

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120420\
 Data File : VU041479.D
 Acq On : 04 Dec 2020 18:36
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Dec 05 05:27:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Dec 05 05:22:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	51541	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	51457	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	30045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	11835	4.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.40%
7) Chloroethane-d5	1.92	69	11487	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	2.58	63	31279	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.66	46	50473	50.84	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.68%
24) Chloroform-d	5.08	84	37965	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.72	65	24640	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	56364	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.70	67	16154	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.90	98	56991	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	8.19	79	10350	5.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.20%
46) 2-Hexanone-d5	8.64	63	40465	48.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.92%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	18154	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	27258	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	24677	5.408	ug/L	97
3) Chloromethane	1.53	50	14135	4.792	ug/L	100
5) Vinyl chloride	1.61	62	18011	5.122	ug/L	95
6) Bromomethane	1.87	94	13492	5.550	ug/L	95
8) Chloroethane	1.94	64	11607	5.074	ug/L	98
9) Trichlorofluoromethane	2.15	101	43482	5.550	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	19358	5.513	ug/L	96
12) 1,1-Dichloroethene	2.59	96	16586	5.497	ug/L	93
13) Acetone	2.66	43	37235	48.179	ug/L	99
14) Carbon disulfide	2.81	76	46889	5.041	ug/L	97
15) Methyl Acetate	2.97	43	7090	5.013	ug/L	93
16) Methylene chloride	3.06	84	17566	4.362	ug/L	88
17) Methyl tert-butyl Ether	3.38	73	48966	5.348	ug/L	96
18) trans-1,2-Dichloroethene	3.37	96	17023	5.586	ug/L	93
19) 1,1-Dichloroethane	3.89	63	29195	5.186	ug/L	95
21) 2-Butanone	4.73	43	48345	49.993	ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	17673	5.230	ug/L	97

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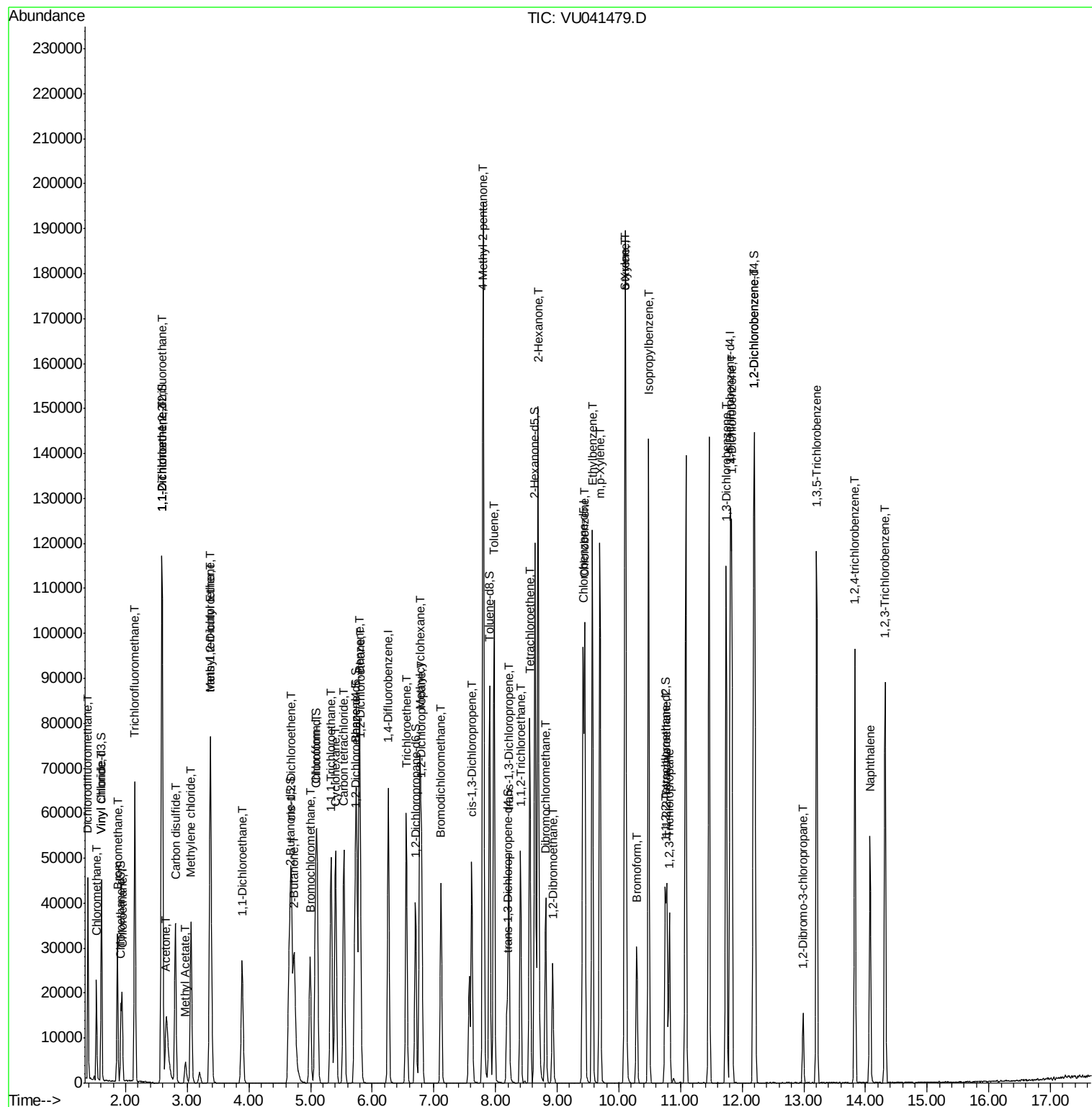
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	9709	5.497	ug/L	95
25) Chloroform	5.11	83	38121	5.315	ug/L	98
27) 1,2-Dichloroethane	5.81	62	30077	5.365	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	38288	5.192	ug/L	98
30) Cyclohexane	5.41	56	21748	4.690	ug/L	91
31) Carbon tetrachloride	5.54	117	35962	5.266	ug/L	99
33) Benzene	5.79	78	65287	5.126	ug/L	100
34) Trichloroethene	6.55	95	19619	5.104	ug/L	97
35) Methylcyclohexane	6.77	83	27254	5.197	ug/L	95
37) 1,2-Dichloropropane	6.80	63	15189	5.089	ug/L	98
38) Bromodichloromethane	7.11	83	28870	5.295	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	26659	4.944	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	113390	47.417	ug/L	98
42) Toluene	7.98	91	75915	5.296	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	27666	5.138	ug/L	100
45) 1,1,2-Trichloroethane	8.40	97	14960	5.197	ug/L	98
47) Tetrachloroethene	8.56	164	16900	5.566	ug/L	97
48) 2-Hexanone	8.69	43	86418	44.973	ug/L	94
49) Dibromochloromethane	8.81	129	21601	5.508	ug/L	98
50) 1,2-Dibromoethane	8.93	107	15307	5.272	ug/L	99
51) Chlorobenzene	9.45	112	51321	5.372	ug/L	99
52) Ethylbenzene	9.57	91	84424	5.139	ug/L	97
53) m,p-Xylene	9.69	106	33186	5.565	ug/L	99
54) o-Xylene	10.10	106	30454	5.268	ug/L	99
55) Styrene	10.11	104	55505	5.654	ug/L	94
56) Isopropylbenzene	10.48	105	88333	5.412	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	17624	4.984	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	14940	5.159	ug/L	94
61) Bromoform	10.29	173	14021	5.554	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	45336	5.354	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	44860	5.168	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	42956	5.124	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	4148	5.052	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	35718	5.279	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	28173	5.202	ug/L	99
69) Naphthalene	14.08	128	43125	5.068	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	26205	5.467	ug/L	97

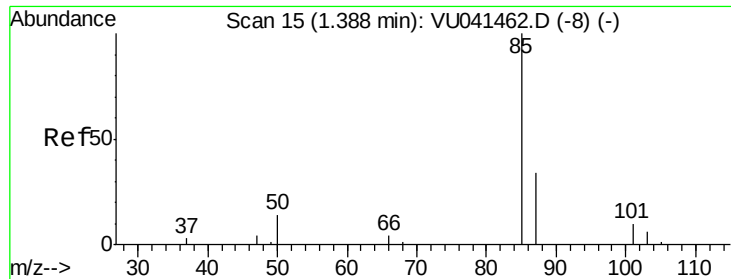
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.408 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

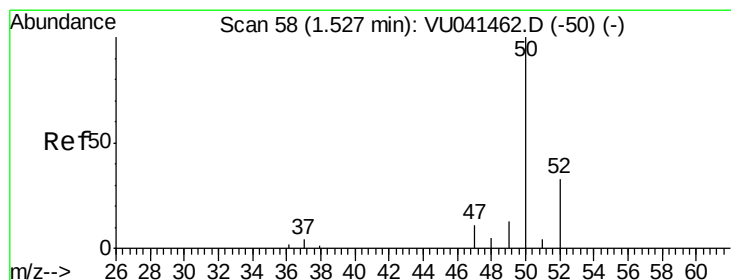
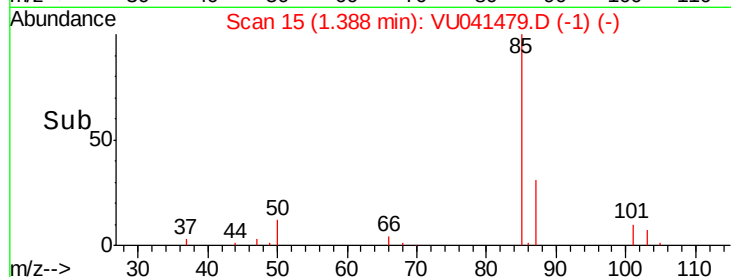
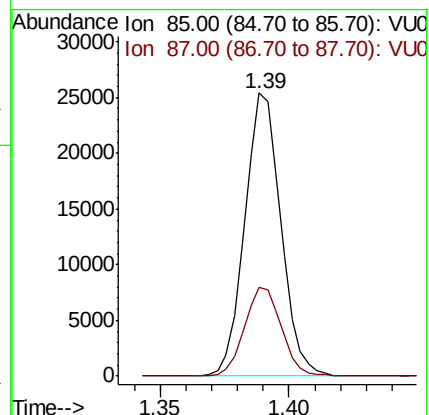
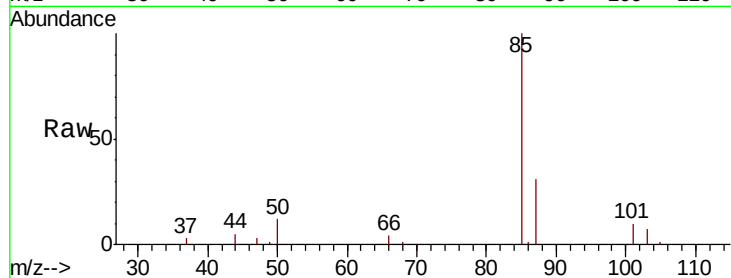
VSTD00528

Tot Ion: 85 Resp: 24677

Ion Ratio Lower Upper

85 100

87 32.0 26.9 40.3



#3

Chloromethane

Concen: 4.792 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041479.D

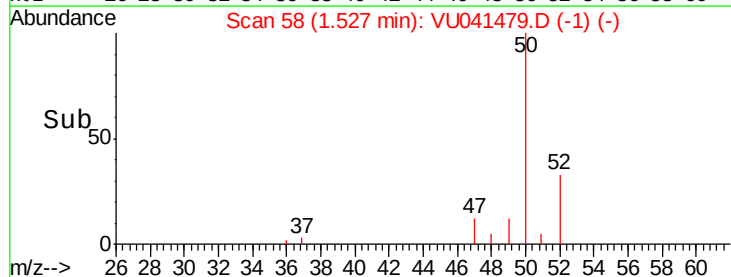
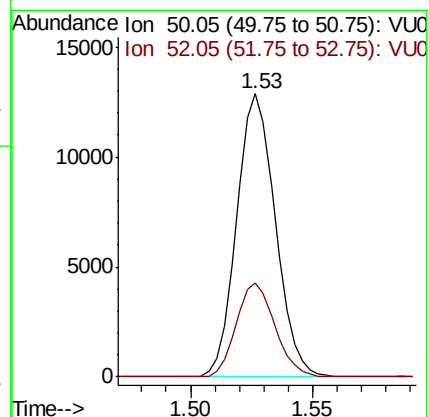
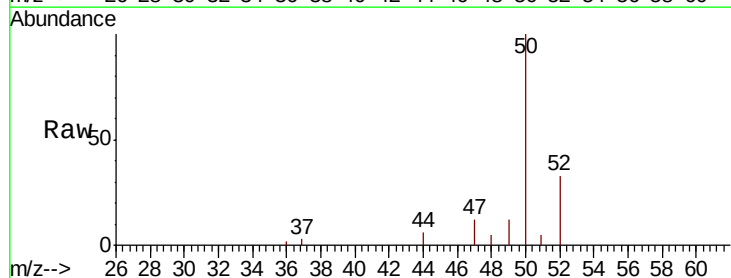
Acq: 04 Dec 2020 18:36

