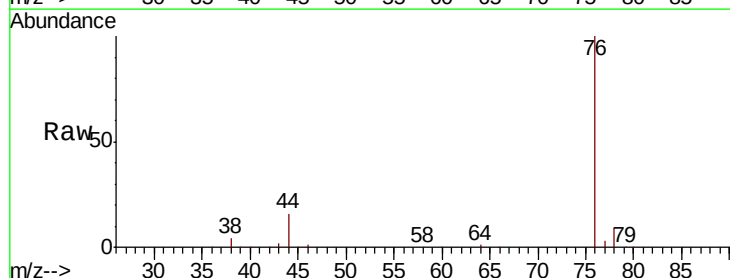
Acq: 03 Oct 2020 22:52

Tgt Ion: 76 Resp: 141952

Ion Ratio Lower Upper

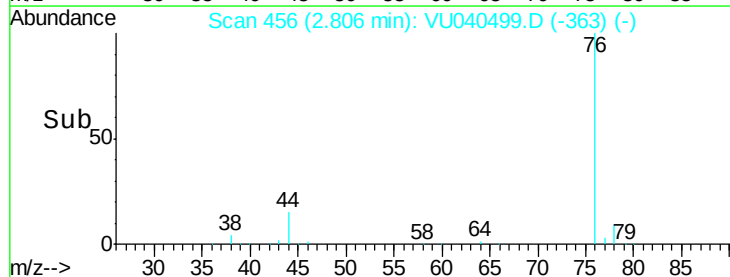
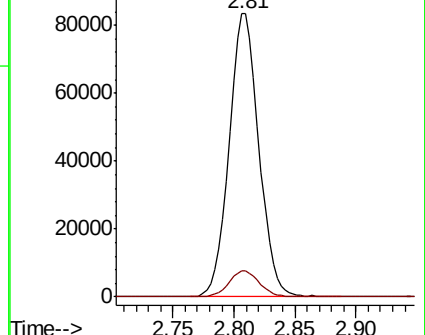
76 100

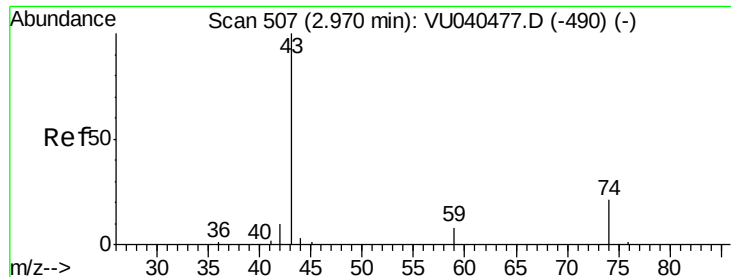
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040499.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040499.D (-363) (-)

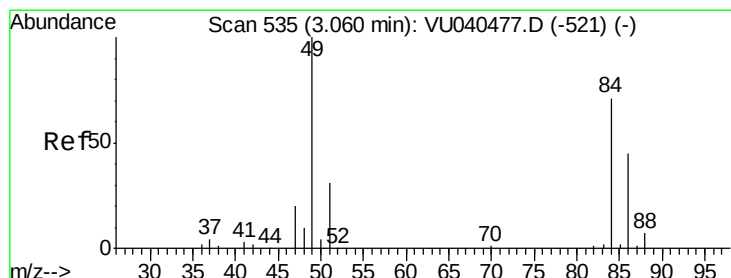
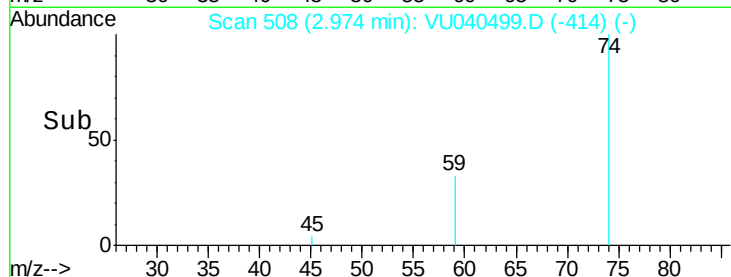
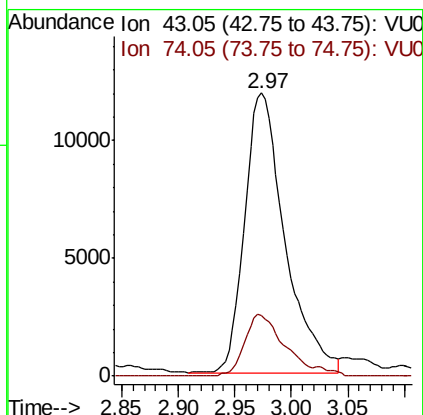
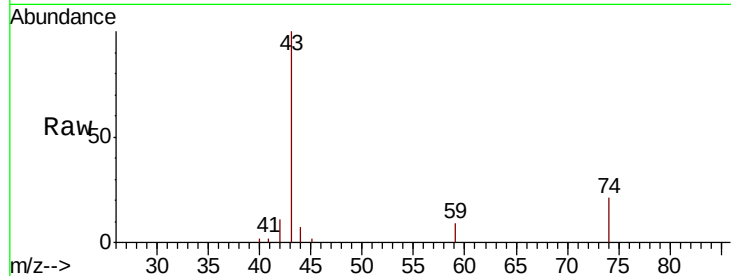




#15
Methyl Acetate
Concen: 4.656 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

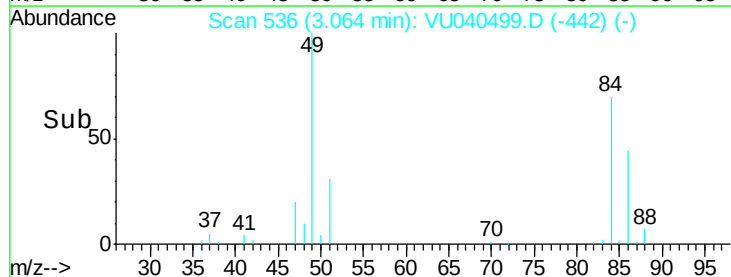
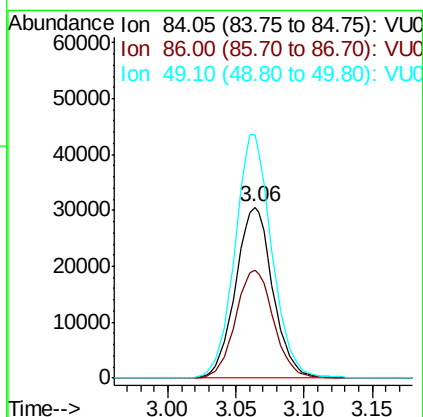
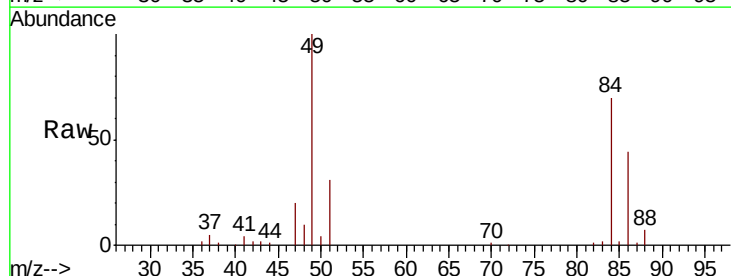
Instrument :
MSVOA_U
ClientSampled :
VSTD00511

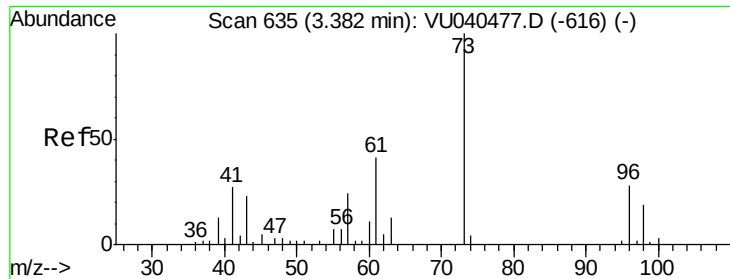
Tot Ion: 43 Resp: 29369
Ion Ratio Lower Upper
43 100
74 21.3 16.3 24.5



#16
Methylene chloride
Concen: 4.730 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Tgt Ion: 84 Resp: 57832
Ion Ratio Lower Upper
84 100
86 63.2 44.4 82.5
49 142.5 92.2 171.2

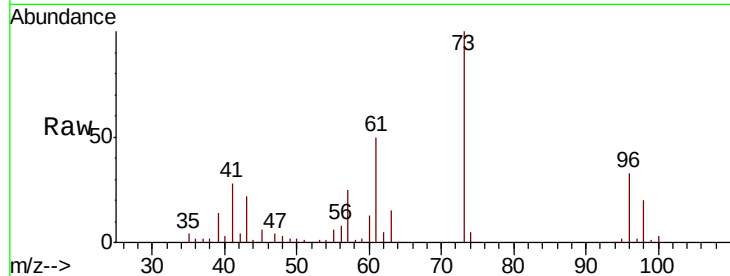




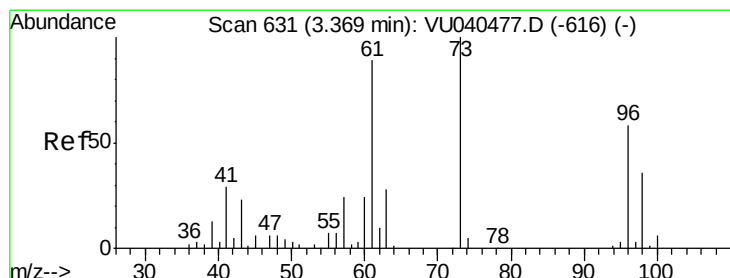
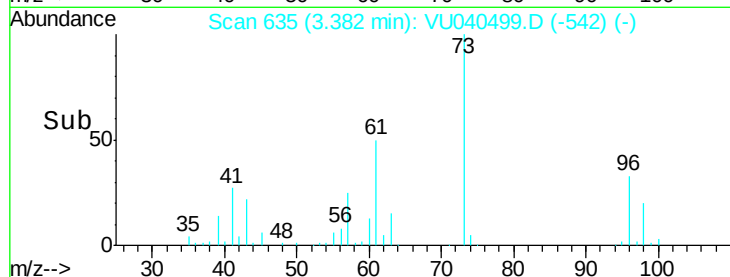
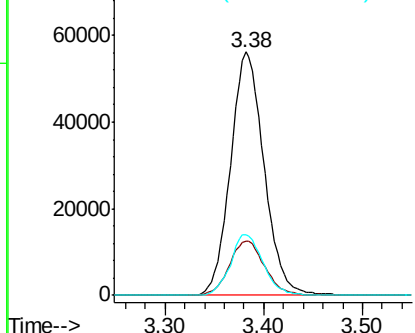
#17
Methyl tert-butyl Ether
Concen: 4.958 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Instrument :
MSVOA_U
ClientSampled :
VSTD00511

Tot Ion: 73 Resp: 132954
Ion Ratio Lower Upper
73 100
43 23.3 19.0 28.4
57 24.4 18.9 28.3

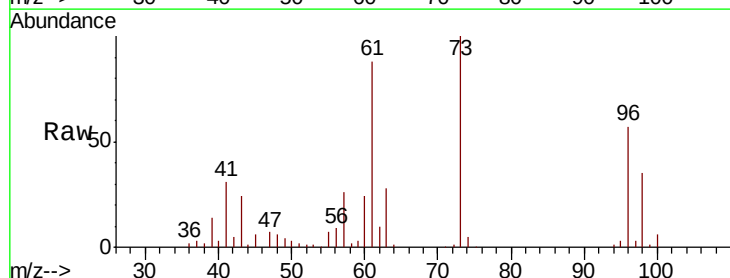


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

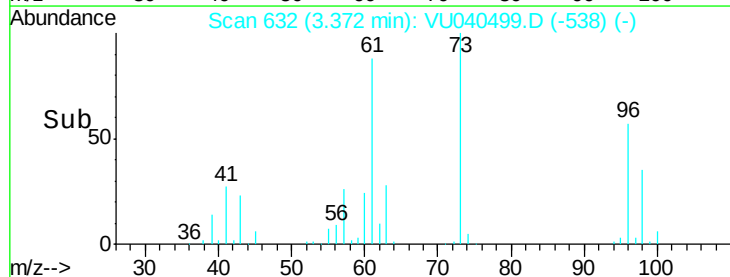
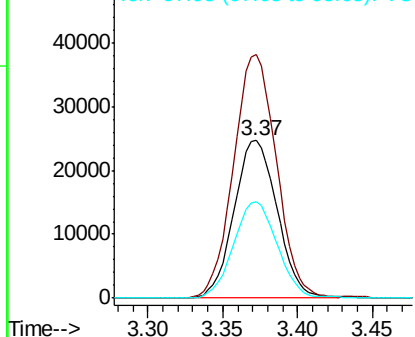


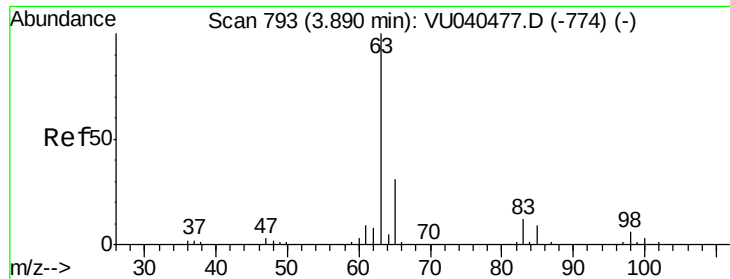
#18
trans-1,2-Dichloroethene
Concen: 4.924 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Tgt Ion: 96 Resp: 49555
Ion Ratio Lower Upper
96 100
61 154.6 109.3 203.1
98 61.3 45.8 85.0



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

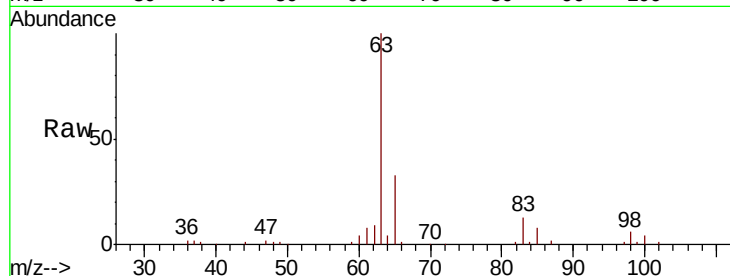




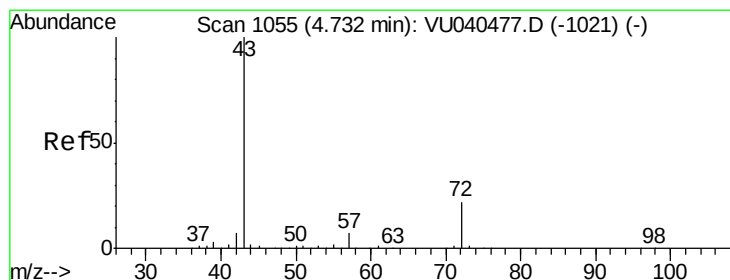
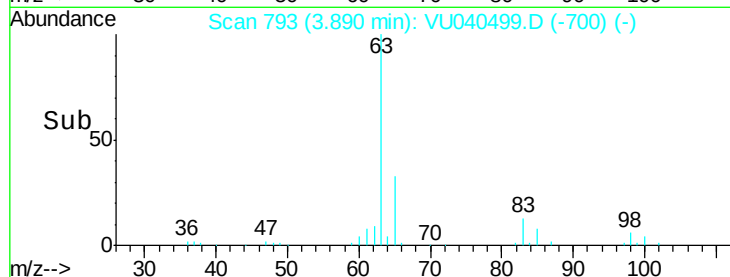
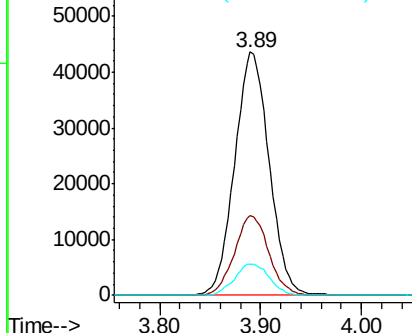
#19
 1,1-Dichloroethane
 Concen: 5.008 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 63 Resp: 103445
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.7 40.3
 83 13.0 9.1 16.9