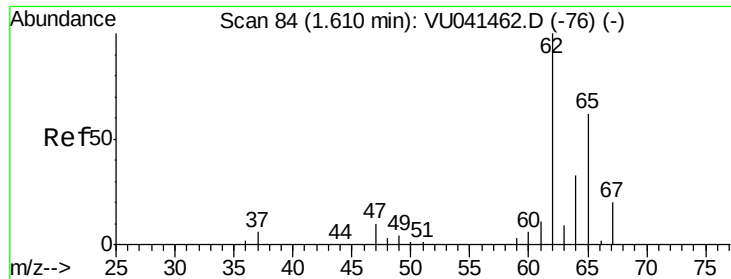
Tgt Ion: 50 Resp: 14135

Ion Ratio Lower Upper

50 100

52 33.4 23.3 43.3





#5

Vinyl chloride

Concen: 5.122 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

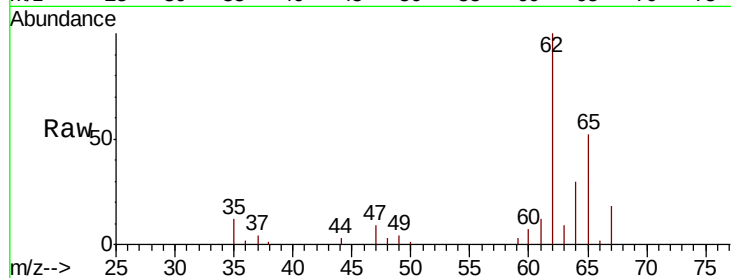
VSTD00528

Tot Ion: 62 Resp: 18011

Ion Ratio Lower Upper

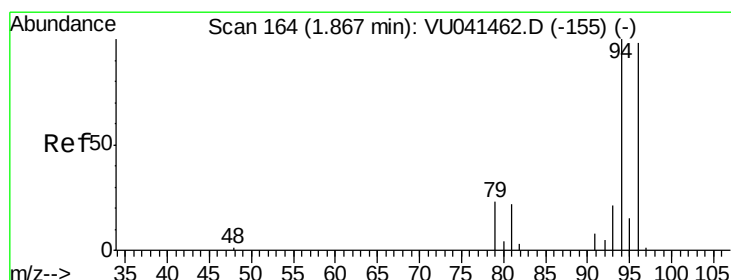
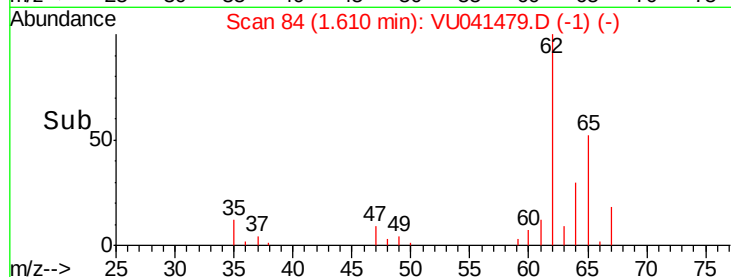
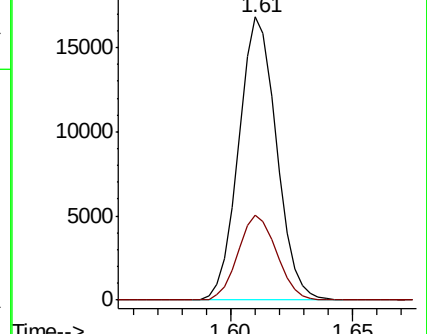
62 100

64 30.1 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: 5.550 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041479.D

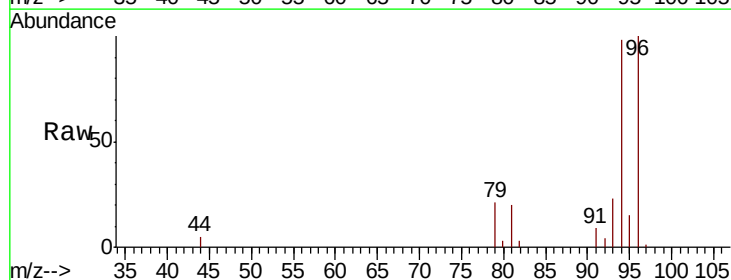
Acq: 04 Dec 2020 18:36

Tgt Ion: 94 Resp: 13492

Ion Ratio Lower Upper

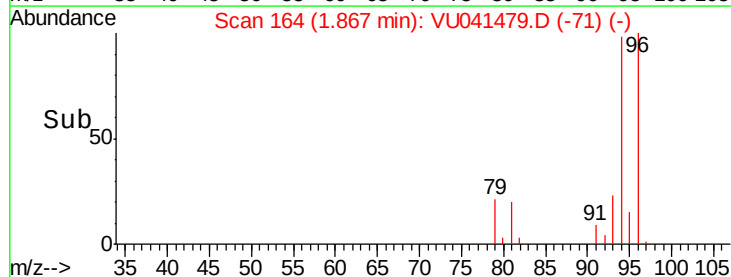
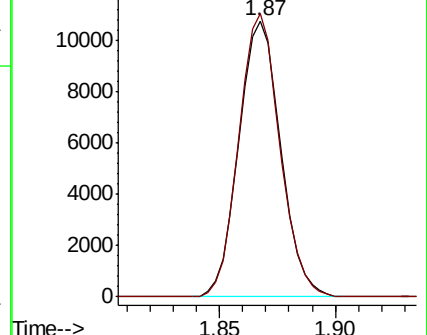
94 100

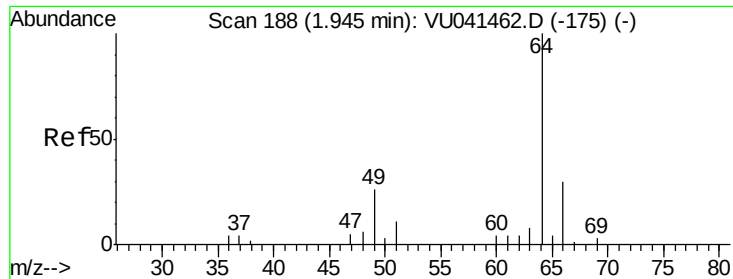
96 102.5 68.5 127.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

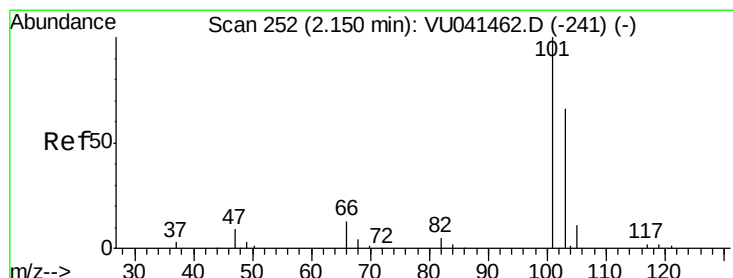
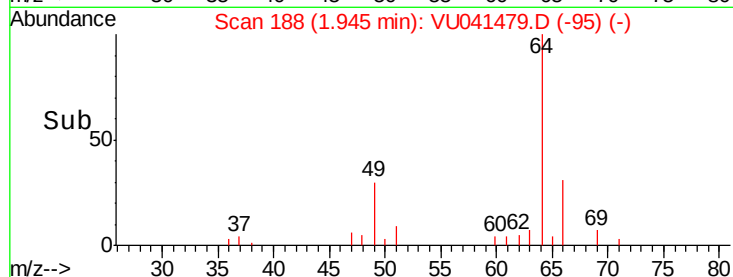
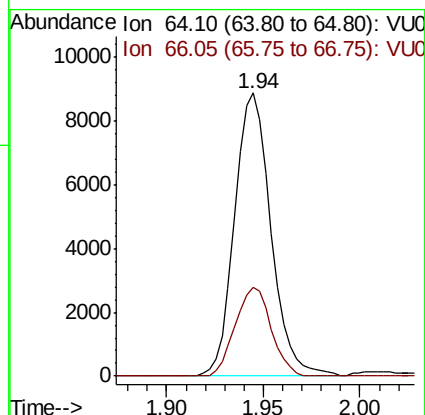
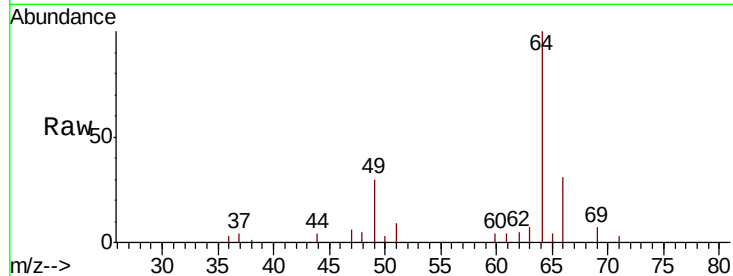




#8
Chloroethane
Concen: 5.074 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

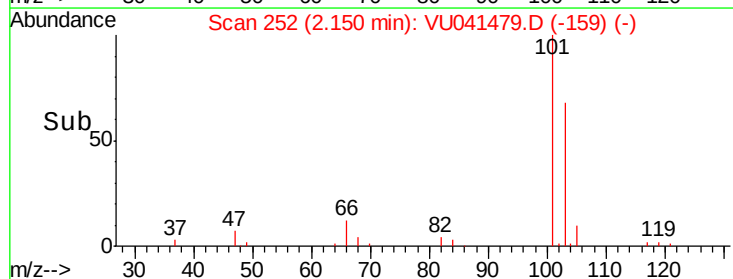
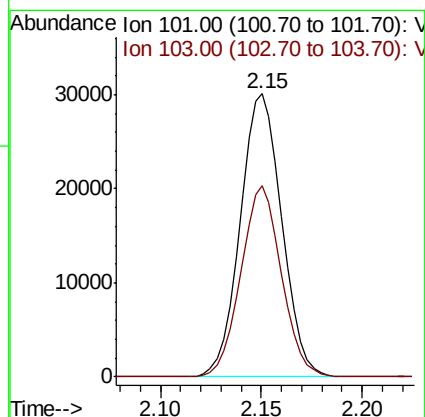
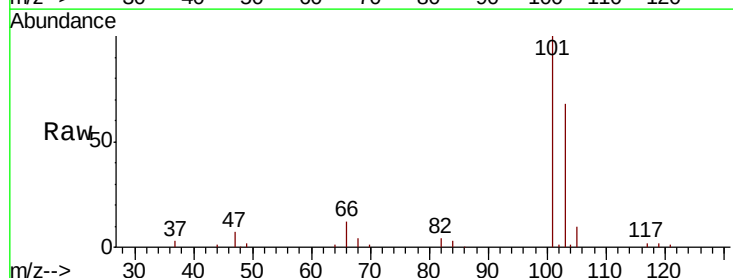
Instrument :
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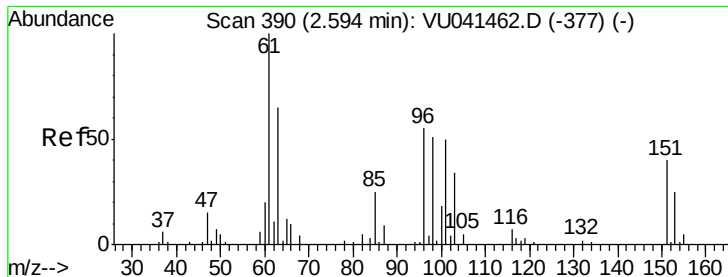
Tot Ion: 64 Resp: 11607
Ion Ratio Lower Upper
64 100
66 31.2 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.550 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion: 101 Resp: 43482
Ion Ratio Lower Upper
101 100
103 65.6 51.4 77.0





#10

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

Concen: 5.513 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

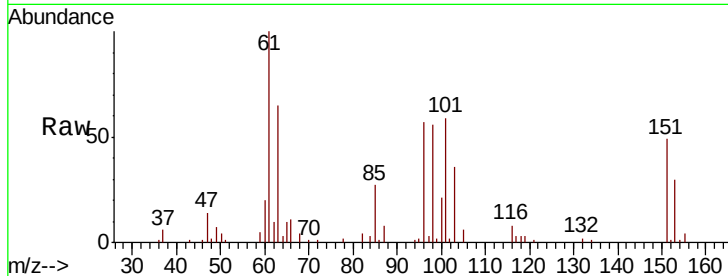
Tot Ion:101 Resp: 19358

Ion Ratio Lower Upper

101 100

85 44.3 39.4 59.2

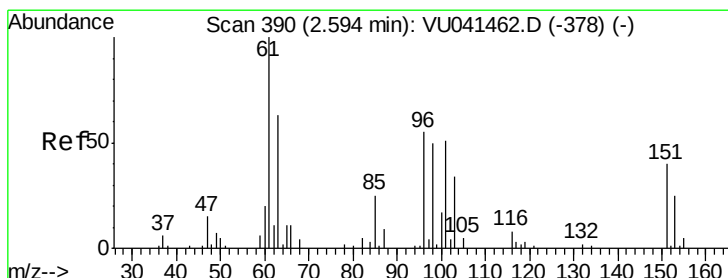
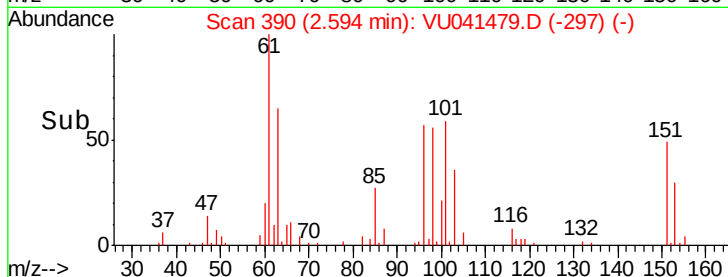
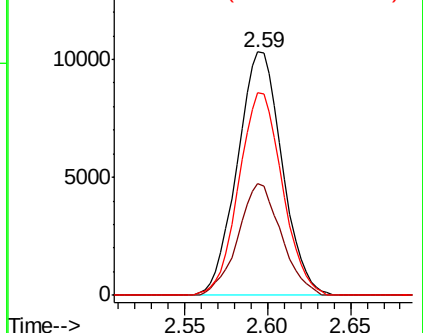
151 81.0 63.8 95.8



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: 5.497 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