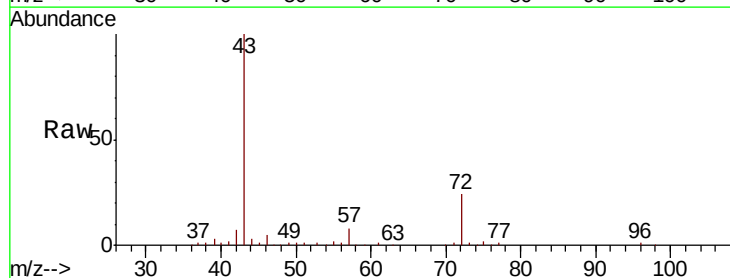


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

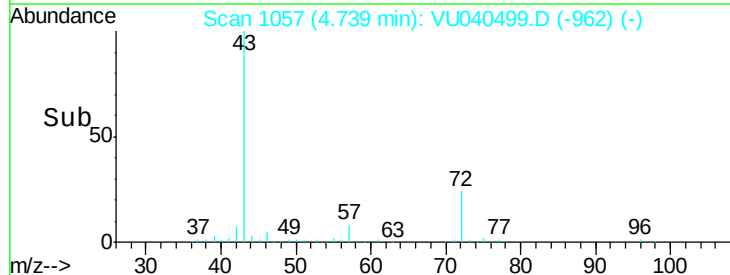
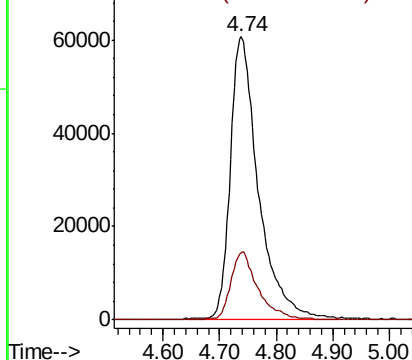


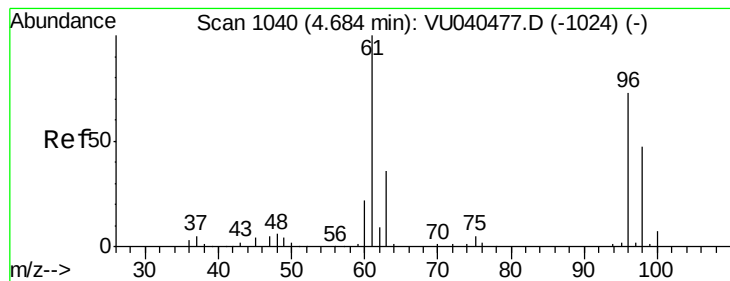
#21
 2-Butanone
 Concen: 49.423 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 43 Resp: 207765
 Ion Ratio Lower Upper
 43 100
 72 23.4 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.874 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

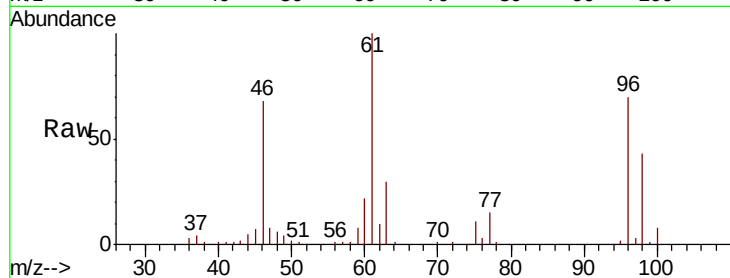
Tot Ion: 96 Resp: 54271

Ion Ratio Lower Upper

96 100

61 142.9 99.3 184.5

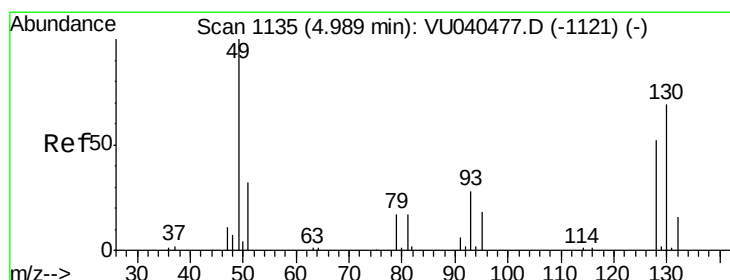
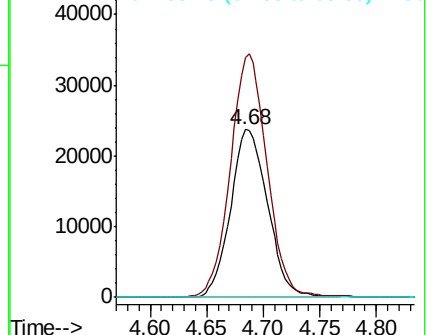
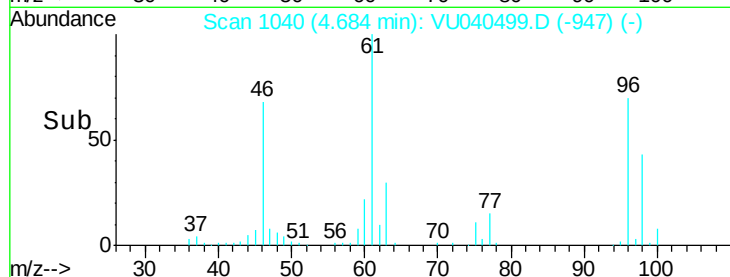
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040499.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040499.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040499.D (-947) (-)



#23

Bromochloromethane

Concen: 5.111 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Tgt Ion: 128 Resp: 26055

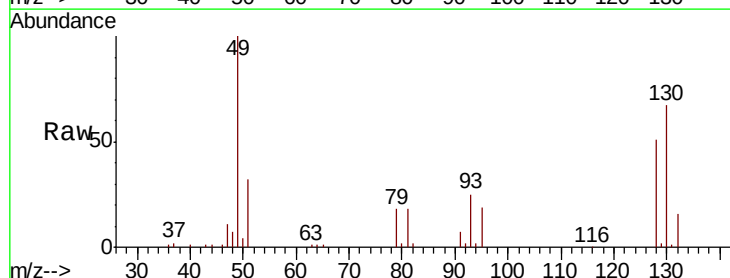
Ion Ratio Lower Upper

128 100

49 196.8 134.6 250.0

130 132.5 91.1 169.1

51 62.5 50.6 75.8

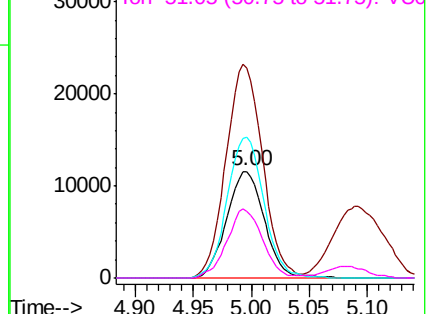
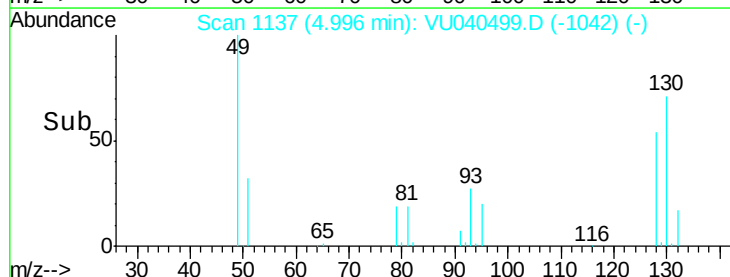


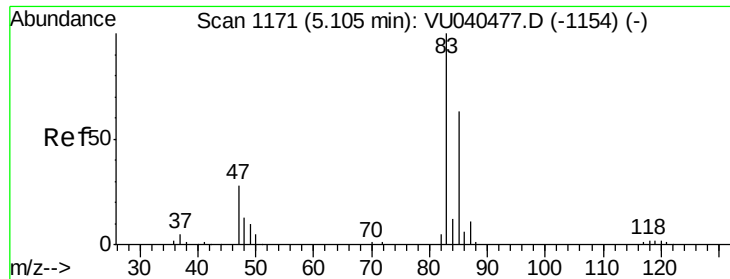
Abundance Ion 127.90 (127.60 to 128.60): VU040499.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040499.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040499.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040499.D (-1042) (-)

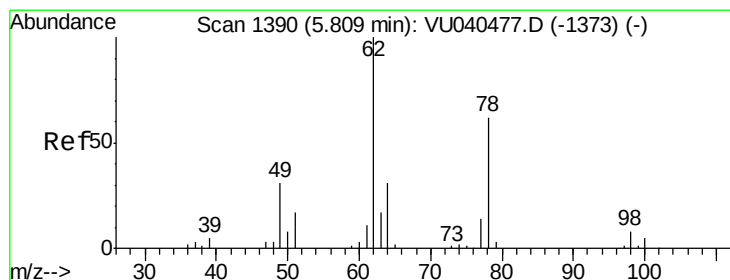
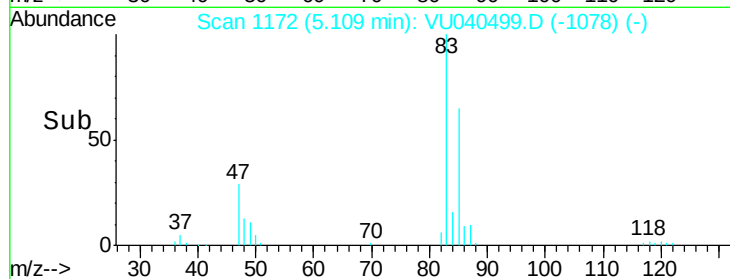
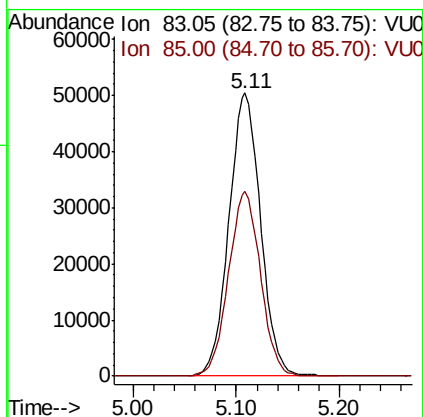
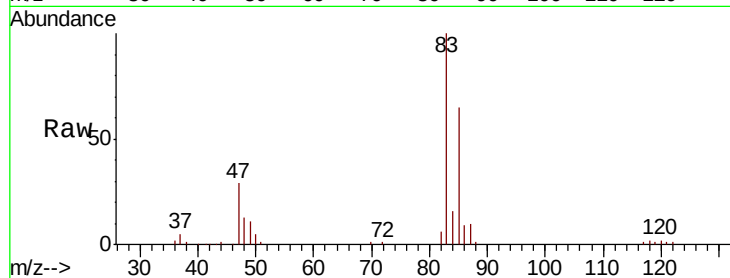




#25
Chloroform
Concen: 5.118 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

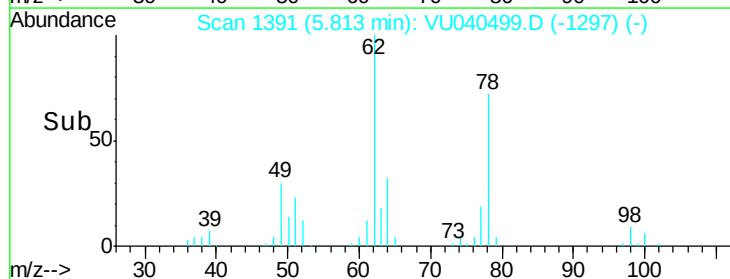
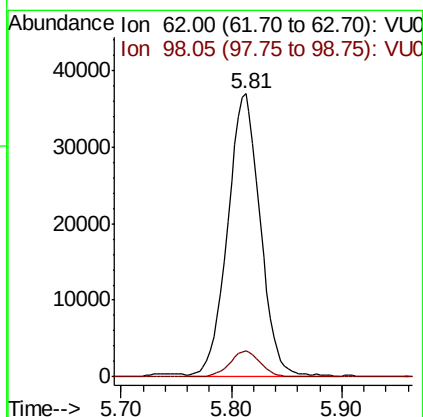
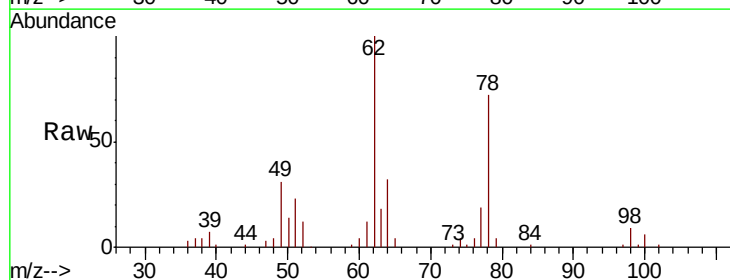
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

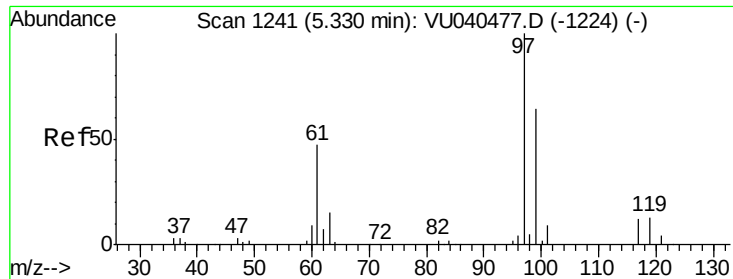
Tot Ion: 83 Resp: 107826
Ion Ratio Lower Upper
83 100
85 65.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.149 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Tgt Ion: 62 Resp: 75122
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3

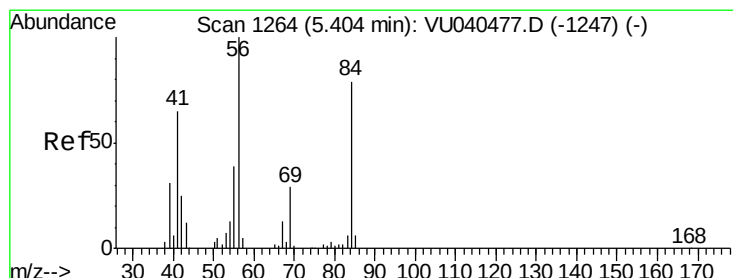
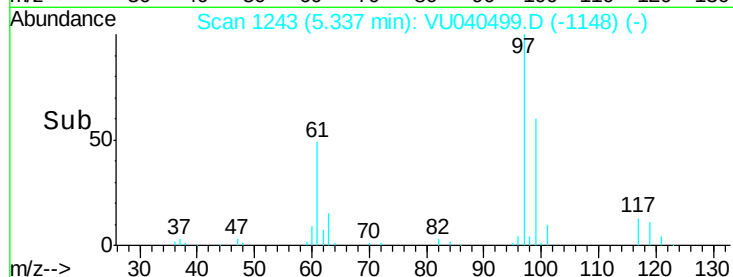
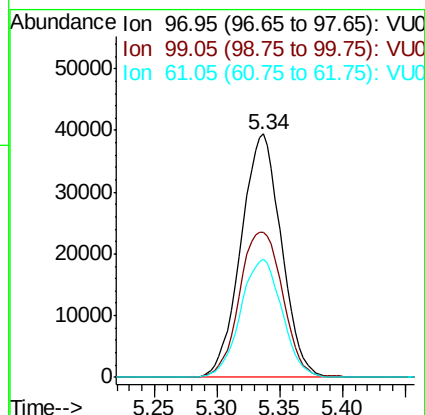
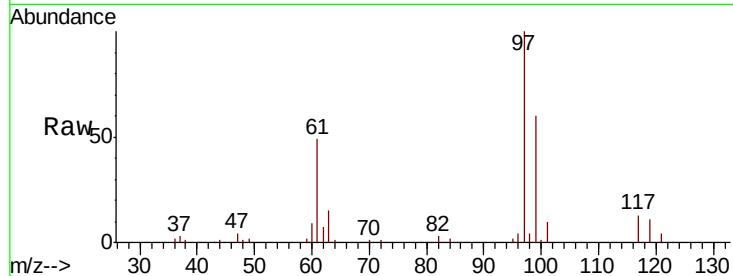




#29
 1,1,1-Trichloroethane
 Concen: 5.053 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

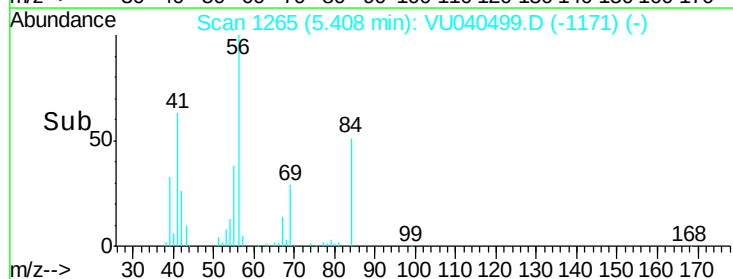
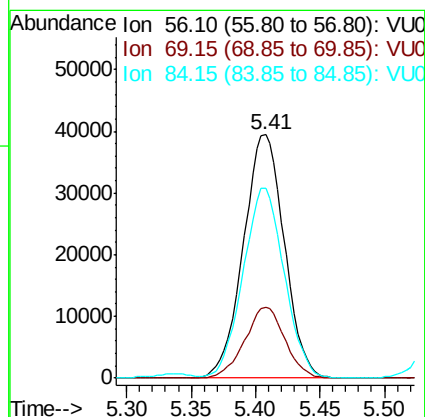
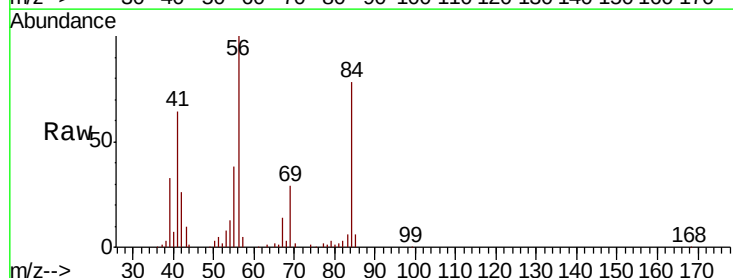
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

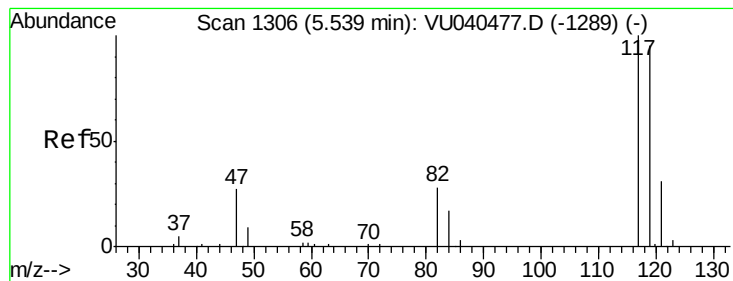
Tot Ion: 97 Resp: 88136
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.7 76.1
 61 49.8 39.7 59.5



#30
 Cyclohexane
 Concen: 4.838 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 56 Resp: 87310
 Ion Ratio Lower Upper
 56 100
 69 28.6 23.3 34.9
 84 78.8 64.2 96.4





#31

Carbon tetrachloride

Concen: 4.970 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

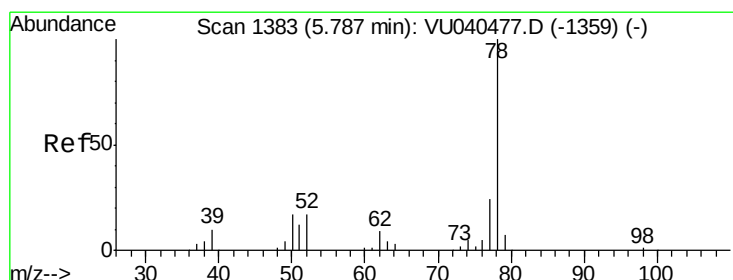
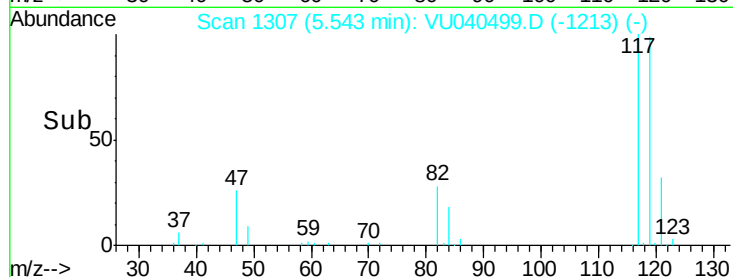
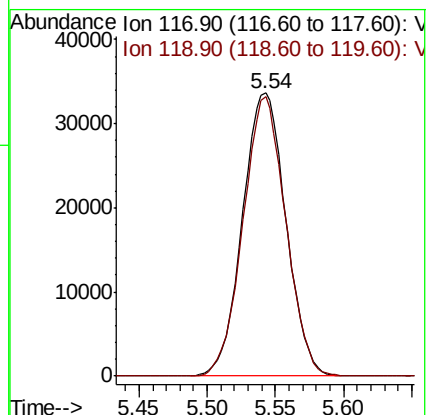
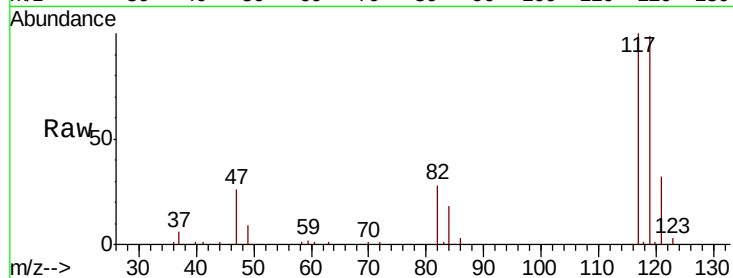
VSTD00511

Tot Ion:117 Resp: 74339

Ion Ratio Lower Upper

117 100

119 96.9 77.5 116.3



#33

Benzene

Concen: 5.064 ug/L

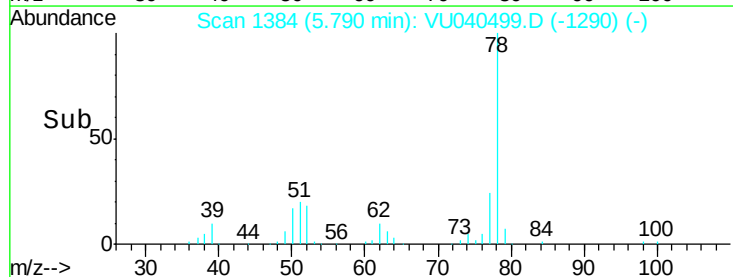
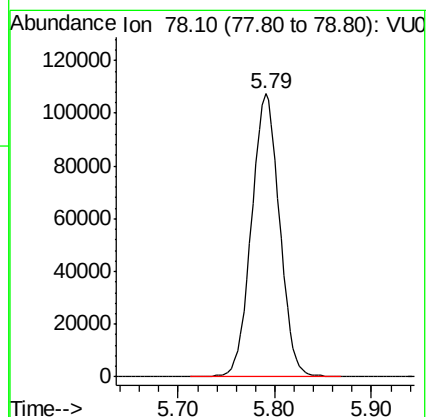
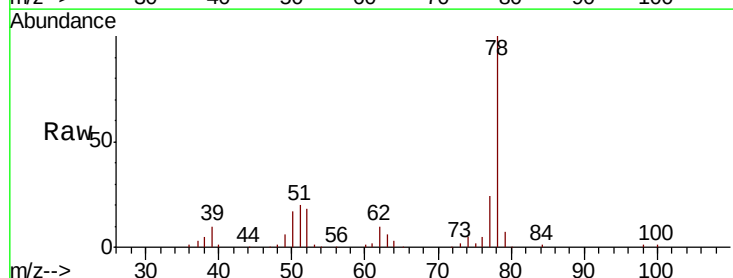
RT: 5.79 min Scan# 1384

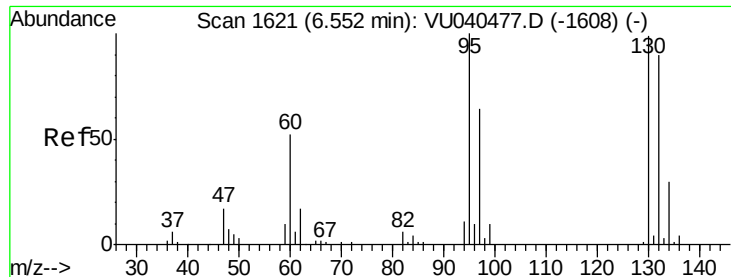
Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Tgt Ion: 78 Resp: 216794

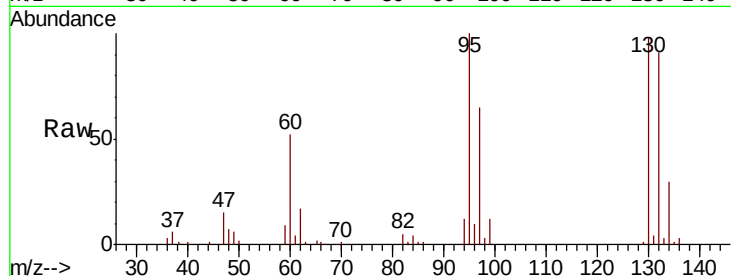




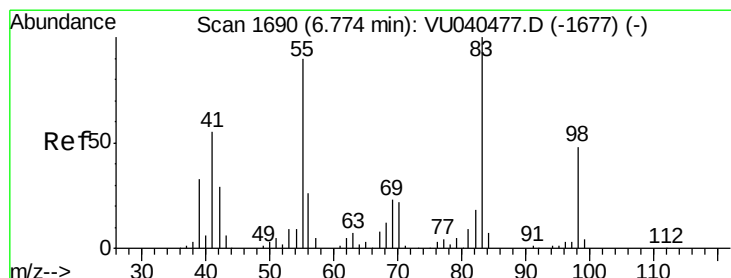
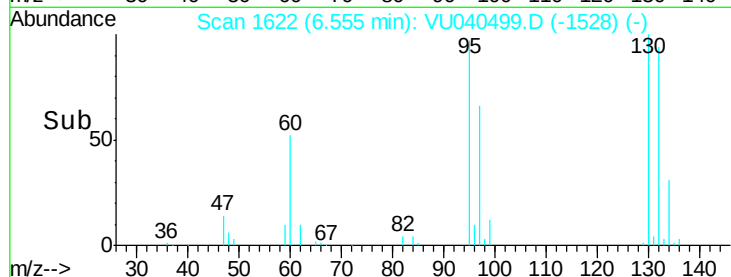
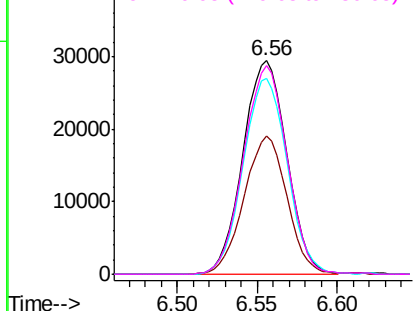
#34
 Trichloroethene
 Concen: 4.867 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 95 Resp: 55317
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.3 85.9
 132 91.5 60.5 112.3
 130 97.6 64.3 119.3

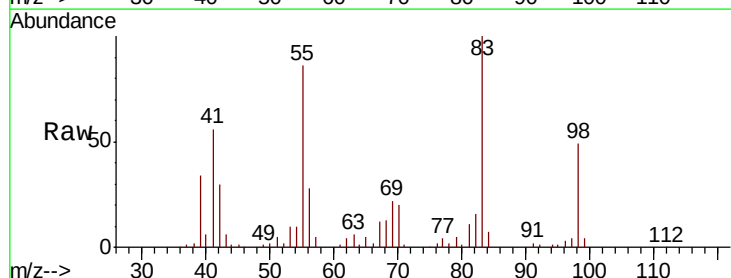


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

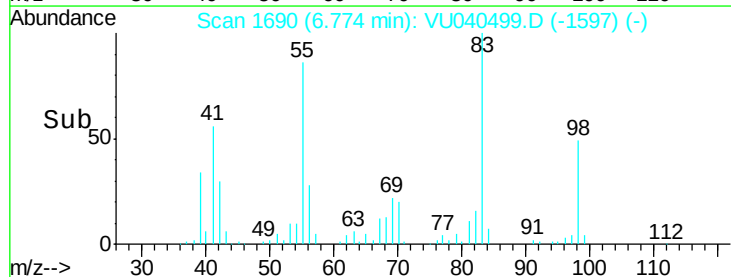
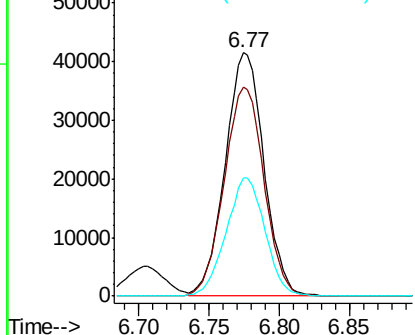