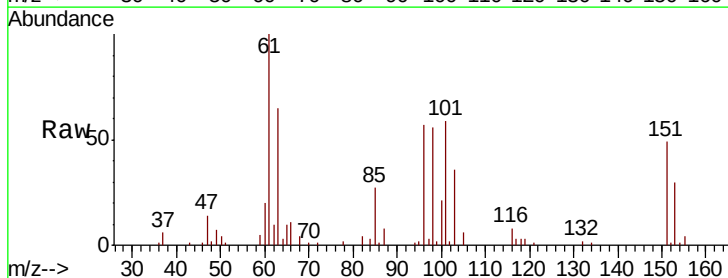
Tgt Ion: 96 Resp: 16586

Ion Ratio Lower Upper

96 100

61 174.3 127.8 237.4

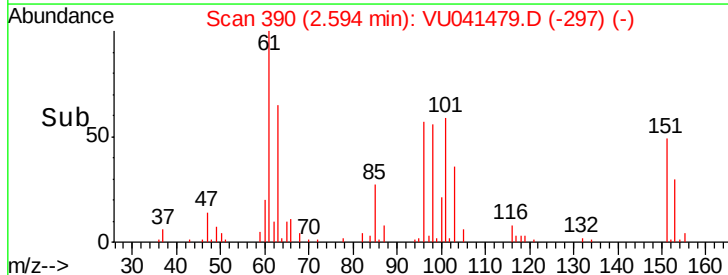
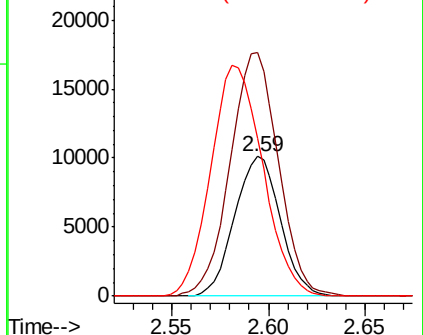
63 113.1 86.2 160.0

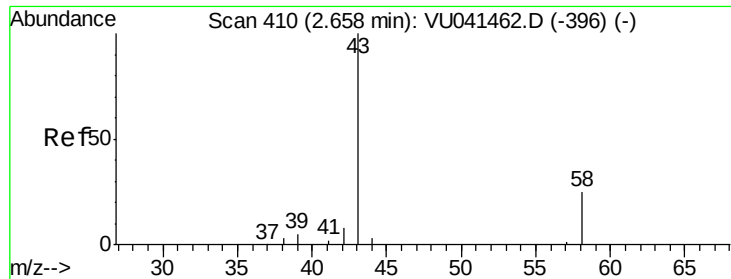


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.179 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

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ClientSampleId :

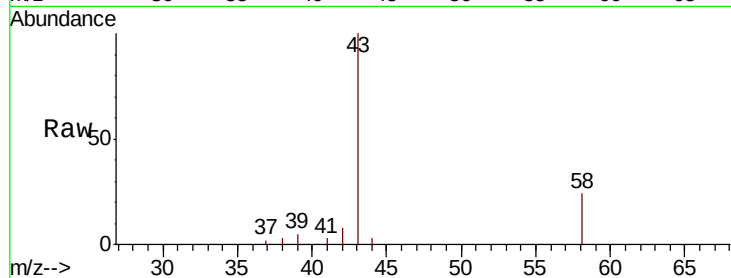
VSTD00528

Tot Ion: 43 Resp: 37235

Ion Ratio Lower Upper

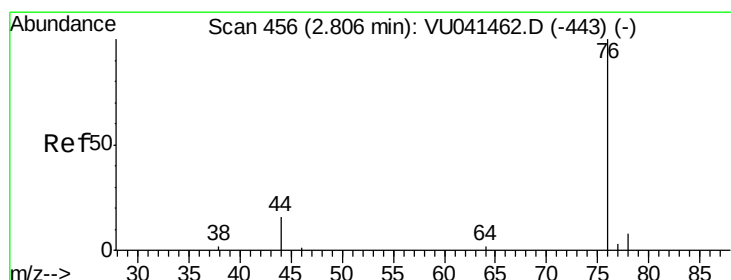
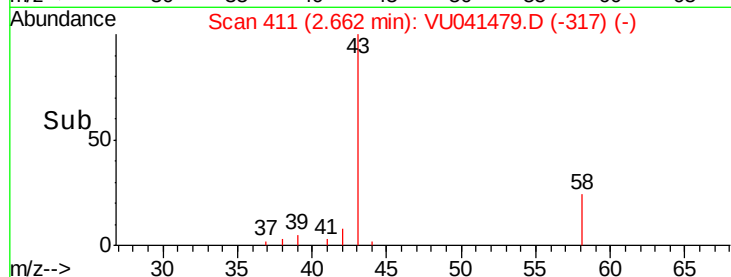
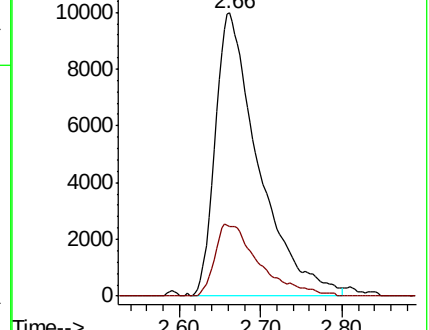
43 100

58 25.7 0.0 50.0



Abundance Ion 43.05 (42.75 to 43.75): VU041462.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU041462.D (-396) (-)



#14

Carbon disulfide

Concen: 5.041 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041479.D

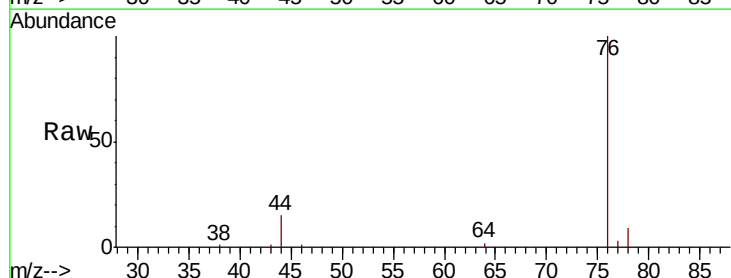
Acq: 04 Dec 2020 18:36

Tgt Ion: 76 Resp: 46889

Ion Ratio Lower Upper

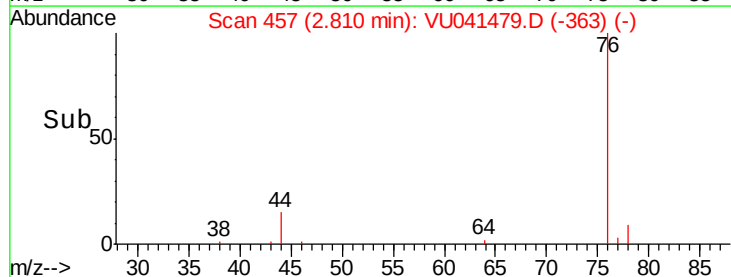
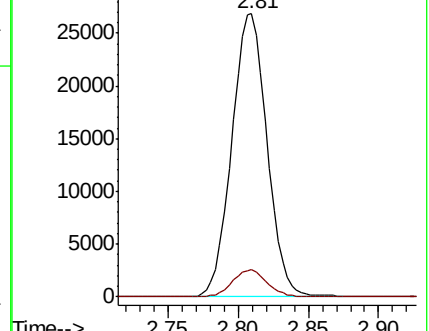
76 100

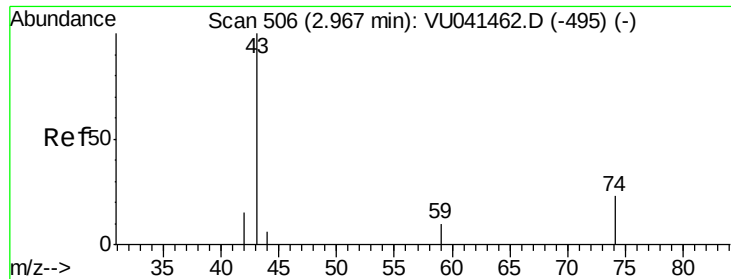
78 9.5 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU041462.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU041462.D (-443) (-)

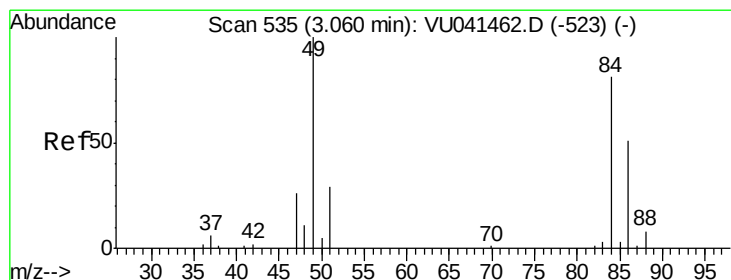
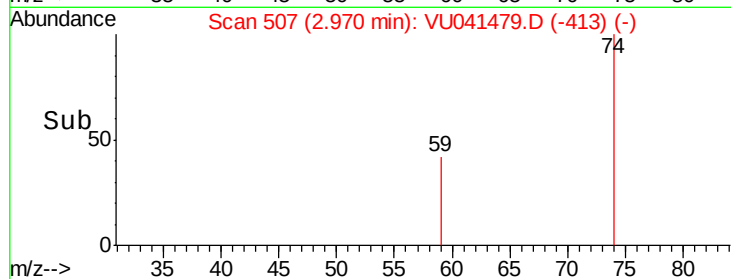
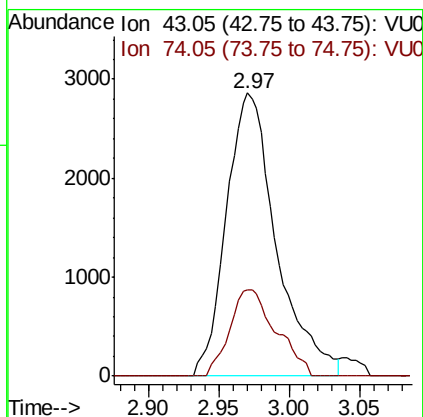
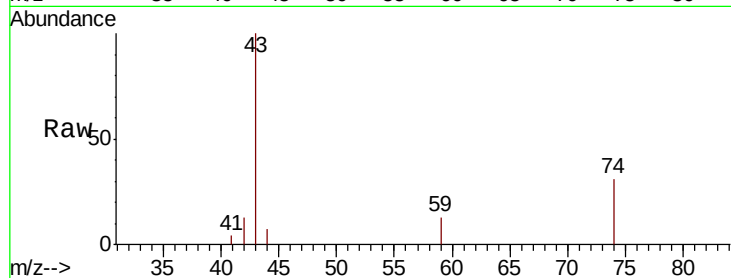




#15
Methvl Acetate
Concen: 5.013 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

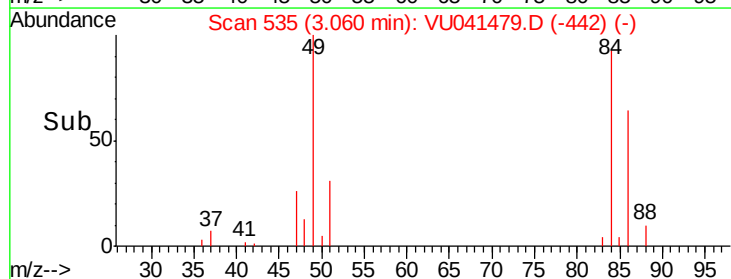
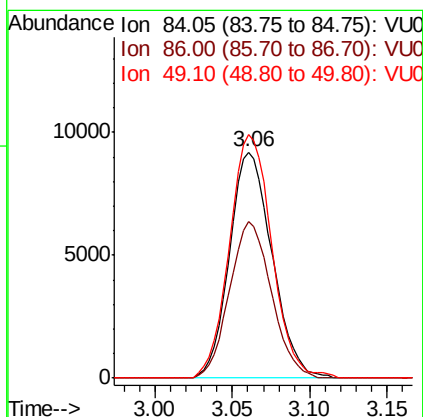
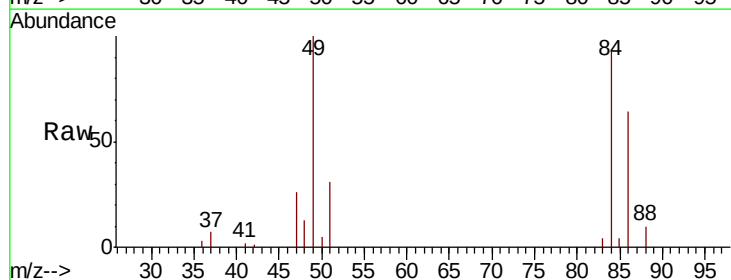
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

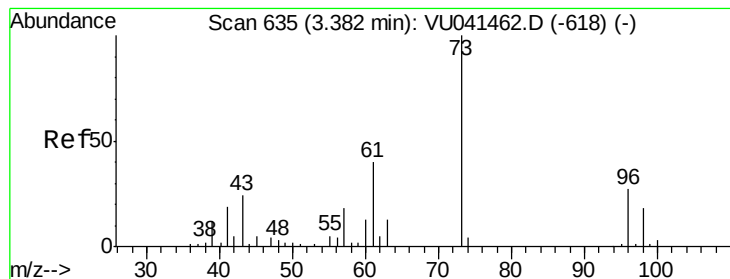
Tot Ion: 43 Resp: 7090
Ion Ratio Lower Upper
43 100
74 28.3 19.7 29.5



#16
Methylene chloride
Concen: 4.362 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion: 84 Resp: 17566
Ion Ratio Lower Upper
84 100
86 69.0 44.1 81.9
49 107.8 86.1 159.9