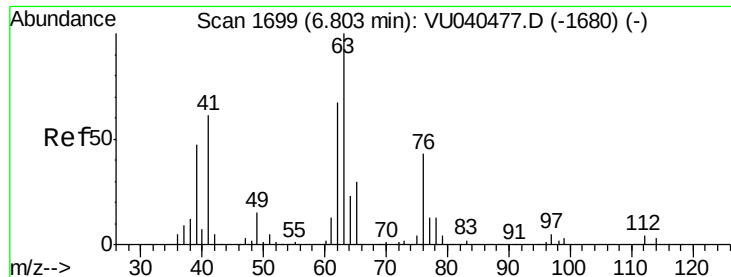
#35
 Methylcyclohexane
 Concen: 4.788 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 83 Resp: 79816
 Ion Ratio Lower Upper
 83 100
 55 88.2 71.4 107.2
 98 48.7 38.5 57.7



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

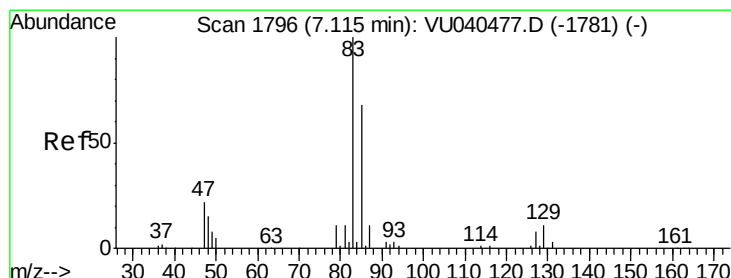
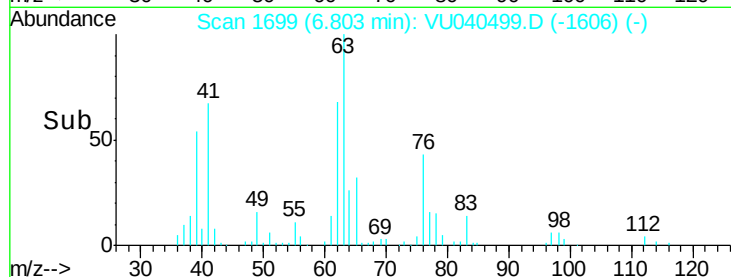
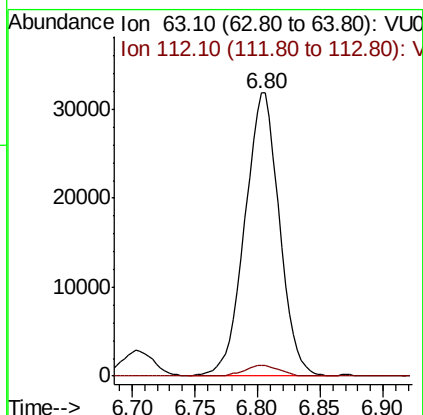
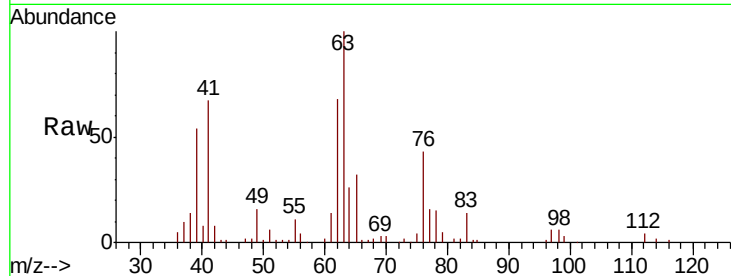




#37
 1,2-Dichloropropane
 Concen: 5.140 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

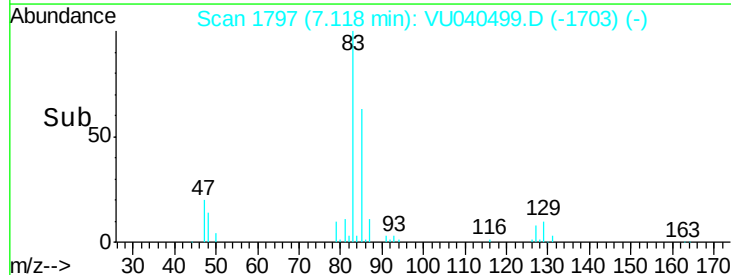
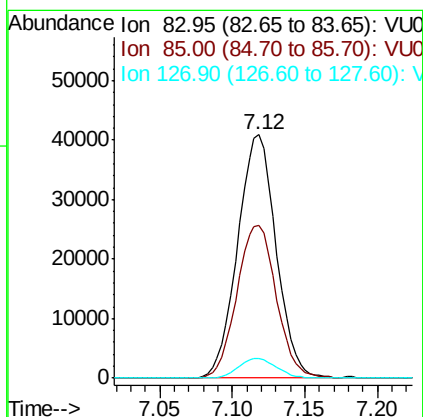
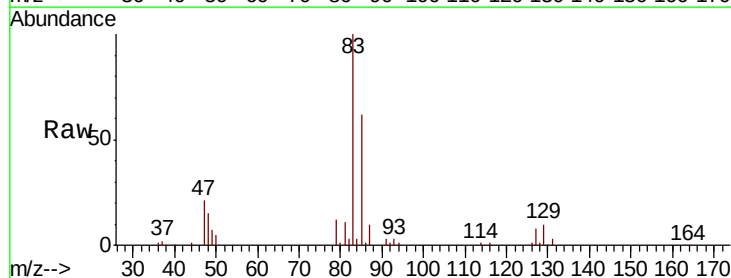
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

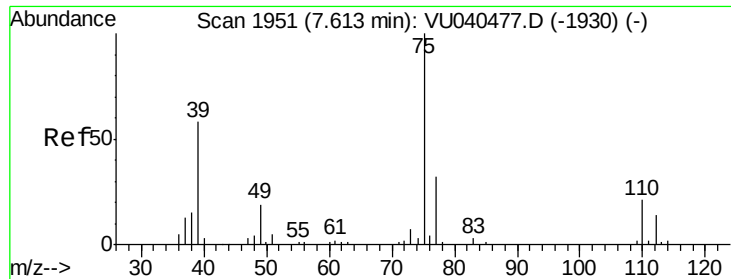
Tot Ion: 63 Resp: 61283
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.140 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 83 Resp: 75666
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.1 83.9
 127 8.0 6.6 9.8

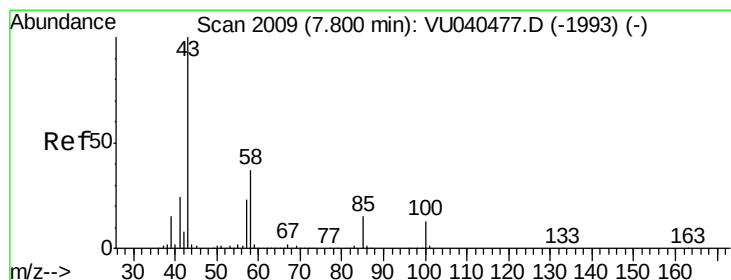
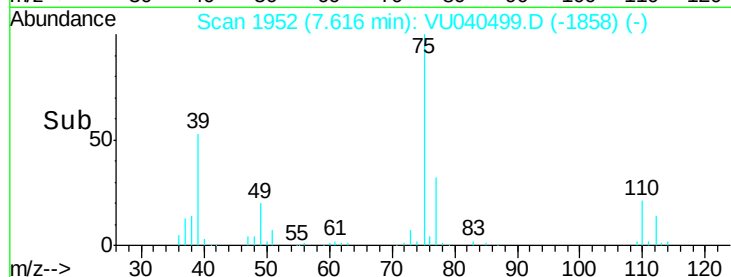
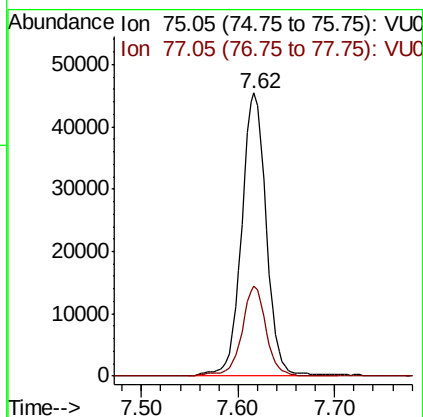
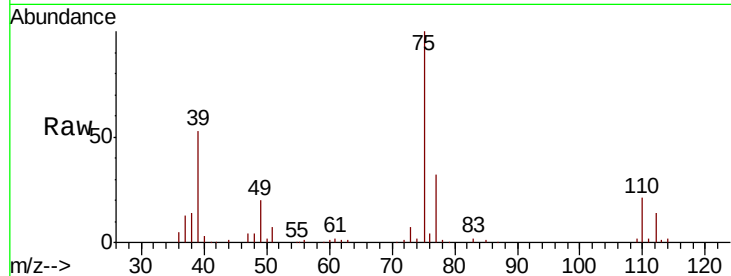




#39
 cis-1,3-Dichloropropene
 Concen: 5.033 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

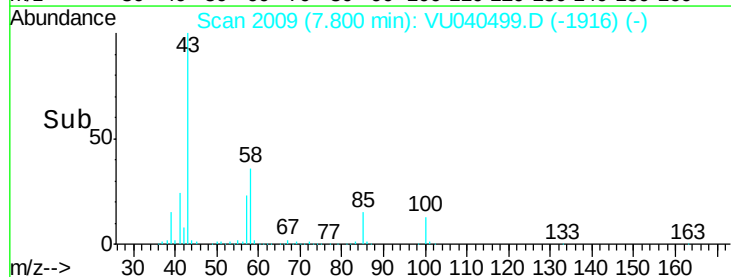
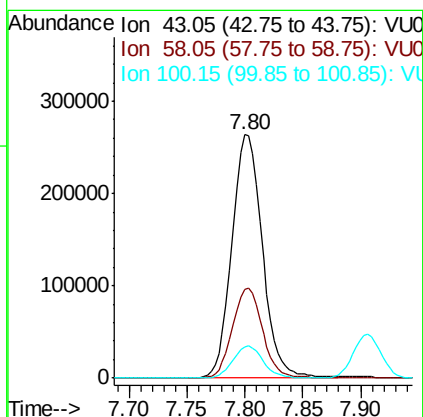
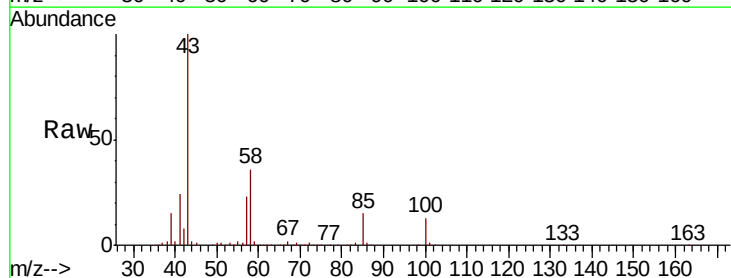
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

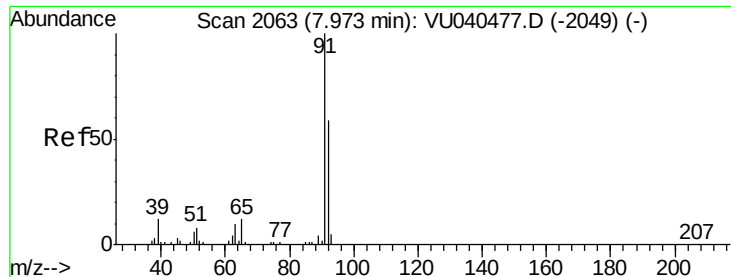
Tot Ion: 75 Resp: 80483
 Ion Ratio Lower Upper
 75 100
 77 31.7 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 51.414 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 43 Resp: 480043
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.2 43.8
 100 13.0 10.3 15.5





#42

Toluene

Concen: 5.145 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

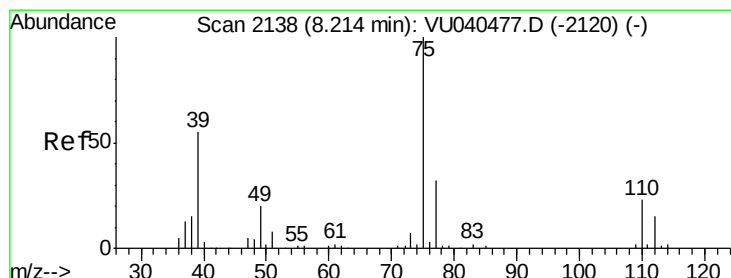
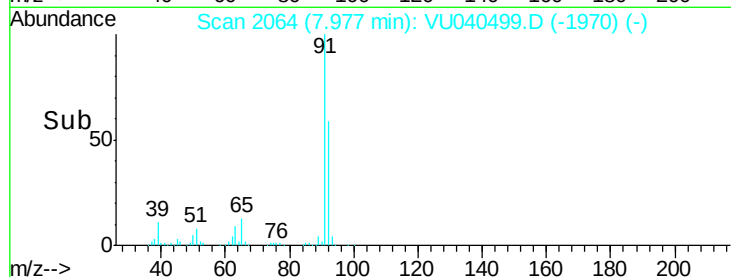
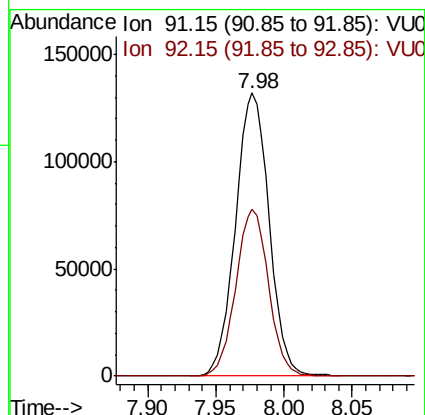
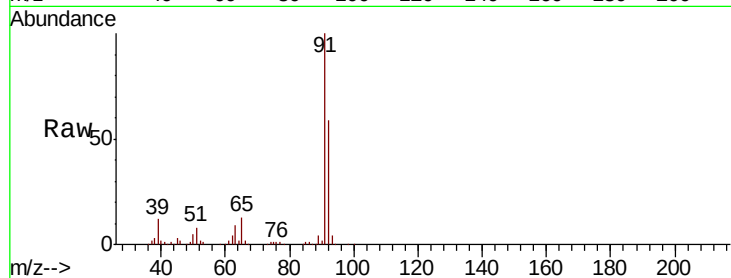
VSTD00511

Tot Ion: 91 Resp: 225861

Ion Ratio Lower Upper

91 100

92 59.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 4.974 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040499.D

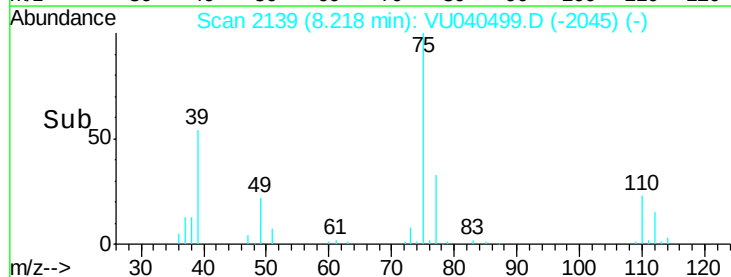
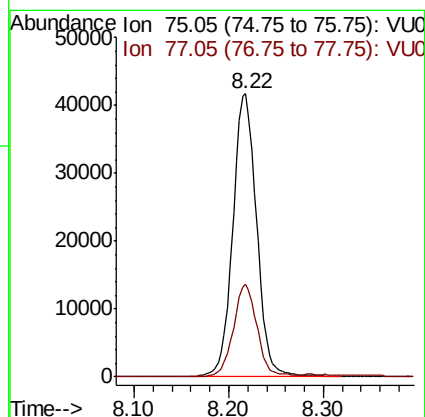
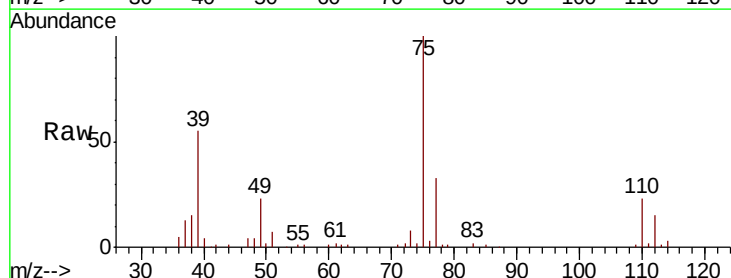
Acq: 03 Oct 2020 22:52

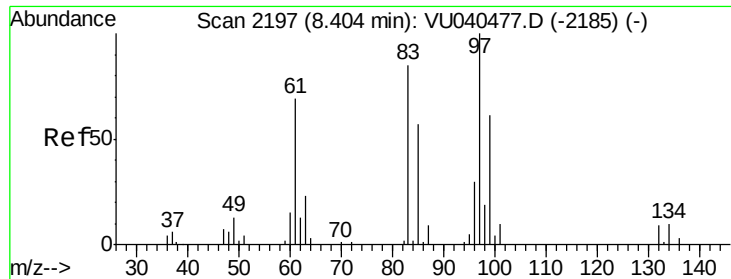
Tgt Ion: 75 Resp: 73323

Ion Ratio Lower Upper

75 100

77 32.9 22.3 41.3

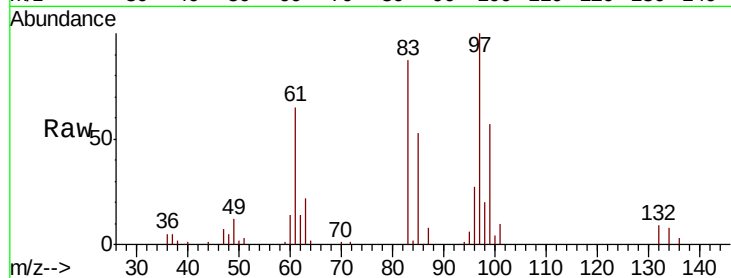




#45
 1,1,2-Trichloroethane
 Concen: 5.395 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00511

Tot Ion:	97	Resp:	45089
Ion	Ratio	Lower	Upper
97	100		
99	57.1	45.8	85.0
83	87.0	62.9	116.9
85	53.0	41.7	77.5



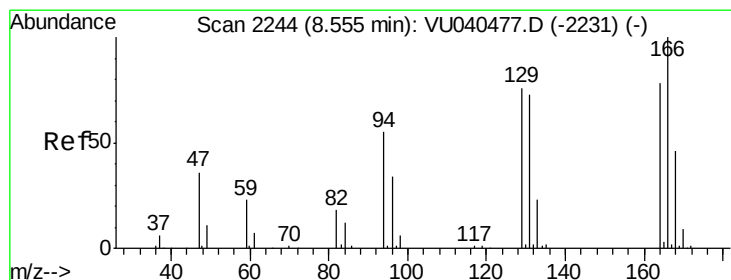
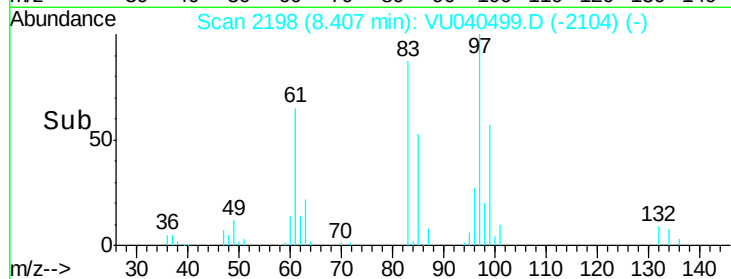
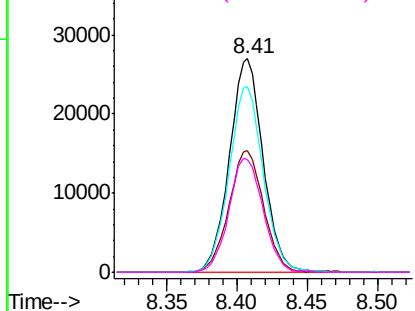
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

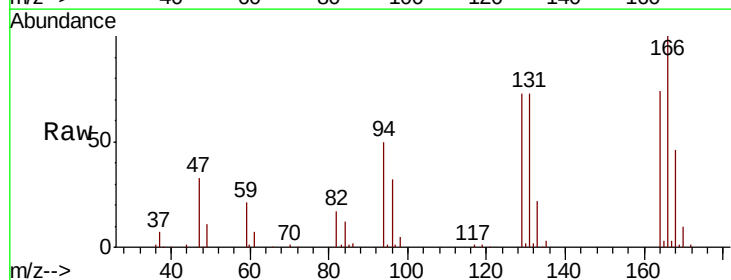
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.058 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion:	164	Resp:	40822
Ion	Ratio	Lower	Upper
164	100		
129	98.3	70.3	130.7
131	97.7	69.2	128.6
166	134.6	91.1	169.3



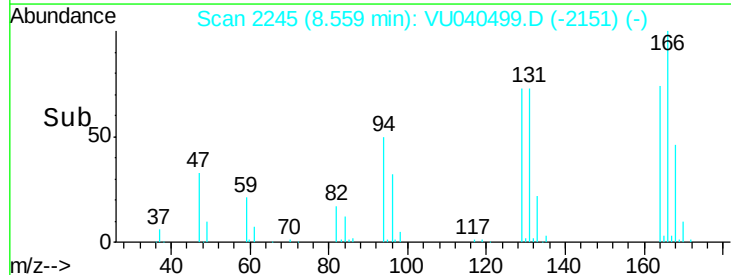
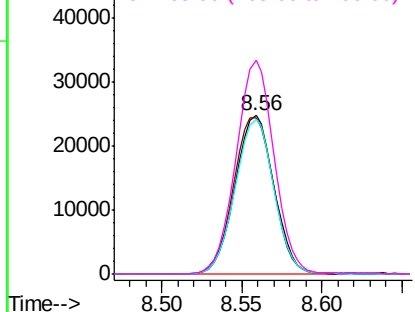
Abundance

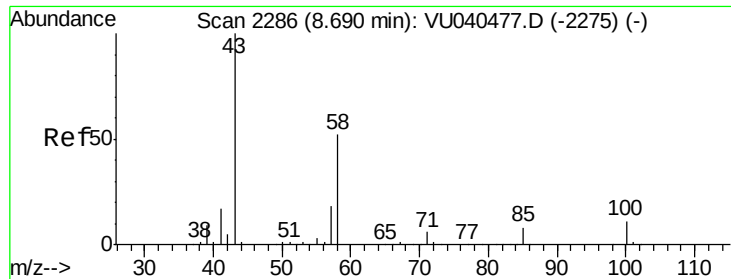
Ion 163.90 (163.60 to 164.60): V

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

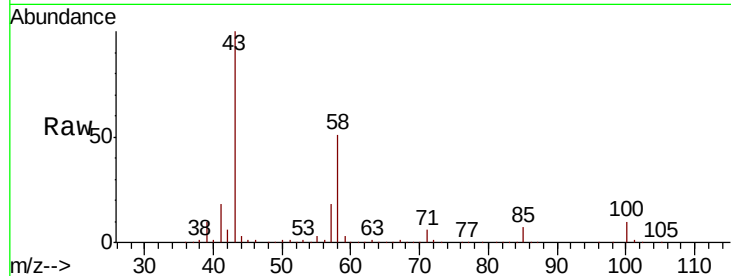




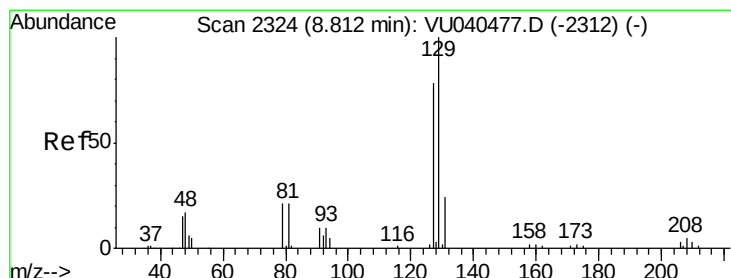
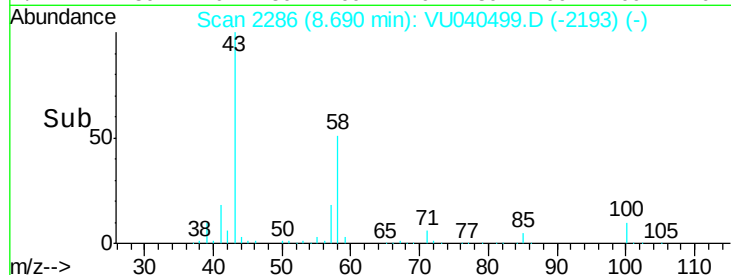
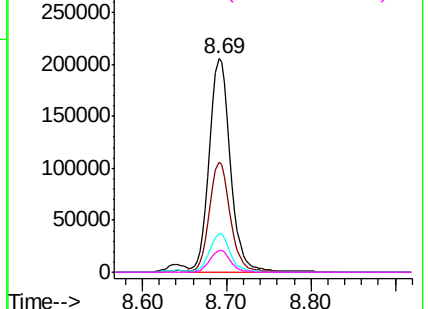
#48
2-Hexanone
Concen: 52.034 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 43 Resp: 358001
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.4
57 17.5 14.6 22.0
100 10.2 8.2 12.4

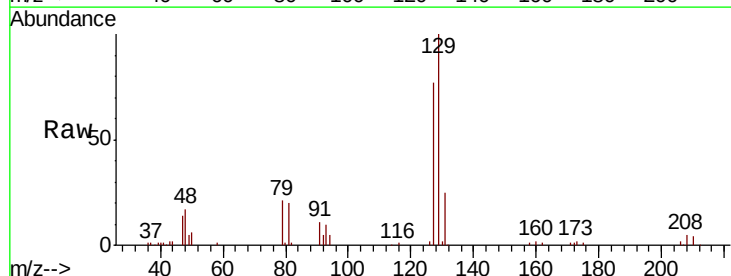


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

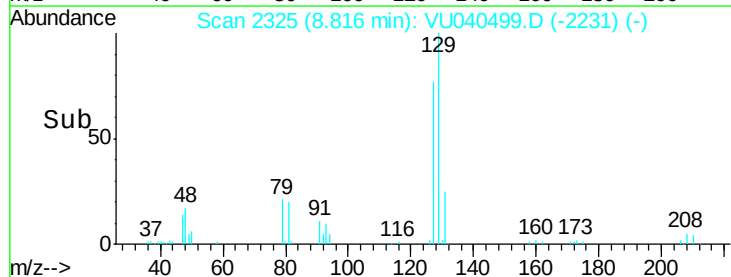
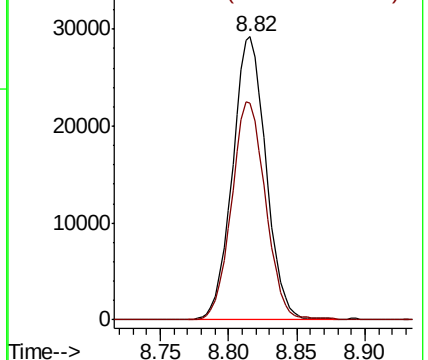


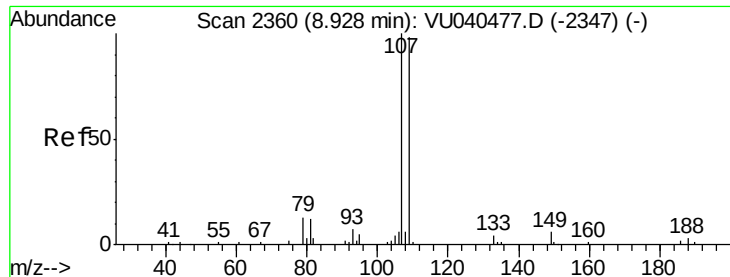
#49
Dibromochloromethane
Concen: 5.120 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Tgt Ion: 129 Resp: 49778
Ion Ratio Lower Upper
129 100
127 76.6 55.4 103.0



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

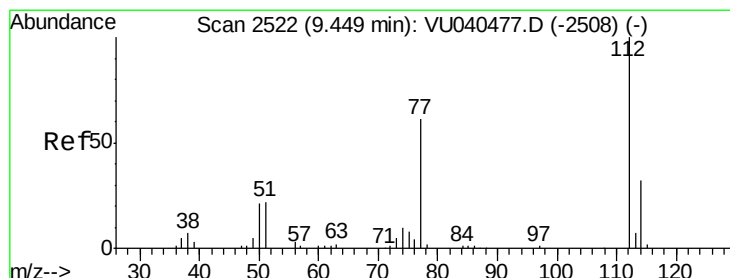
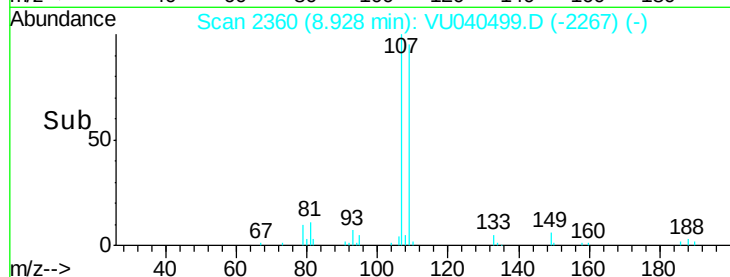
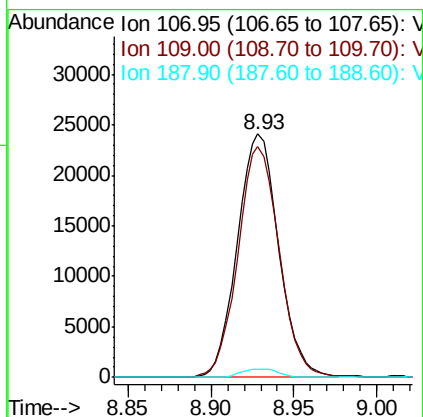
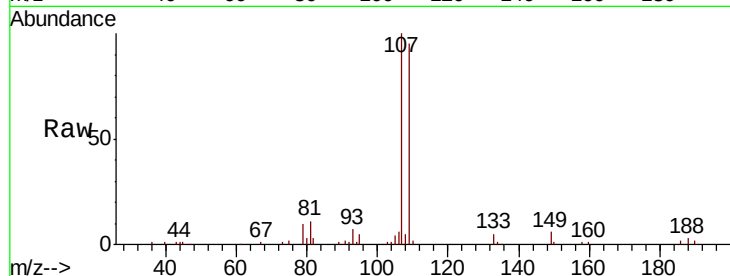