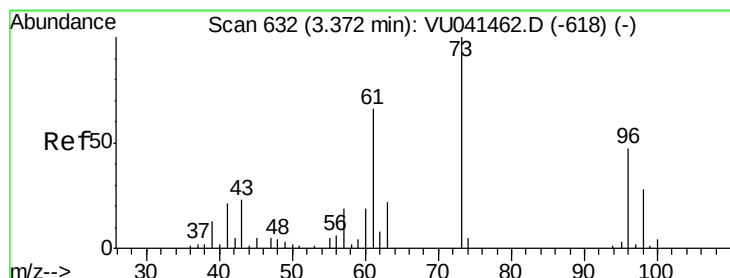
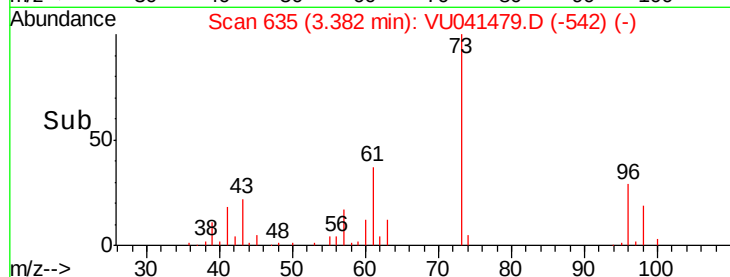
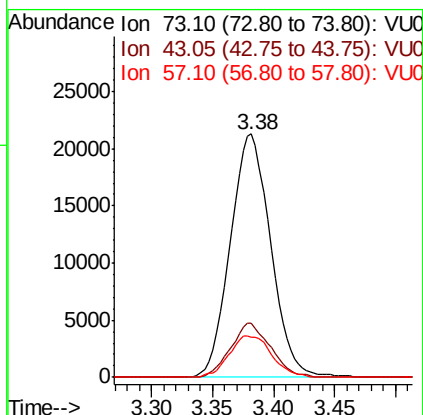
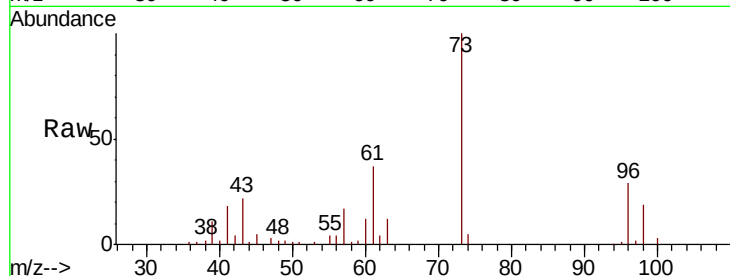


#17

Methyl tert-butyl Ether
 Concen: 5.348 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00528

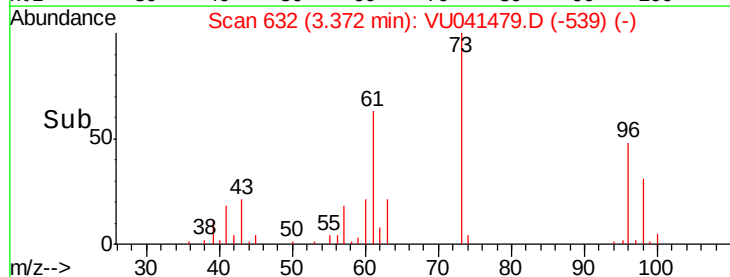
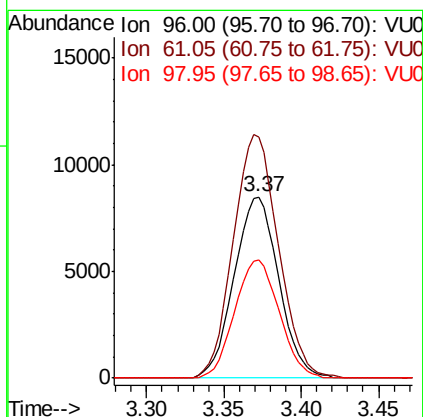
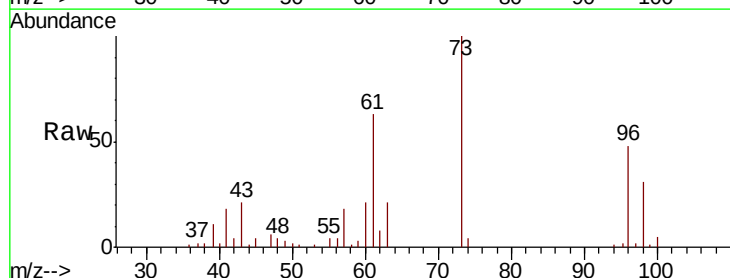
Tot Ion: 73 Resp: 48966
 Ion Ratio Lower Upper
 73 100
 43 22.0 19.1 28.7
 57 17.9 15.5 23.3

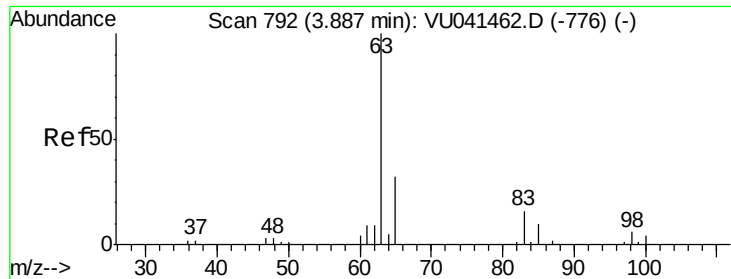


#18

trans-1,2-Dichloroethene
 Concen: 5.586 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion: 96 Resp: 17023
 Ion Ratio Lower Upper
 96 100
 61 133.2 98.8 183.4
 98 65.3 41.7 77.5

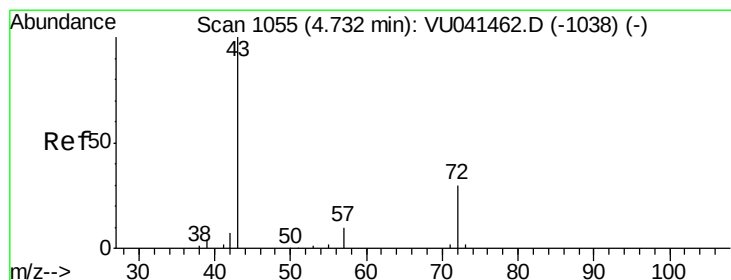
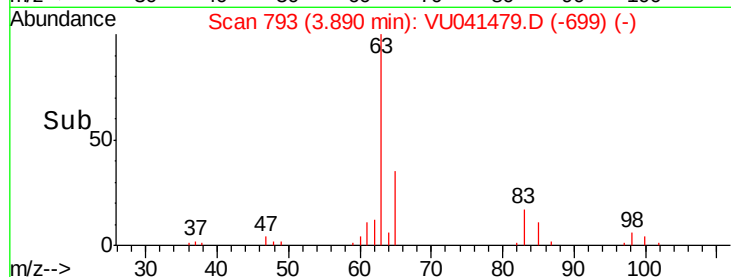
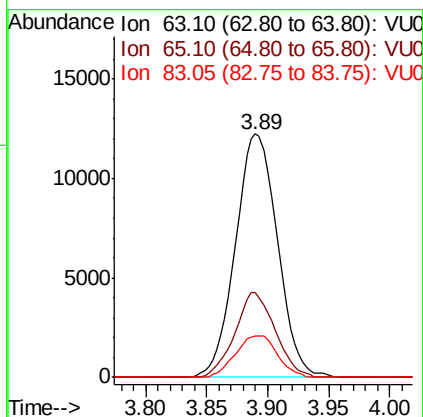
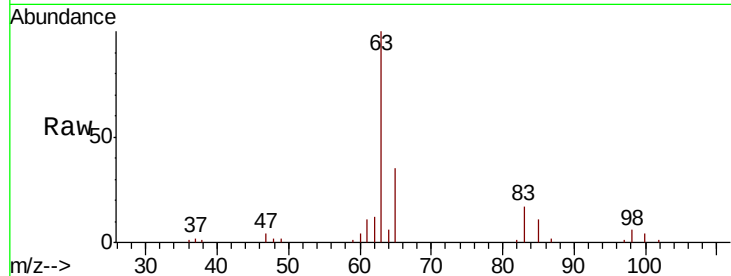




#19
 1,1-Dichloroethane
 Concen: 5.186 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

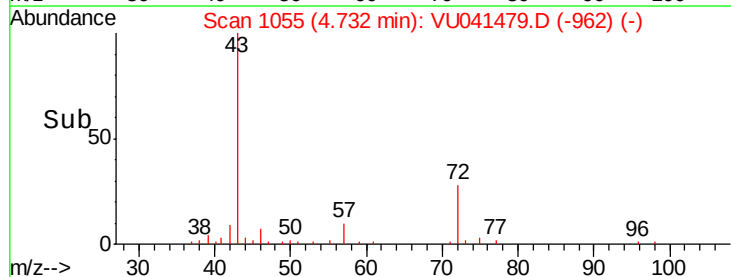
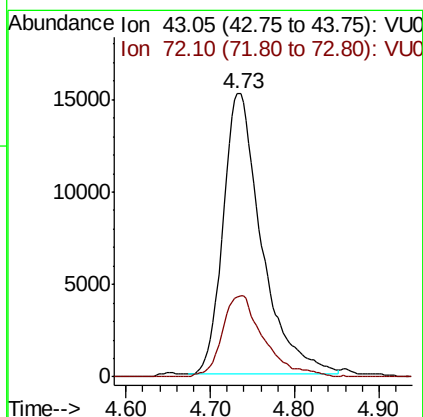
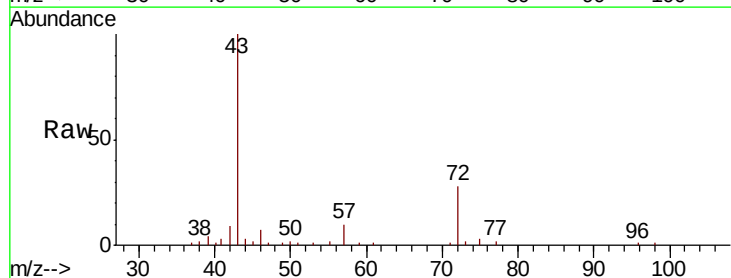
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

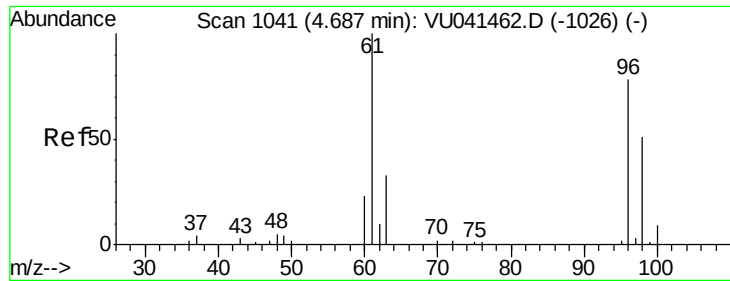
Tot Ion	Ratio	Lower	Upper
63	100		
65	35.1	22.3	41.5
83	16.8	11.1	20.7



#21
 2-Butanone
 Concen: 49.993 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	31.3	15.7	47.1





#22

cis-1,2-Dichloroethene

Concen: 5.230 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

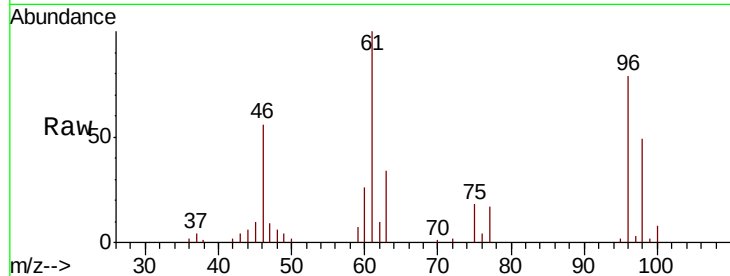
Tot Ion: 96 Resp: 17673

Ion Ratio Lower Upper

96 100

61 125.9 90.5 168.1

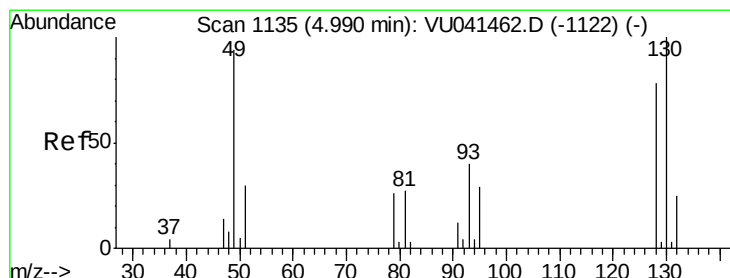
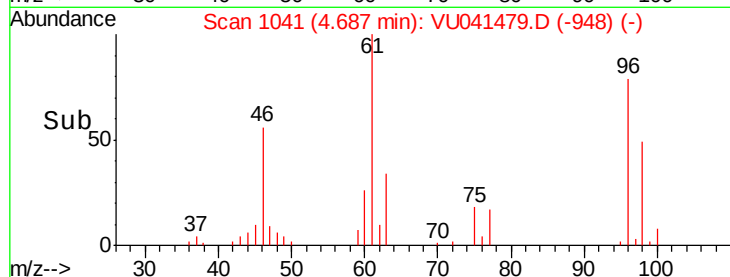
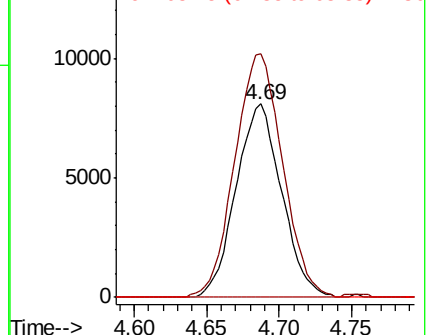
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.497 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Tgt Ion: 128 Resp: 9709