#50
 1,2-Dibromoethane
 Concen: 5.212 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

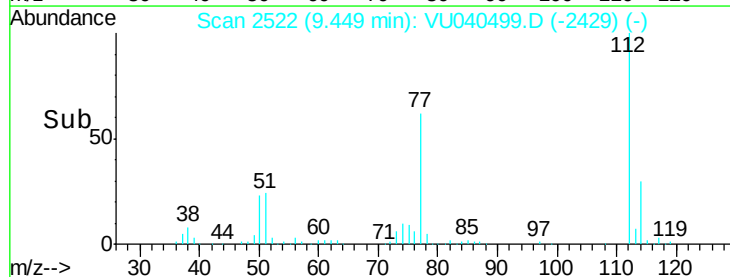
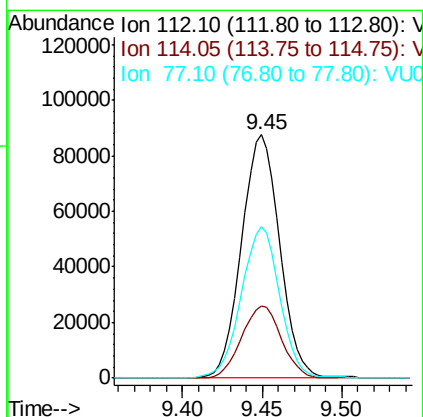
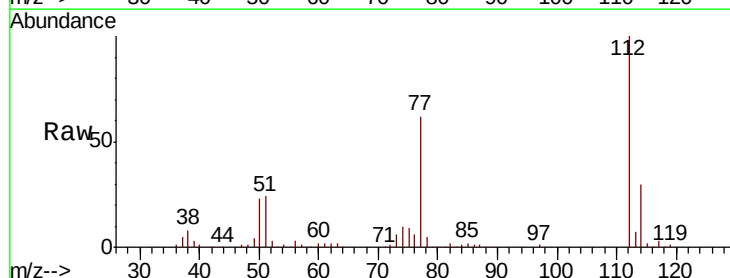
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

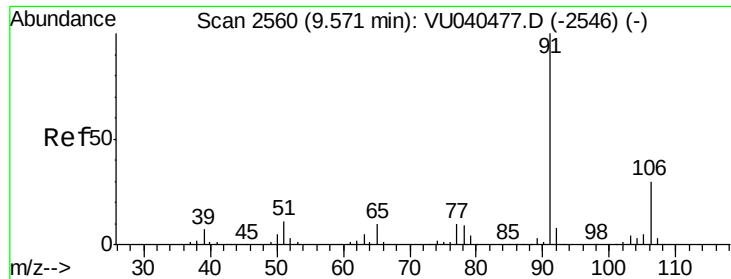
Tot Ion:107 Resp: 41788
 Ion Ratio Lower Upper
 107 100
 109 94.8 69.4 128.8
 188 3.4 3.3 4.9



#51
 Chlorobenzene
 Concen: 5.028 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion:112 Resp: 142705
 Ion Ratio Lower Upper
 112 100
 114 29.8 22.0 40.8
 77 62.3 49.5 74.3





#52

Ethylbenzene

Concen: 4.975 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

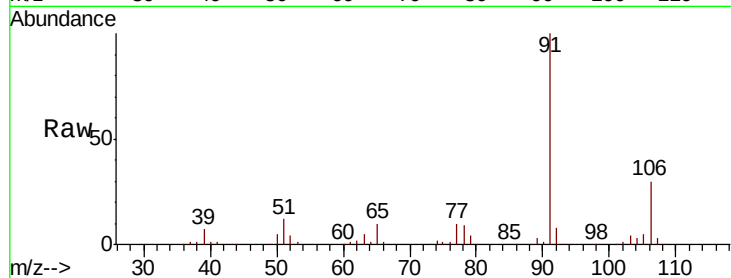
VSTD00511

Tot Ion: 91 Resp: 237024

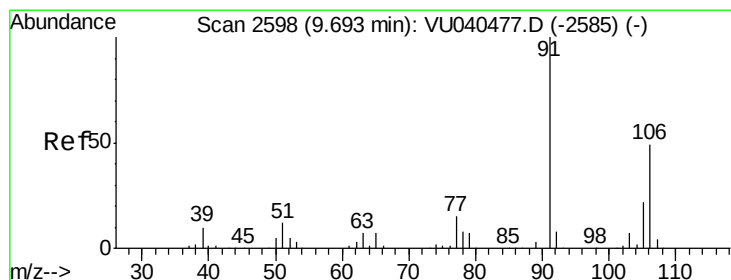
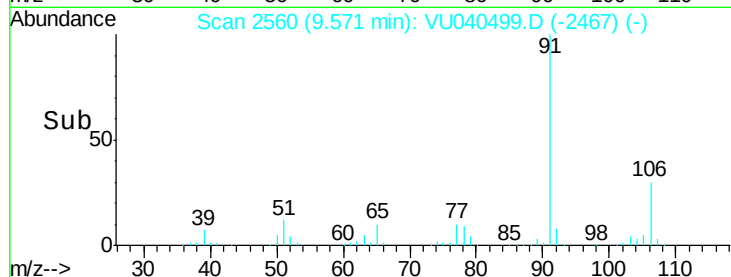
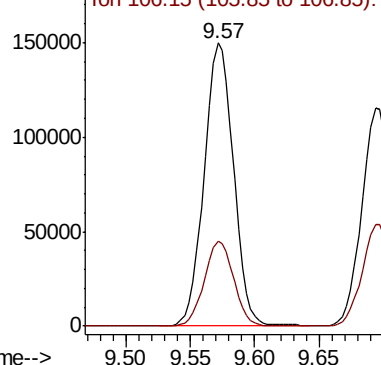
Ion Ratio Lower Upper

91 100

106 29.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040499.D (-2467) (-)



#53

m,p-Xylene

Concen: 4.990 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040499.D

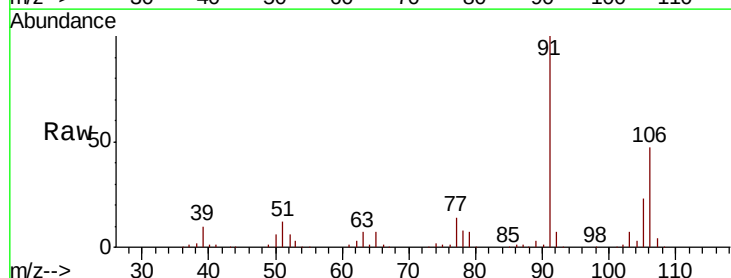
Acq: 03 Oct 2020 22:52

Tgt Ion: 106 Resp: 88564

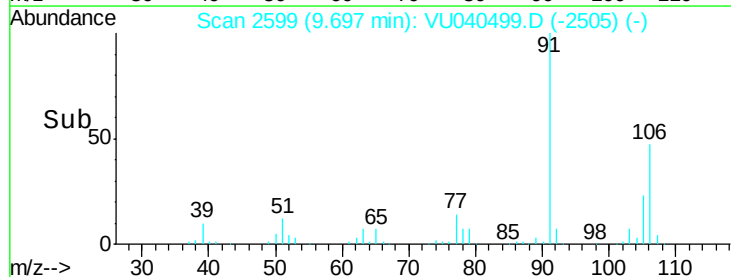
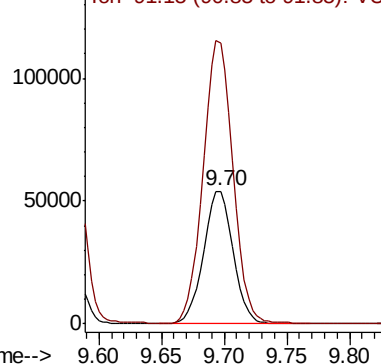
Ion Ratio Lower Upper

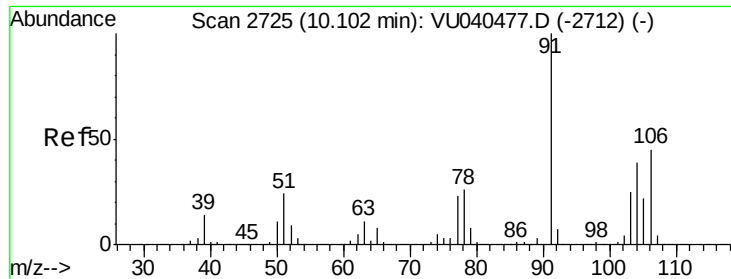
106 100

91 212.4 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040499.D (-2505) (-)

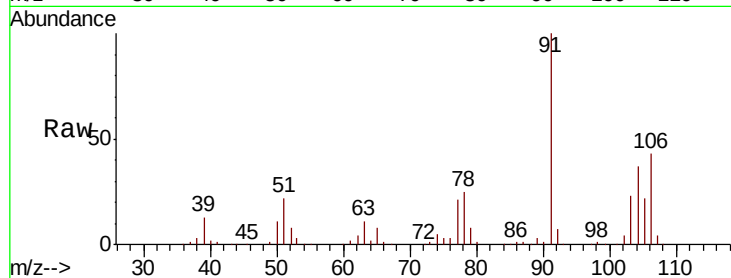




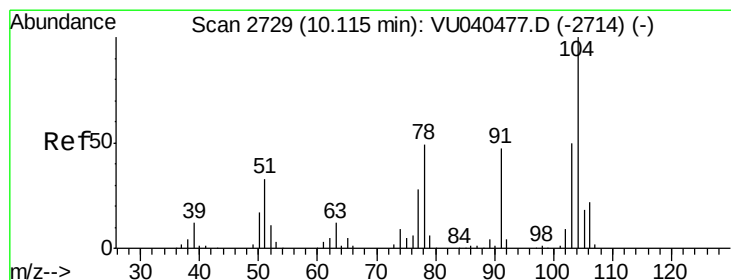
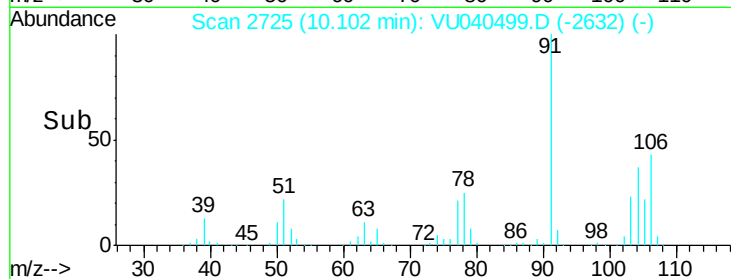
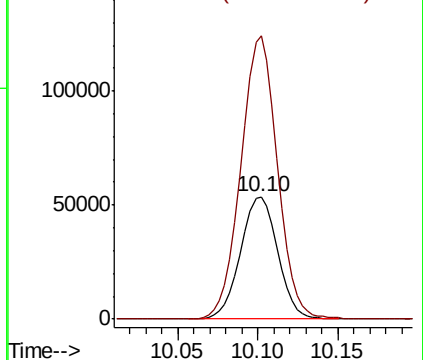
#54
o-Xylene
Concen: 5.099 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion:106 Resp: 85129
Ion Ratio Lower Upper
106 100
91 231.2 160.9 298.9

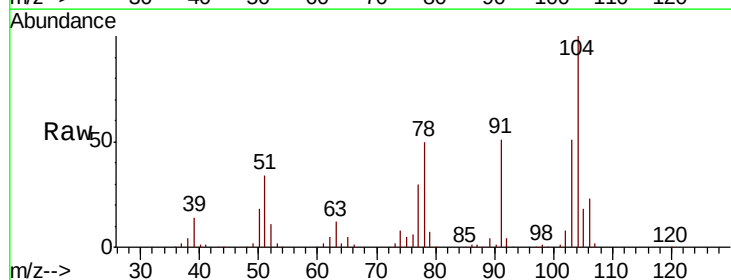


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

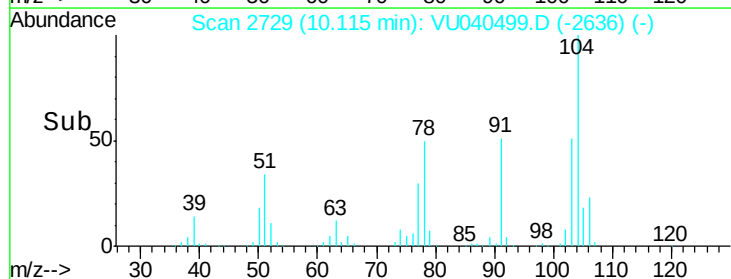
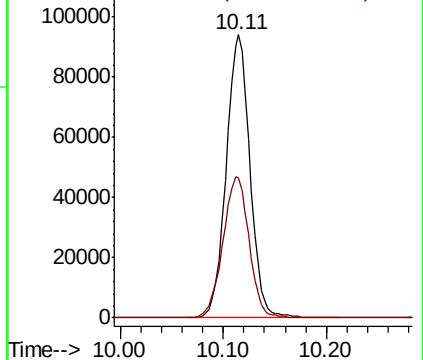


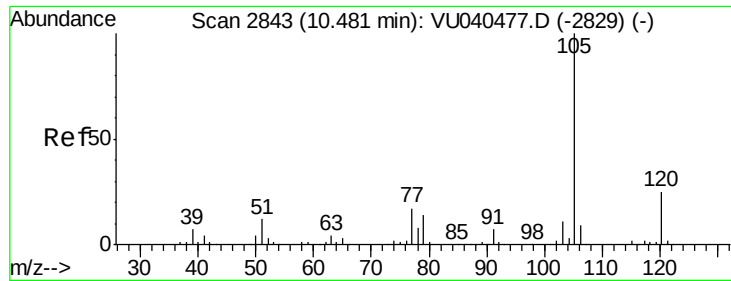
#55
Styrene
Concen: 5.196 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040499.D
Acq: 03 Oct 2020 22:52

Tgt Ion:104 Resp: 151312
Ion Ratio Lower Upper
104 100
78 49.5 34.4 63.8



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





#56

Isopropylbenzene

Concen: 5.062 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampled :

VSTD00511

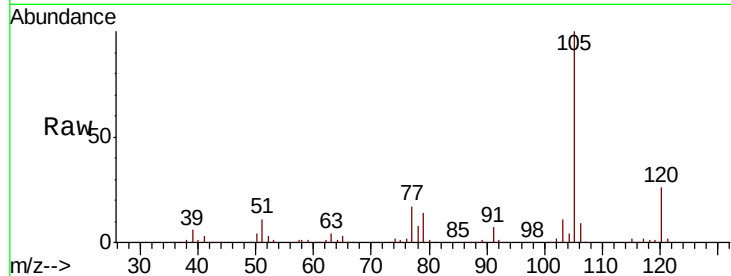
Tot Ion:105 Resp: 228049

Ion Ratio Lower Upper

105 100

120 26.1 20.6 30.8

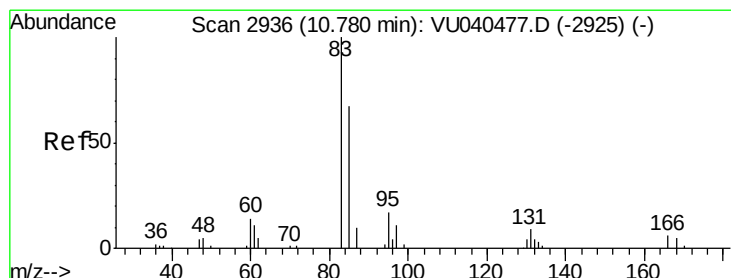
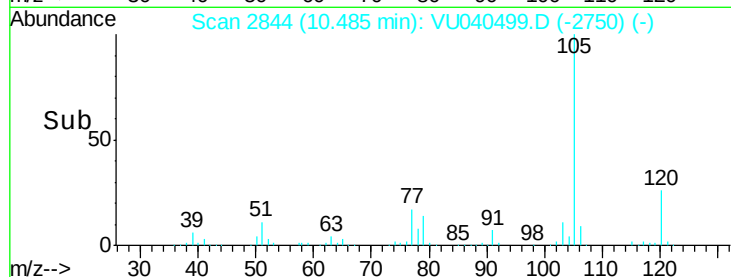
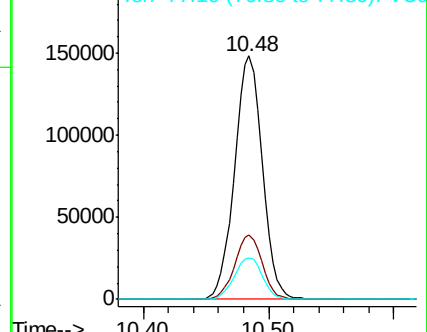
77 17.5 14.3 21.5



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: 4.965 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

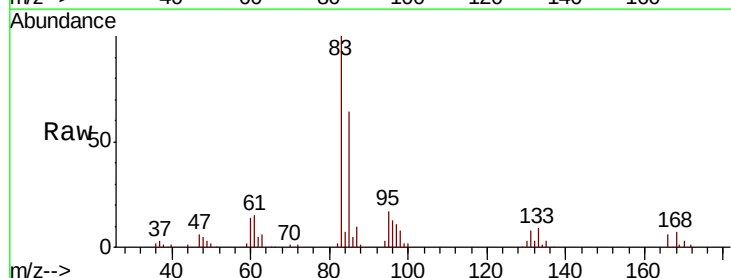
Tgt Ion: 83 Resp: 56240

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.9

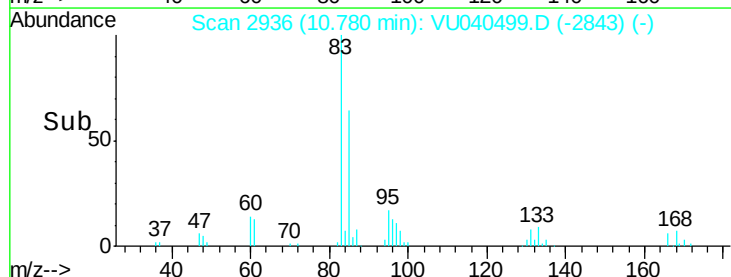
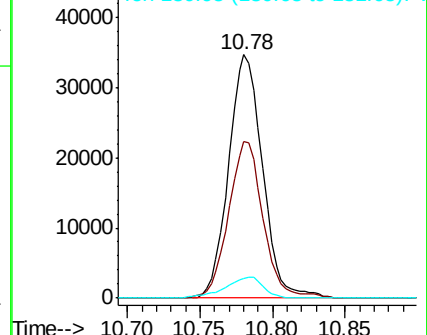
131 8.3 6.6 10.0

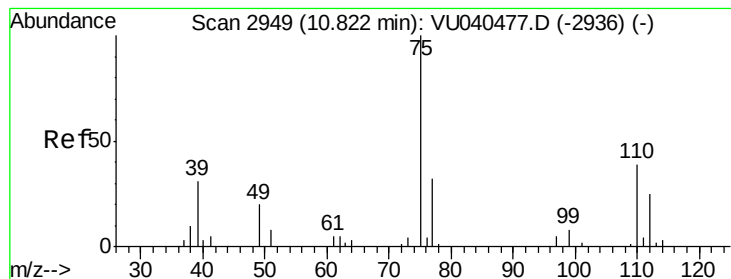


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.905 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

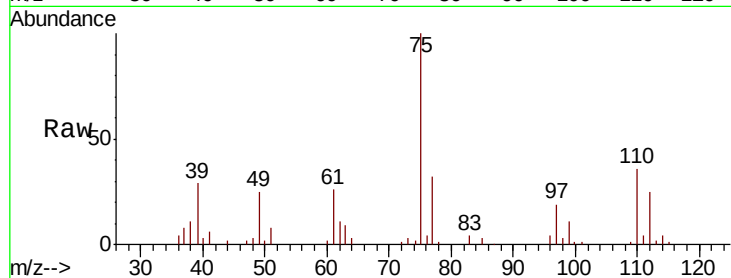
VSTD00511

Tot Ion: 75 Resp: 42390

Ion Ratio Lower Upper

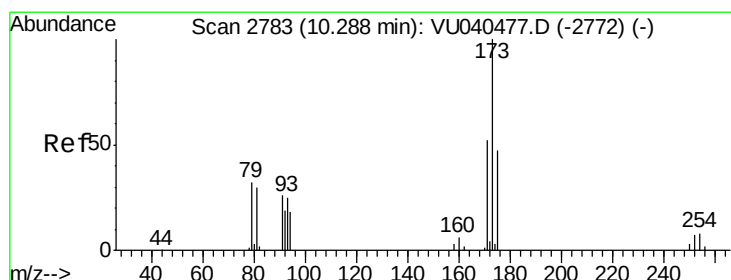
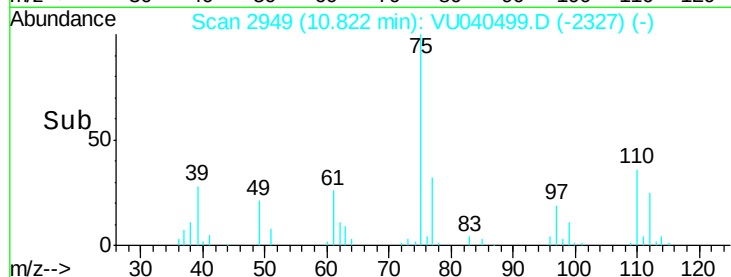
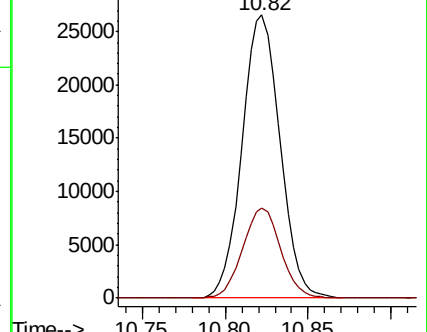
75 100

77 31.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040477.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040477.D (-2936) (-)



#61

Bromoform

Concen: 5.058 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

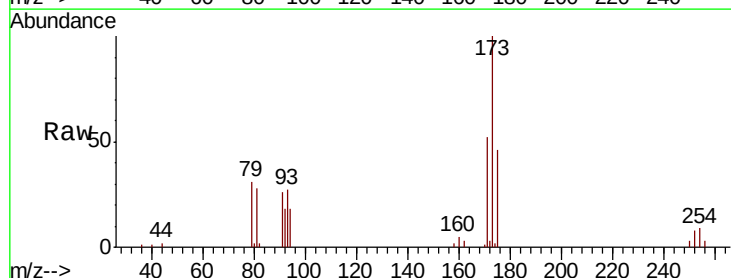
Tgt Ion: 173 Resp: 27541

Ion Ratio Lower Upper

173 100

175 47.1 39.6 59.4

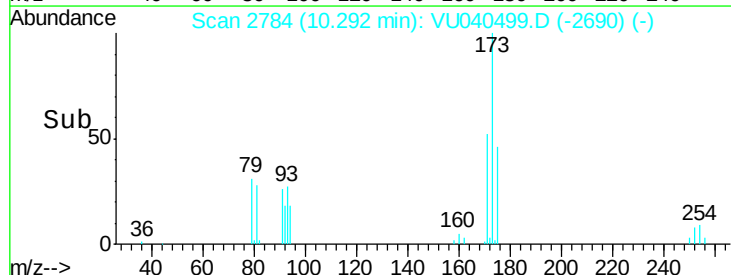
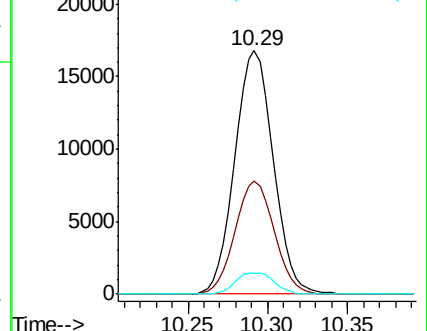
254 8.8 7.0 10.4

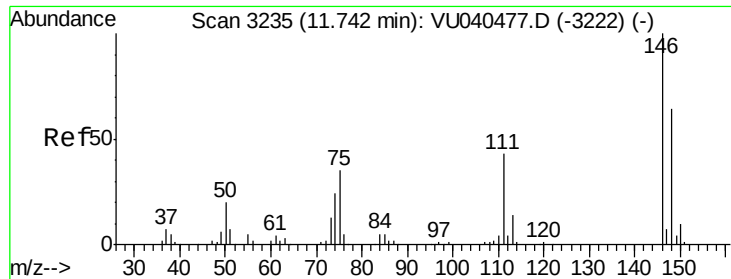


Abundance Ion 172.90 (172.60 to 173.60): VU040477.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040477.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040477.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 5.051 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

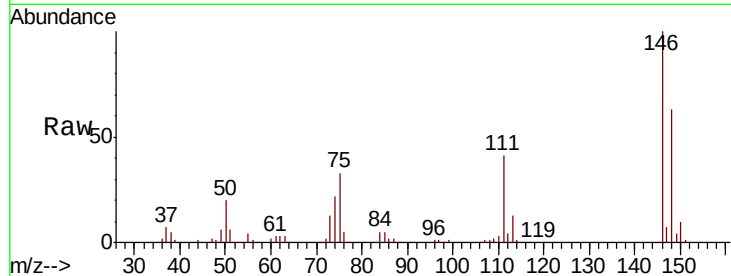
Tot Ion:146 Resp: 110167

Ion Ratio Lower Upper

146 100

111 41.3 28.6 53.0

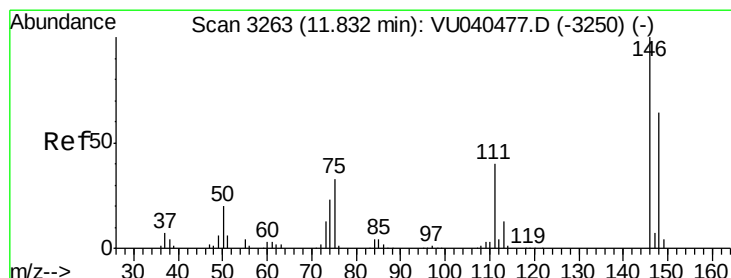
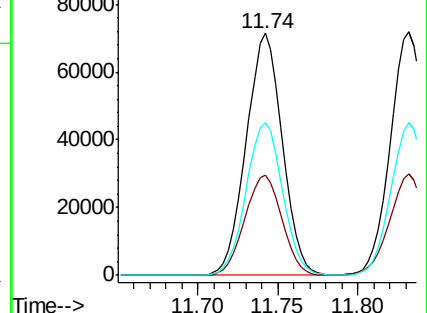
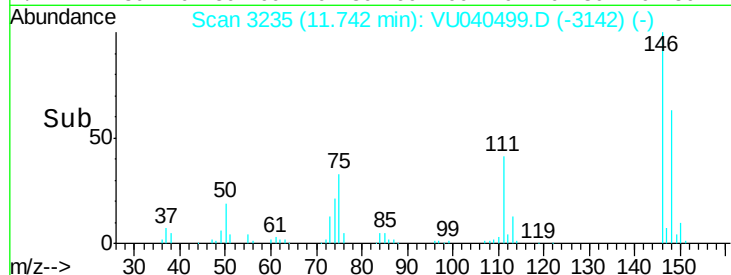
148 63.1 43.4 80.6



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



#63

1,4-Dichlorobenzene

Concen: 4.988 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

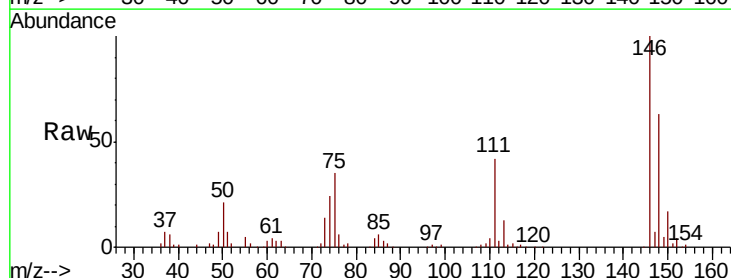
Tgt Ion:146 Resp: 113178

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

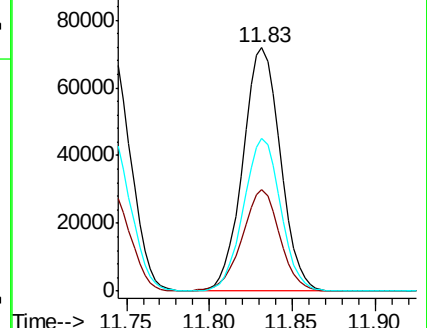
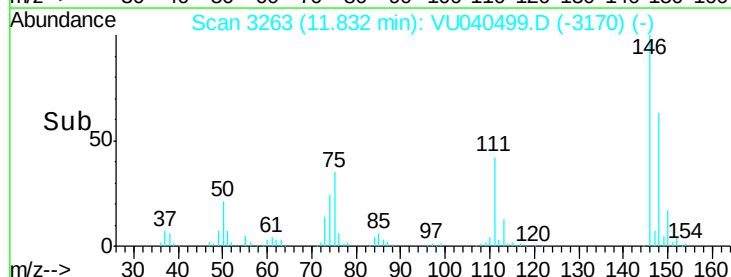
148 63.0 44.4 82.4