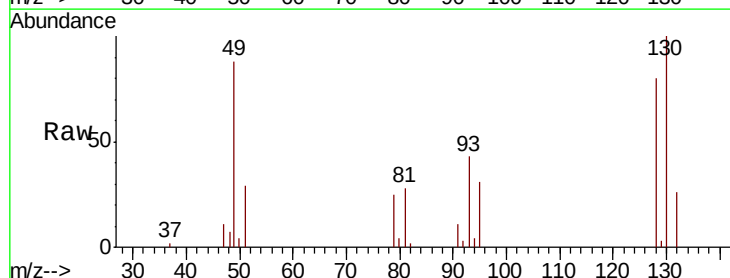
Ion Ratio Lower Upper

128 100

49 110.4 84.2 156.4

130 125.6 89.9 167.0

51 36.4 30.4 45.6

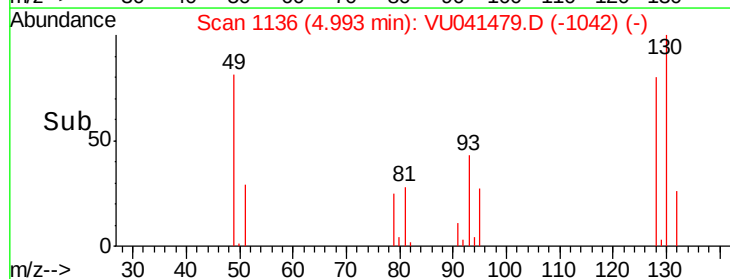
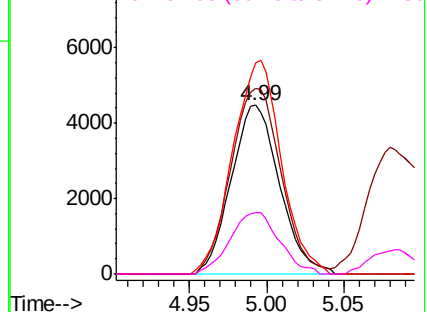


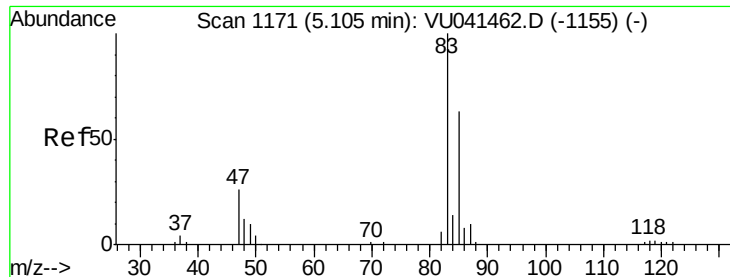
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

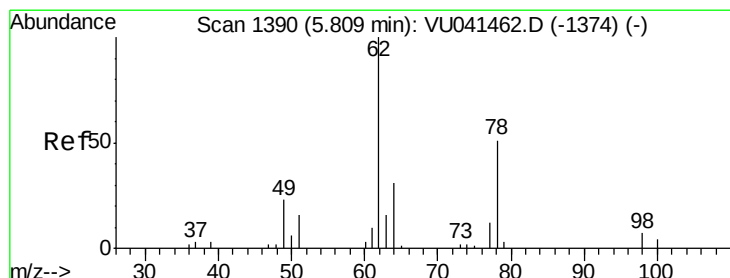
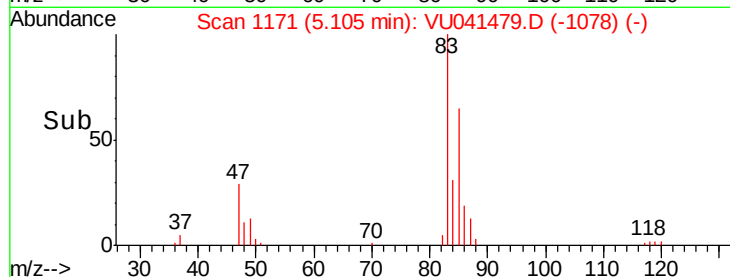
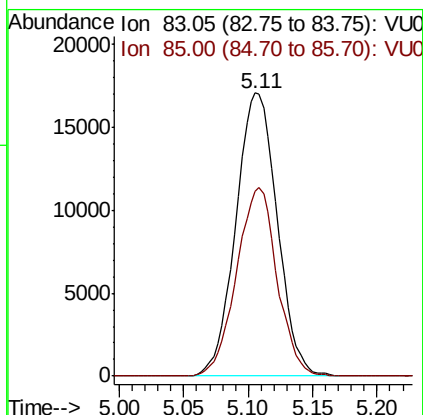
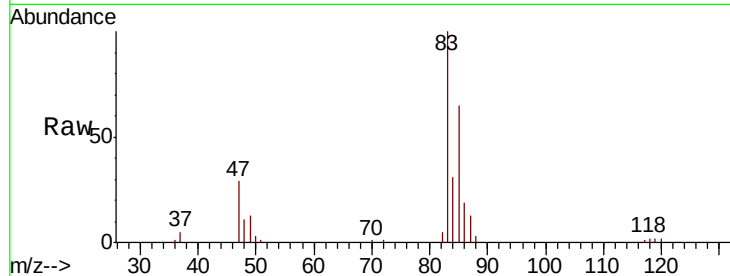




#25
Chloroform
Concen: 5.315 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

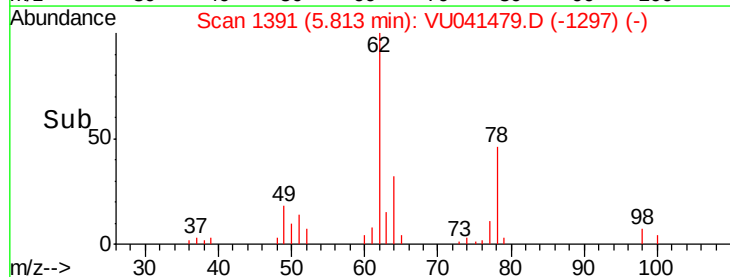
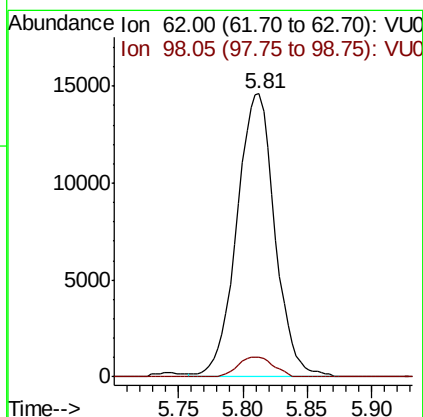
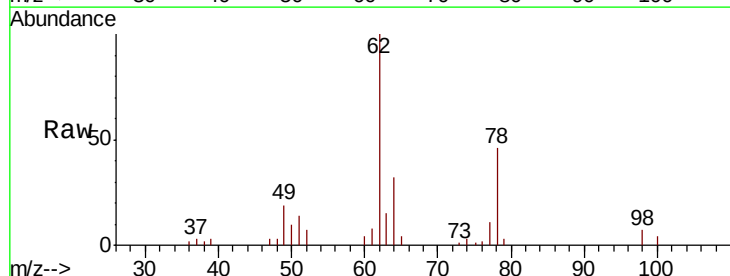
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

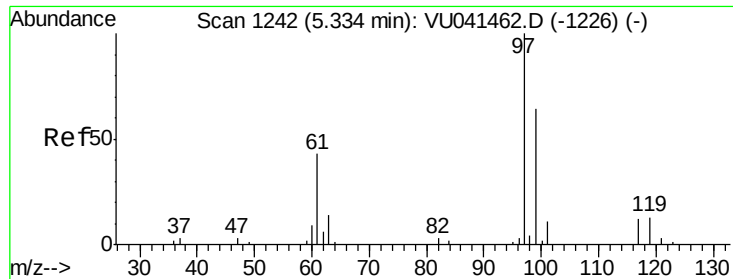
Tot Ion: 83 Resp: 38121
Ion Ratio Lower Upper
83 100
85 65.4 44.7 82.9



#27
1,2-Dichloroethane
Concen: 5.365 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion: 62 Resp: 30077
Ion Ratio Lower Upper
62 100
98 7.0 5.7 8.5

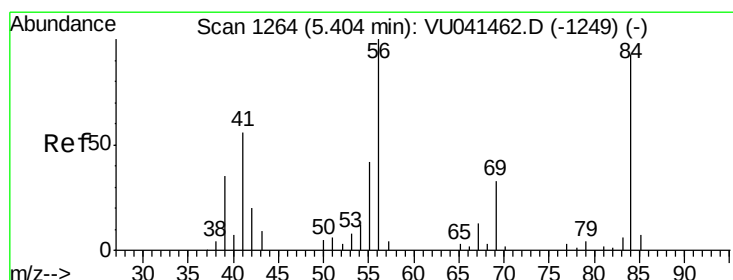
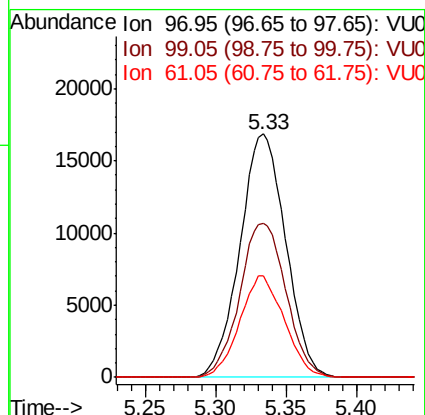
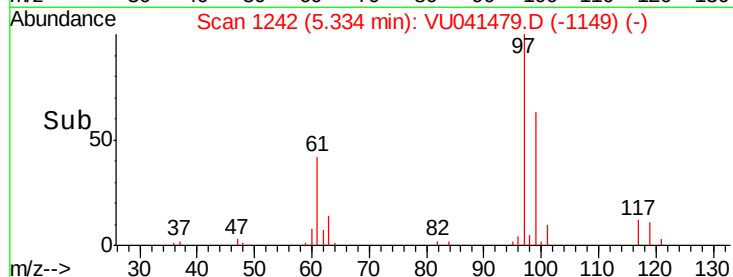
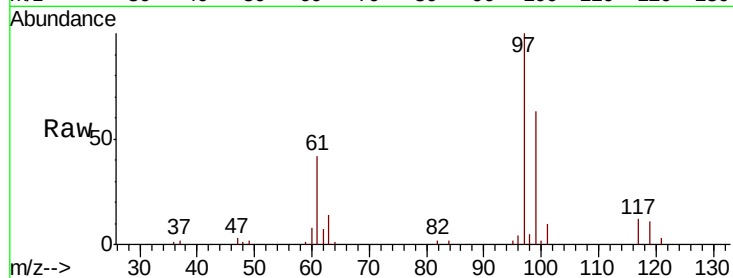




#29
1,1,1-Trichloroethane
Concen: 5.192 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

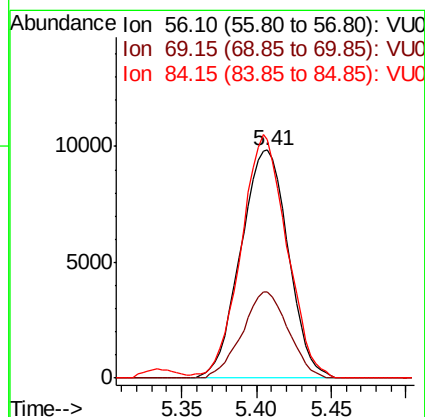
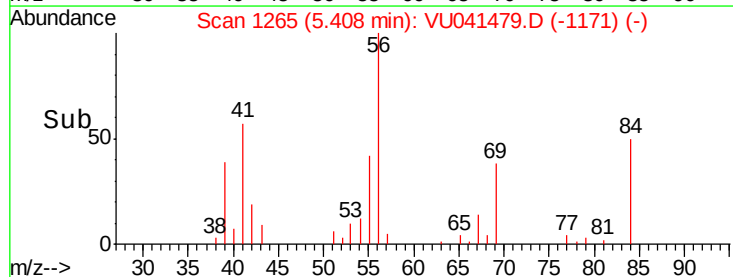
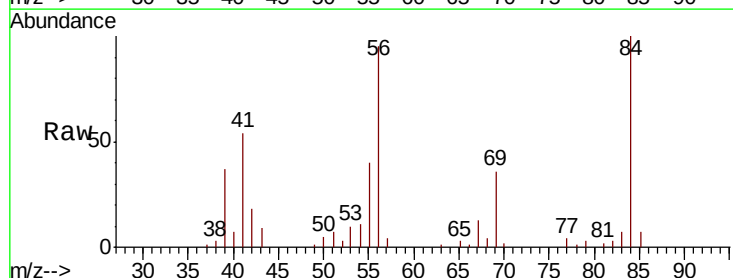
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

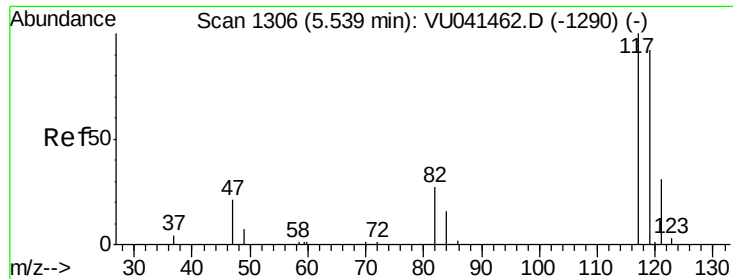
Tot Ion: 97 Resp: 38288
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.6
61 40.5 34.6 52.0



#30
Cyclohexane
Concen: 4.690 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion: 56 Resp: 21748
Ion Ratio Lower Upper
56 100
69 36.7 25.9 38.9
84 103.0 74.9 112.3





#31

Carbon tetrachloride

Concen: 5.266 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

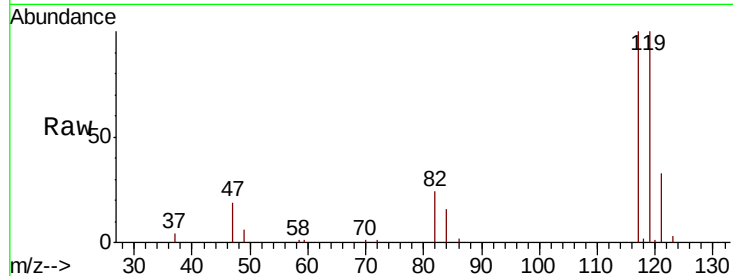
VSTD00528

Tot Ion:117 Resp: 35962

Ion Ratio Lower Upper

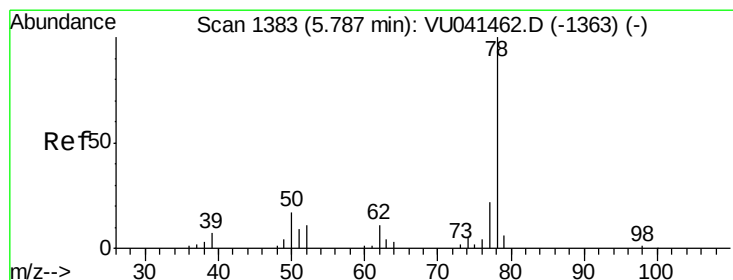
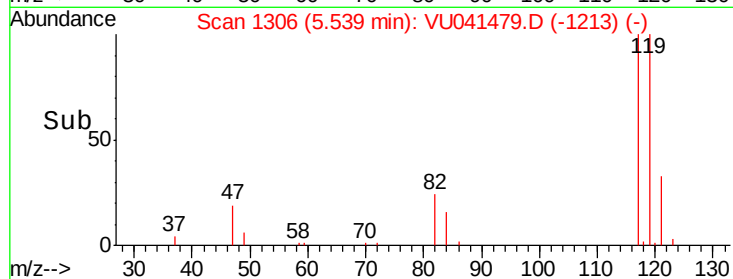
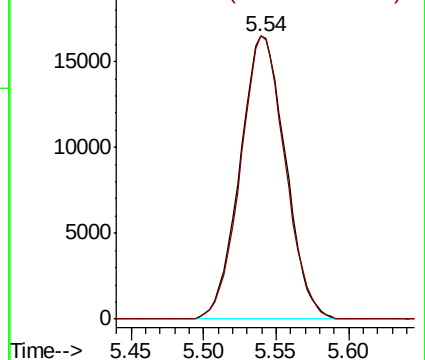
117 100

119 98.0 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.126 ug/L

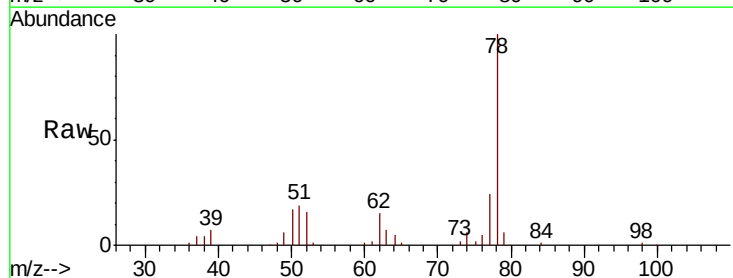
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

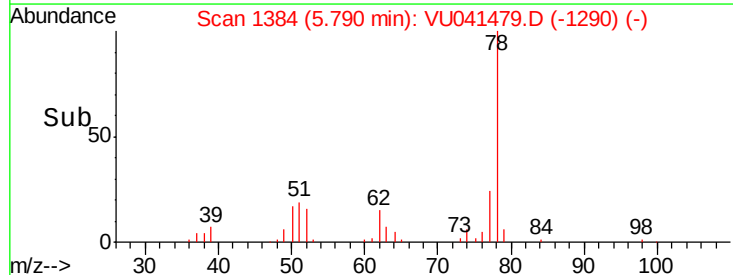
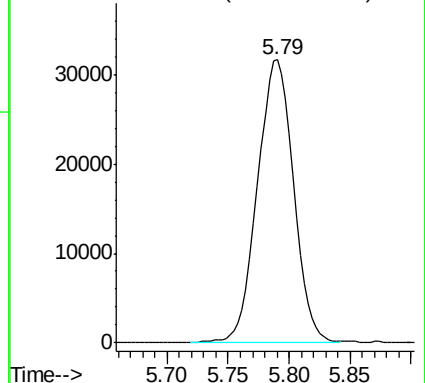
Lab File: VU041479.D

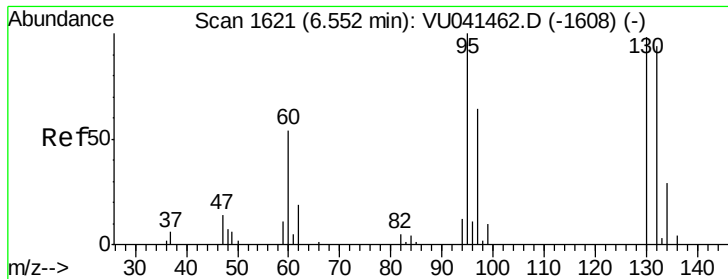
Acq: 04 Dec 2020 18:36

Tgt Ion: 78 Resp: 65287



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.104 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 95 Resp: 19619

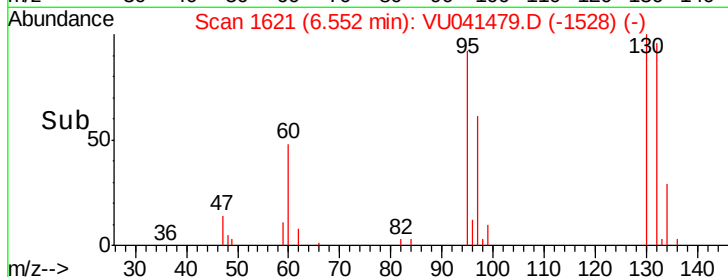
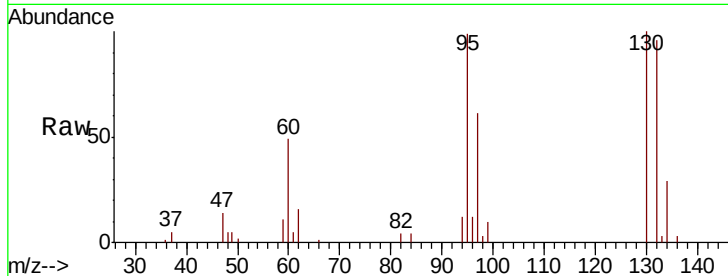
Ion Ratio Lower Upper

95 100

97 61.5 44.7 83.1

132 97.4 65.7 121.9

130 101.3 68.8 127.8

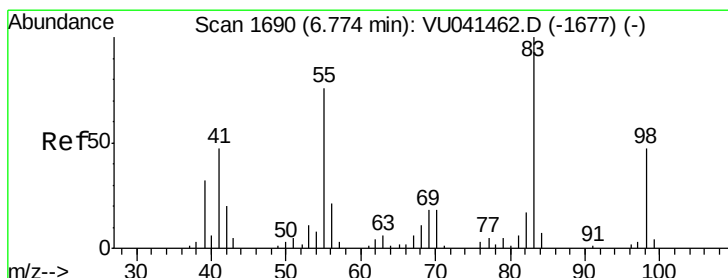
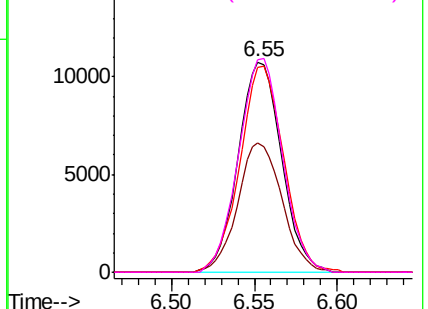


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.197 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

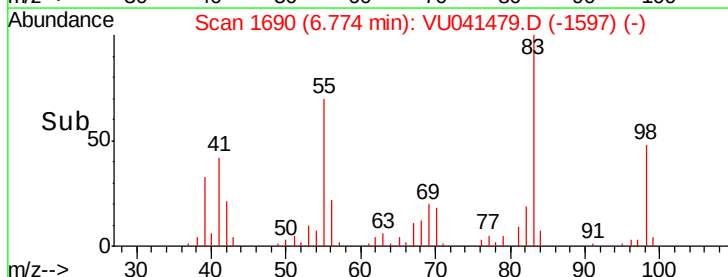
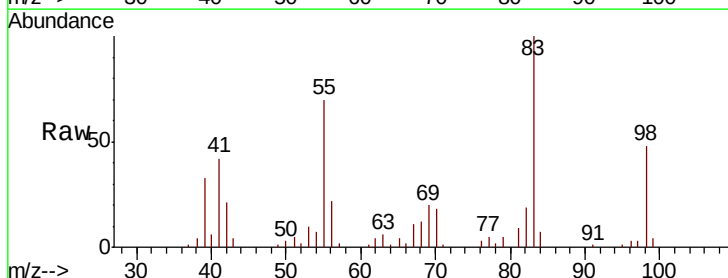
Tgt Ion: 83 Resp: 27254

Ion Ratio Lower Upper

83 100

55 71.2 62.1 93.1

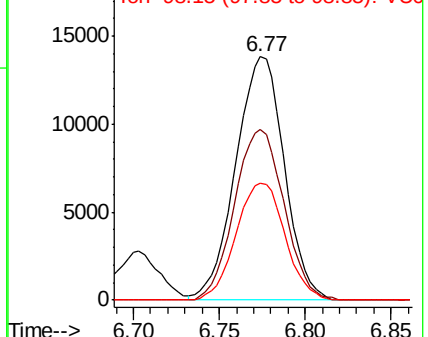
98 48.4 38.7 58.1

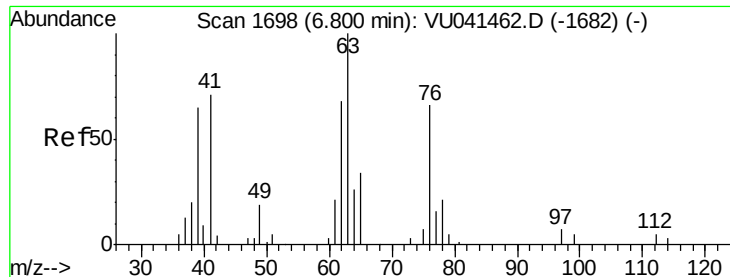


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

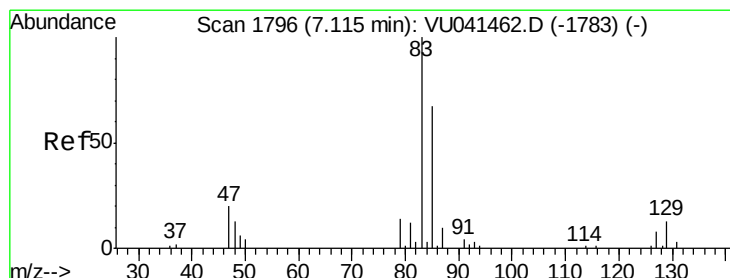
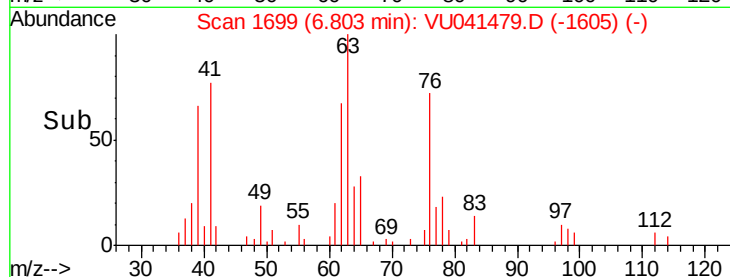
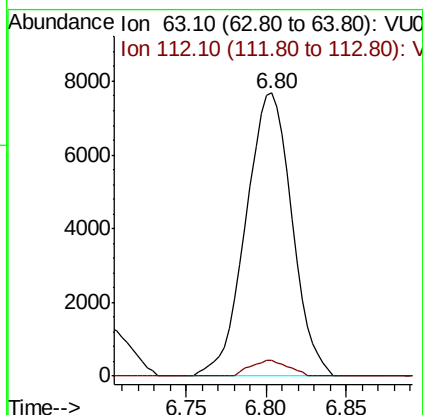
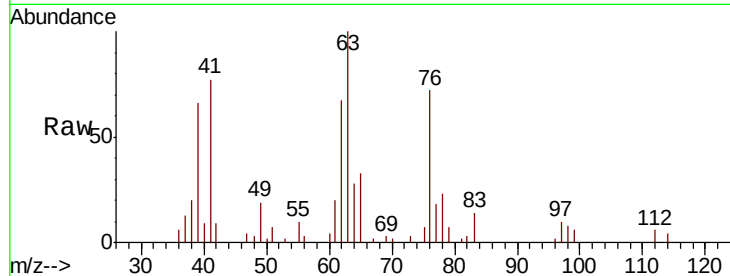




#37
 1,2-Dichloropropane
 Concen: 5.089 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

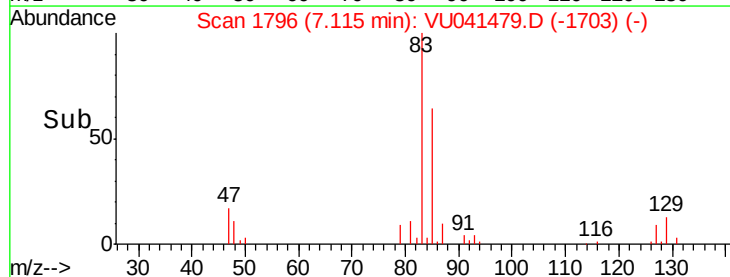
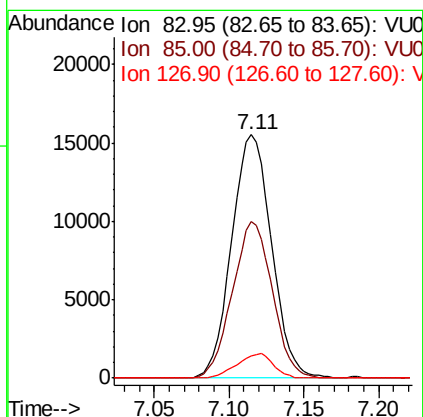
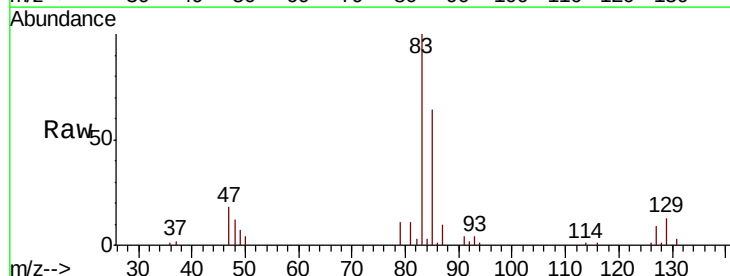
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