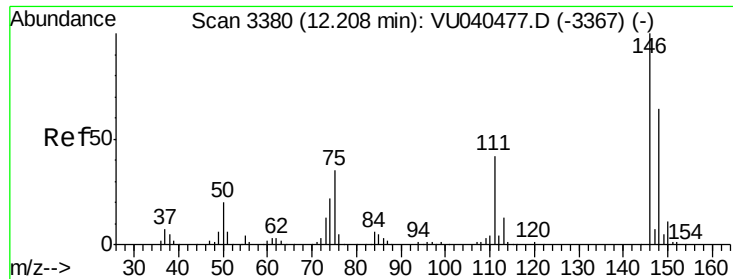


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

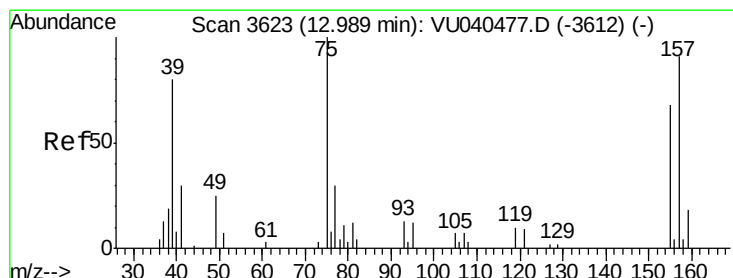
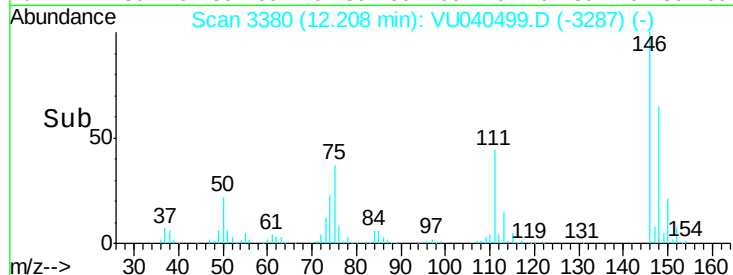
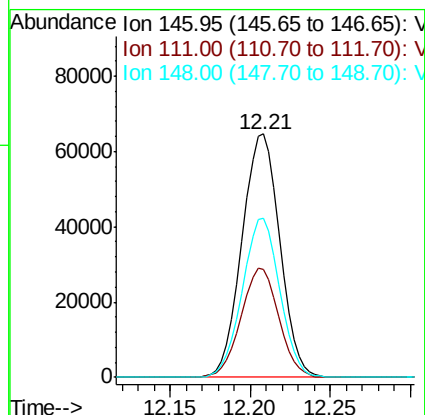
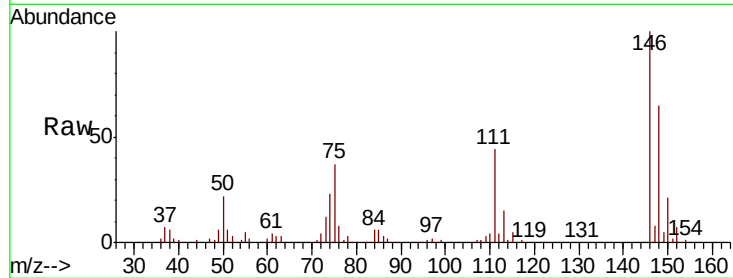




#65
 1,2-Dichlorobenzene
 Concen: 4.915 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

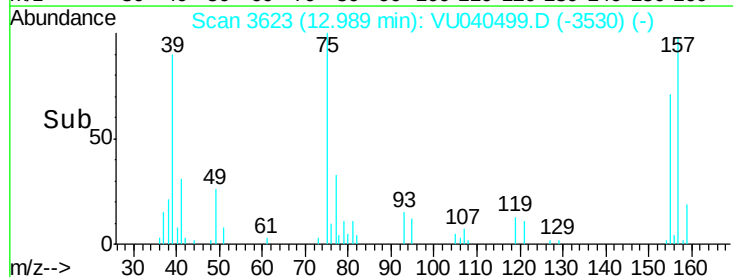
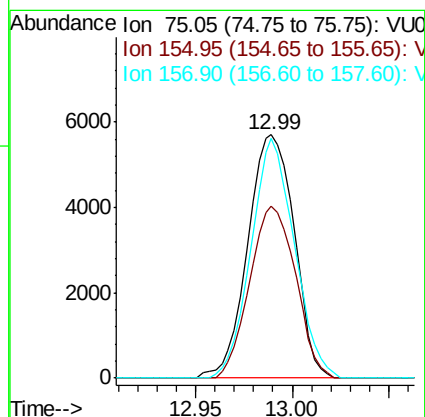
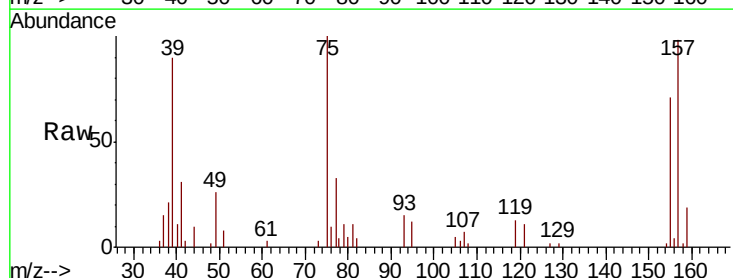
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

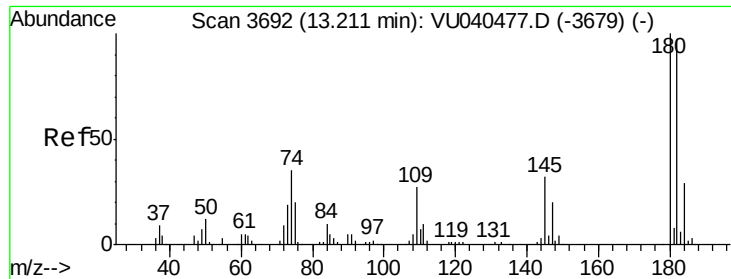
Tot Ion:146 Resp: 104224
 Ion Ratio Lower Upper
 146 100
 111 44.2 35.6 53.4
 148 65.2 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.991 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion: 75 Resp: 9540
 Ion Ratio Lower Upper
 75 100
 155 70.7 59.4 89.2
 157 98.4 65.0 97.4#

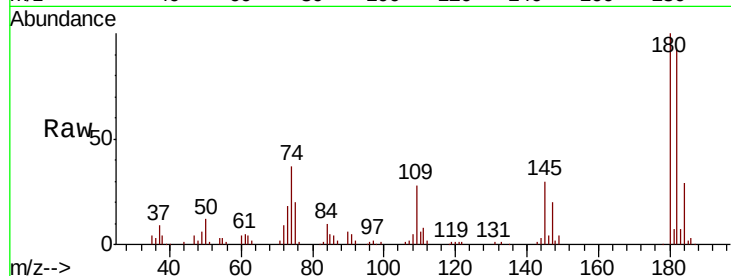




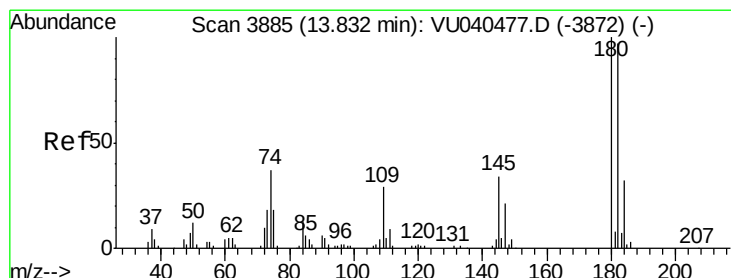
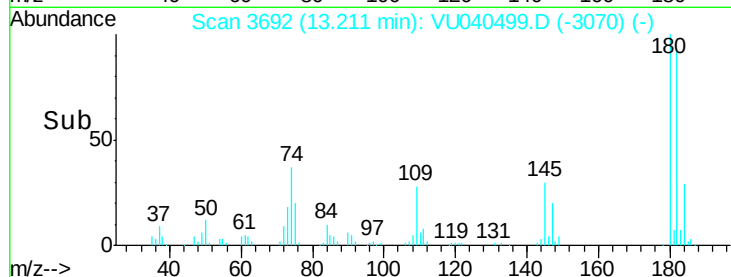
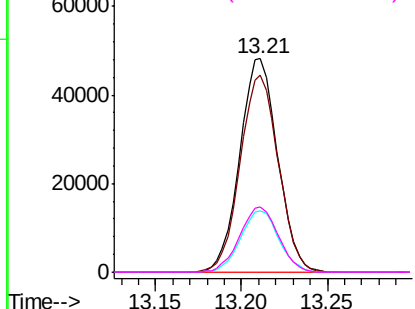
#67
 1,3,5-Trichlorobenzene
 Concen: 4.745 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion:180	Resp:	73891
Ion Ratio	Lower	Upper
180 100		
182 92.8	76.5	114.7
184 29.2	24.6	37.0
145 31.3	25.8	38.8

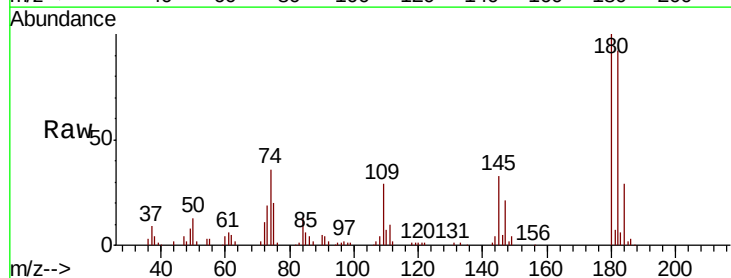


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

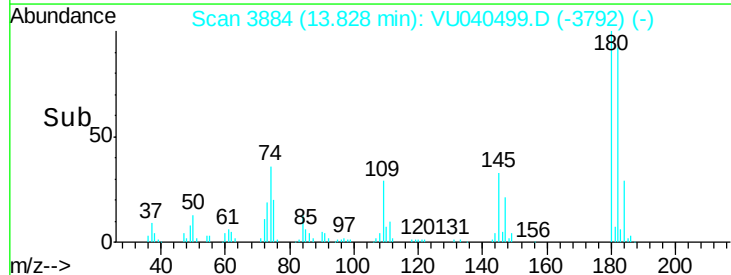
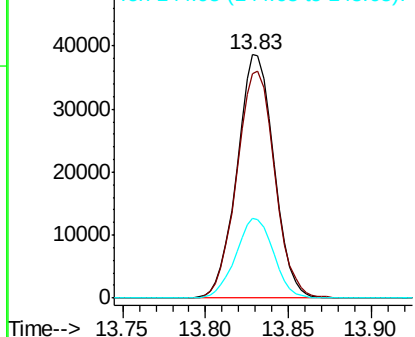


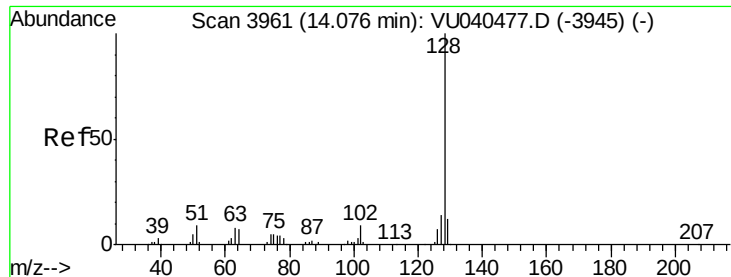
#68
 1,2,4-trichlorobenzene
 Concen: 4.785 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040499.D
 Acq: 03 Oct 2020 22:52

Tgt Ion:180	Resp: 59868
Ion Ratio	Lower Upper
180 100	
182 95.8	76.6 115.0
145 33.4	26.3 39.5



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: 4.625 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

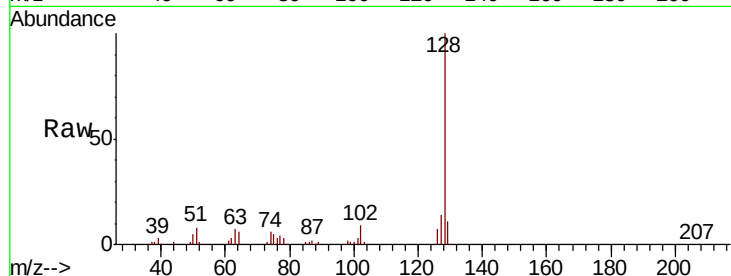
Tot Ion:128 Resp: 98904

Ion Ratio Lower Upper

128 100

129 11.3 8.2 12.4

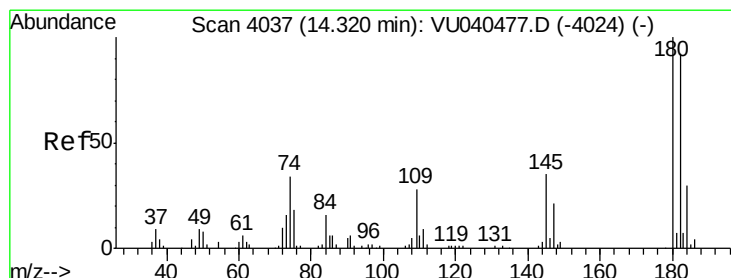
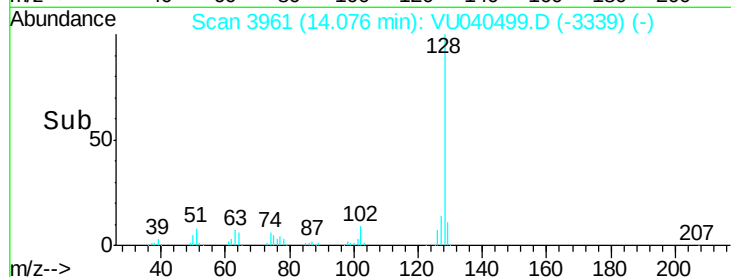
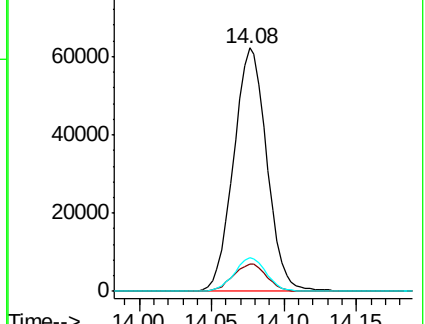
127 13.3 10.2 15.4



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: 4.976 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040499.D

Acq: 03 Oct 2020 22:52

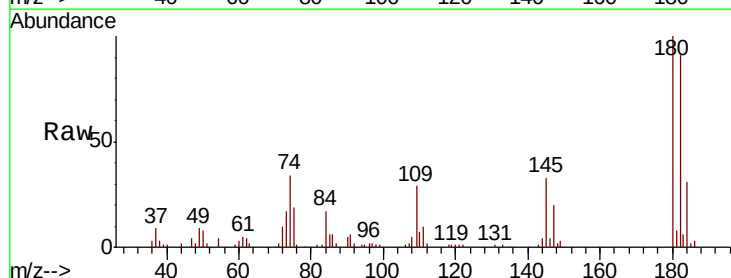
Tgt Ion:180 Resp: 56966

Ion Ratio Lower Upper

180 100

182 93.2 76.6 115.0

145 33.9 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