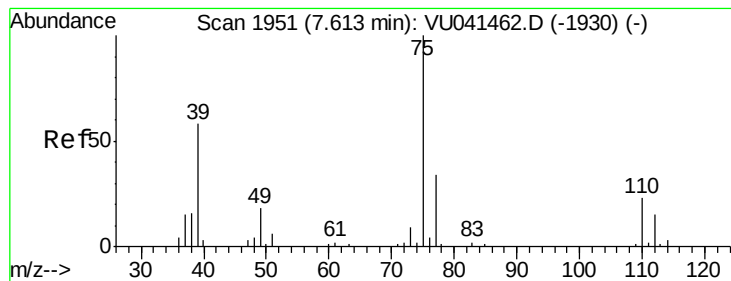
Tot Ion: 63 Resp: 15189
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.2 6.2



#38
 Bromodichloromethane
 Concen: 5.295 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion: 83 Resp: 28870
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.7 86.7
 127 8.9 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 4.944 ug/L

RT: 7.62 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

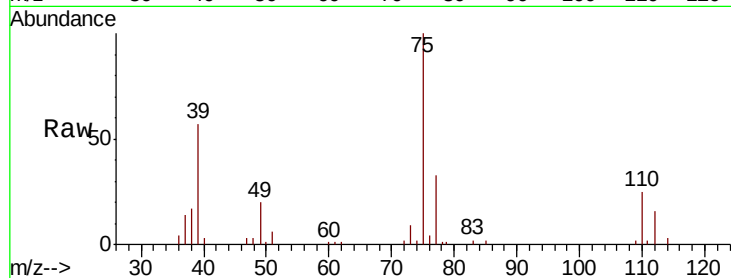
VSTD00528

Tot Ion: 75 Resp: 26659

Ion Ratio Lower Upper

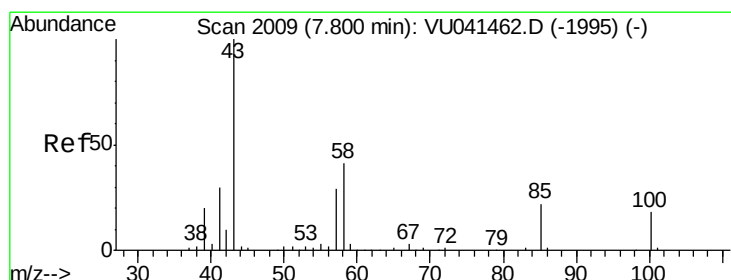
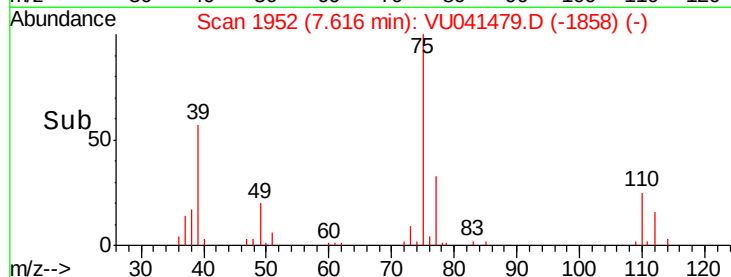
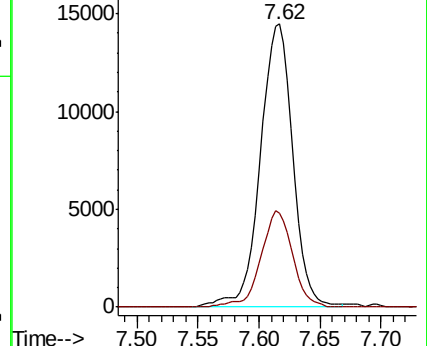
75 100

77 33.4 24.0 44.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#40

4-Methyl-2-pentanone

Concen: 47.417 ug/L

RT: 7.80 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

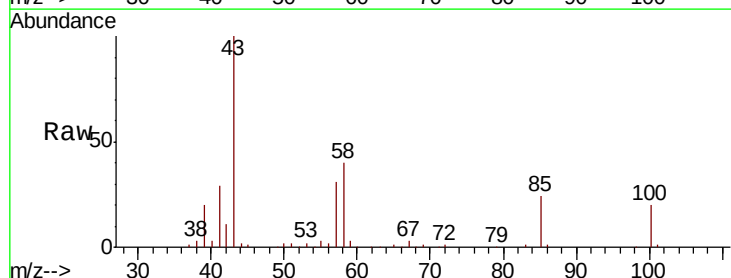
Tgt Ion: 43 Resp: 113390

Ion Ratio Lower Upper

43 100

58 40.3 32.0 48.0

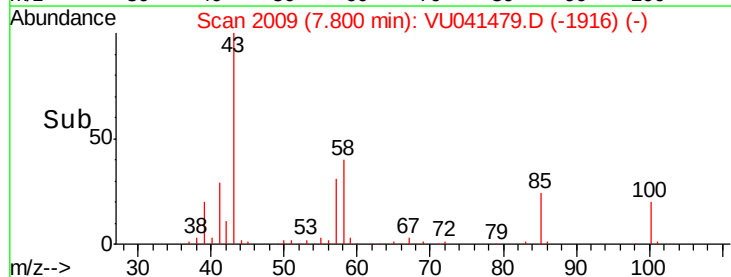
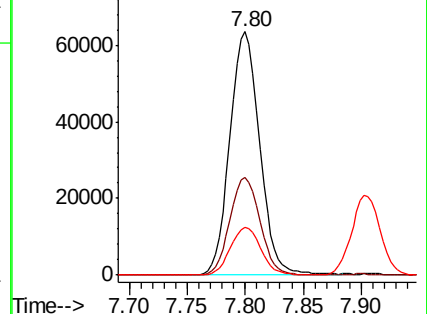
100 19.8 14.2 21.2

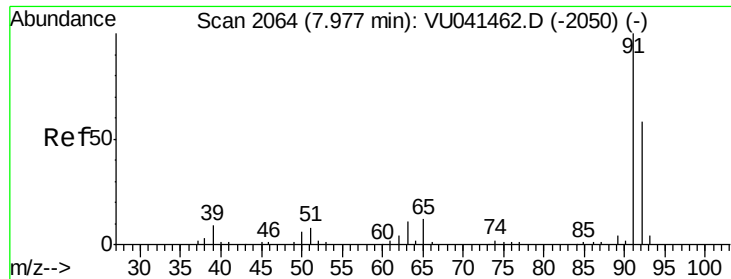


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 100.15 (99.85 to 100.85): VU0





#42

Toluene

Concen: 5.296 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

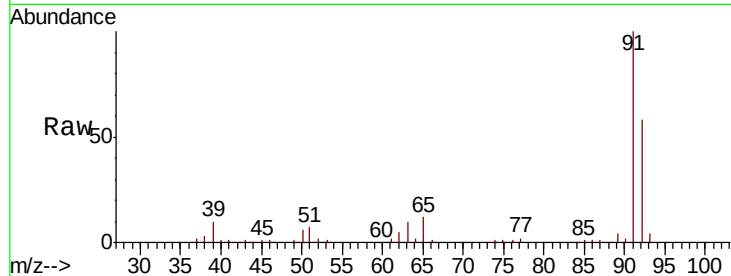
VSTD00528

Tot Ion: 91 Resp: 75915

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

50000

40000

30000

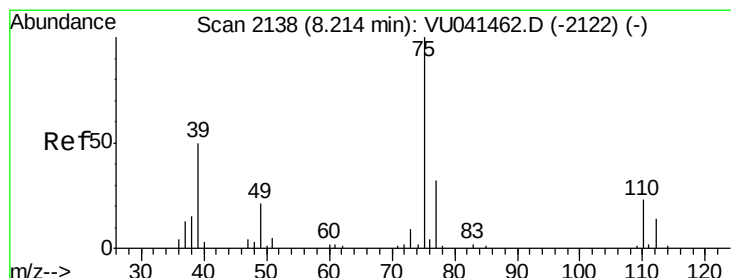
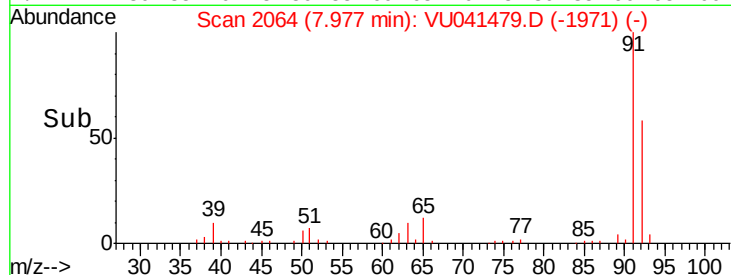
20000

10000

0

Time-->

7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 5.138 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU041479.D

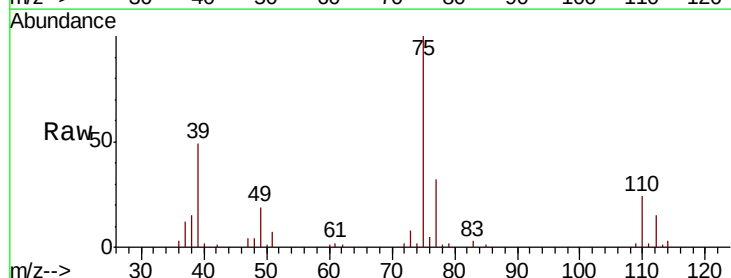
Acq: 04 Dec 2020 18:36

Tgt Ion: 75 Resp: 27666

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

15000

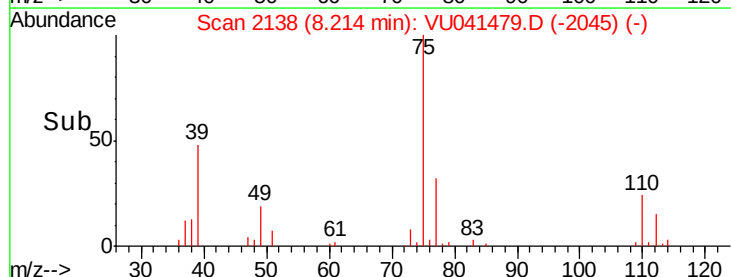
10000

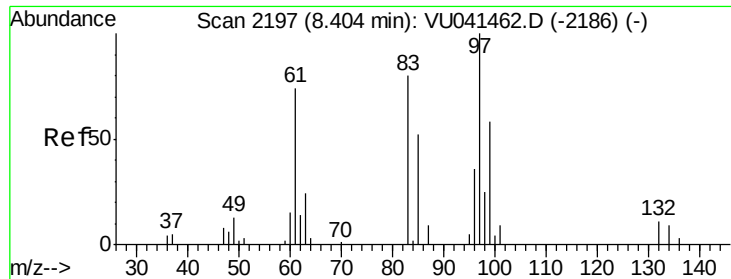
5000

0

Time-->

8.15 8.20 8.25 8.30

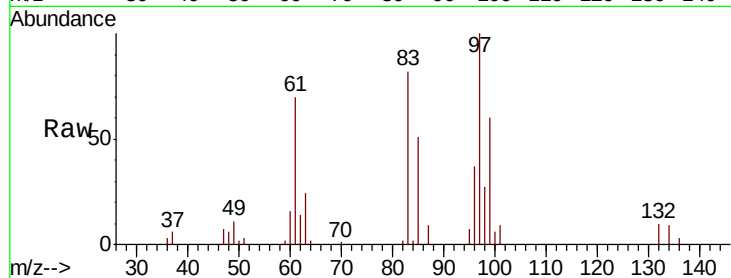




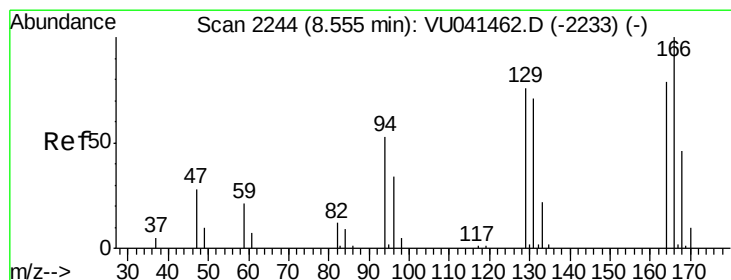
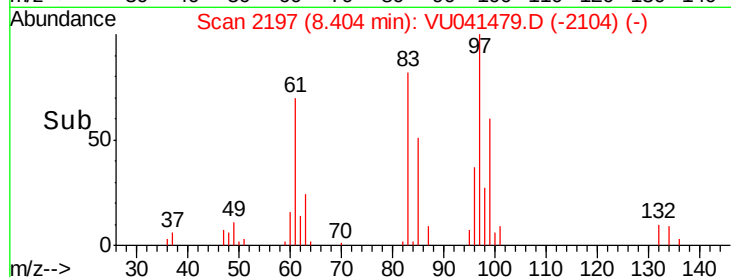
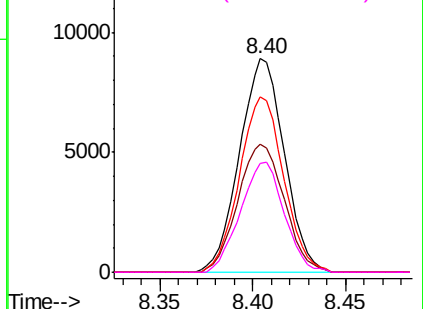
#45
1,1,2-Trichloroethane
Concen: 5.197 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:	97	Resp:	14960
Ion	Ratio	Lower	Upper
97	100		
99	60.2	40.7	75.7
83	81.9	56.2	104.4
85	51.1	36.0	67.0

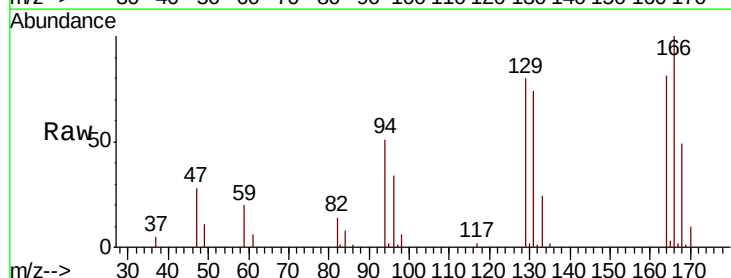


Abundance Ion 96.95 (96.65 to 97.65): VU041479.D (-2104) (-)

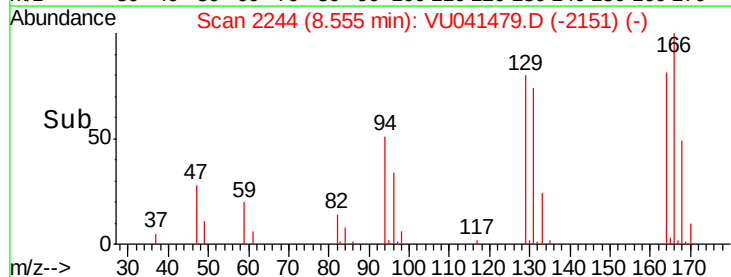
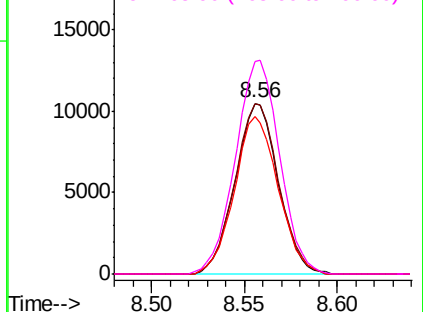


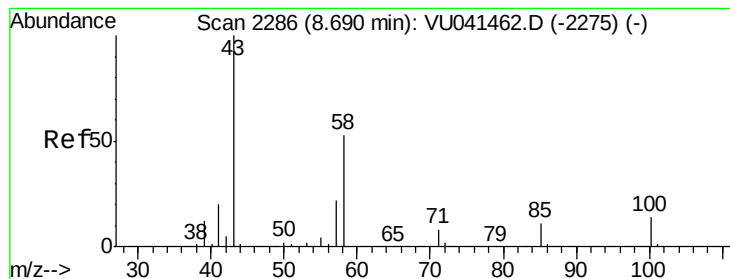
#47
Tetrachloroethene
Concen: 5.566 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion:	164	Resp:	16900
Ion	Ratio	Lower	Upper
164	100		
129	99.8	67.1	124.7
131	92.0	63.3	117.7
166	124.2	88.8	164.8



Abundance Ion 163.90 (163.60 to 164.60): VU041479.D (-2151) (-)





#48

2-Hexanone

Concen: 44.973 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

Tot Ion: 43 Resp: 86418

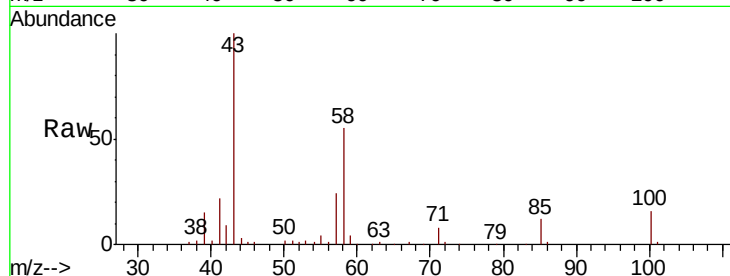
Ion Ratio Lower Upper

43 100

58 55.8 41.4 62.0

57 23.9 17.1 25.7

100 15.5 10.6 16.0

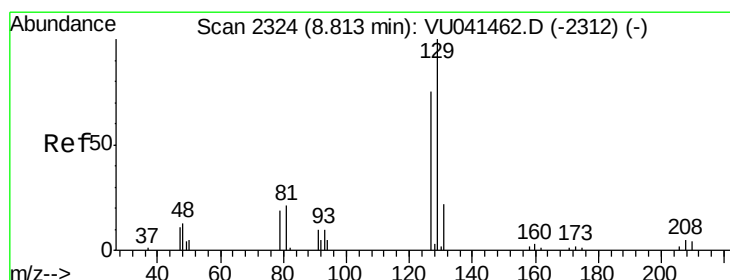
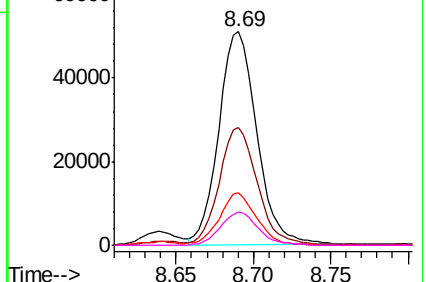
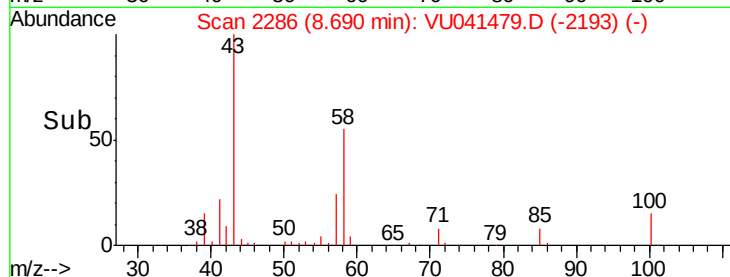


Abundance Ion 43.05 (42.75 to 43.75): VU041479.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041479.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041479.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041479.D (-2193) (-)



#49

Dibromochloromethane

Concen: 5.508 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. 0.00 min

Lab File: VU041479.D

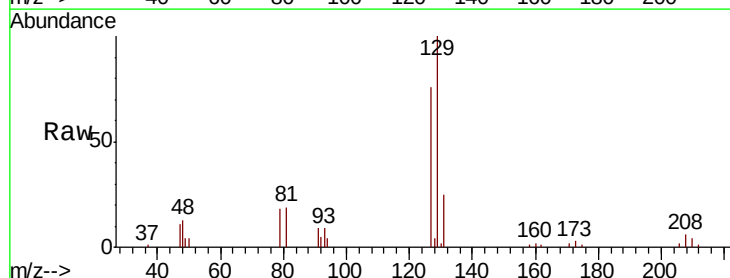
Acq: 04 Dec 2020 18:36

Tgt Ion: 129 Resp: 21601

Ion Ratio Lower Upper

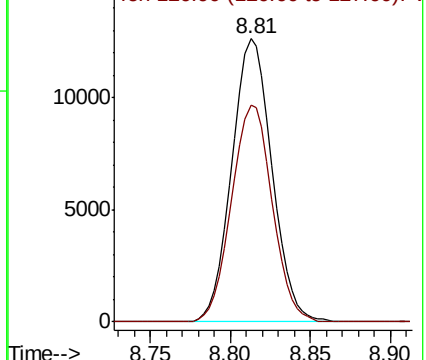
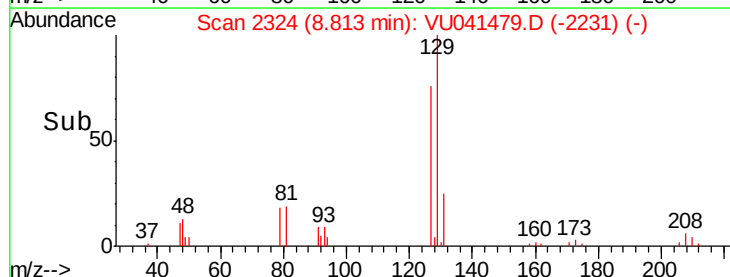
129 100

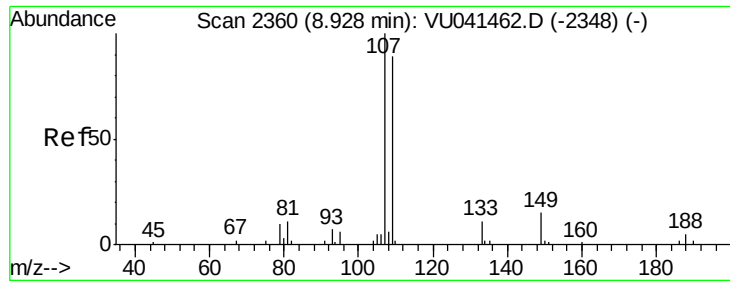
127 76.4 52.4 97.2



Abundance Ion 128.95 (128.65 to 129.65): VU041479.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041479.D (-2231) (-)

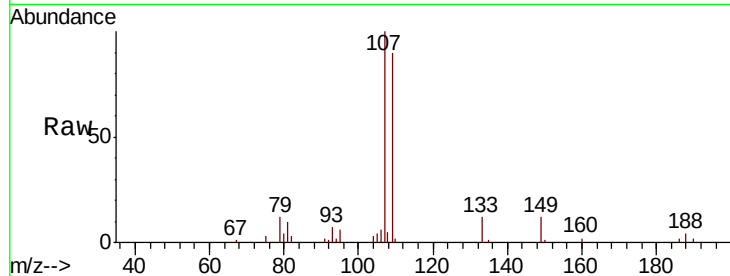




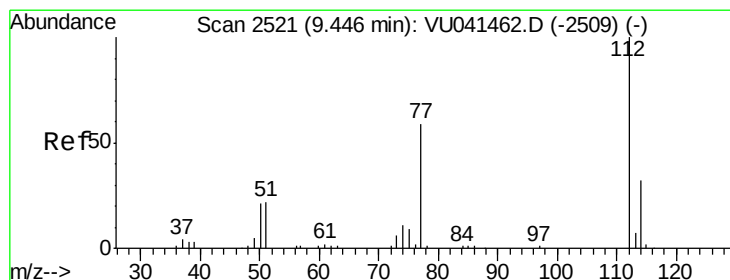
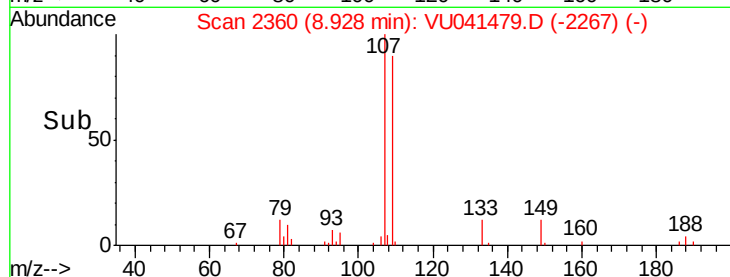
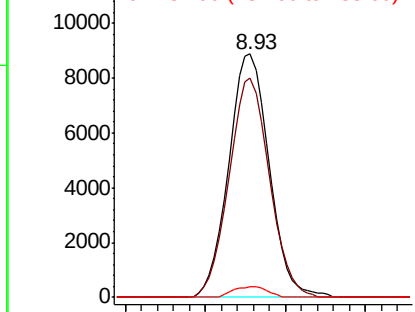
#50
1,2-Dibromoethane
Concen: 5.272 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:107 Resp: 15307
Ion Ratio Lower Upper
107 100
109 90.2 62.3 115.7
188 4.4 4.2 6.4

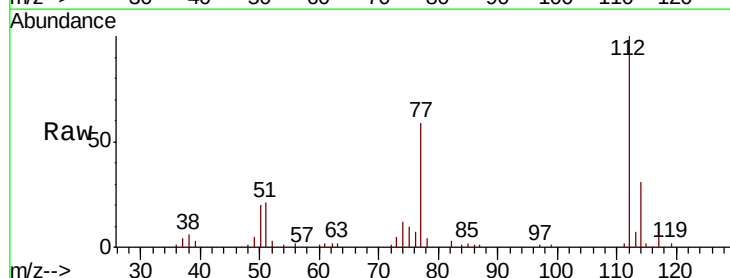


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

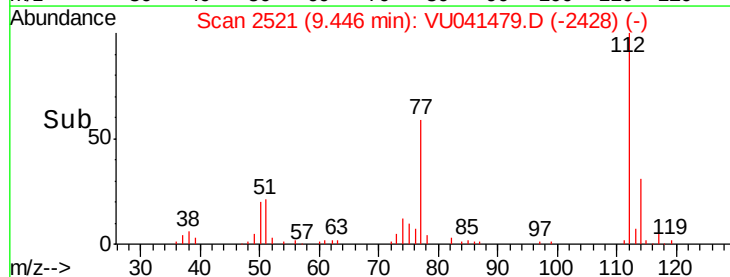
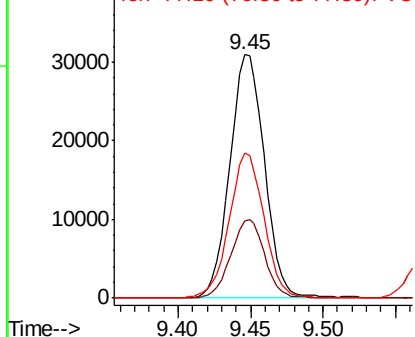


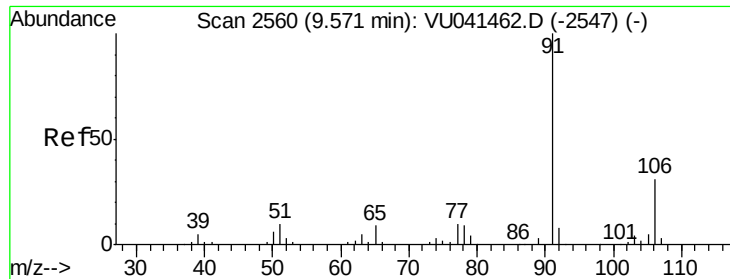
#51
Chlorobenzene
Concen: 5.372 ug/L
RT: 9.45 min Scan# 2521
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion:112 Resp: 51321
Ion Ratio Lower Upper
112 100
114 31.5 22.7 42.1
77 59.3 48.2 72.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.139 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

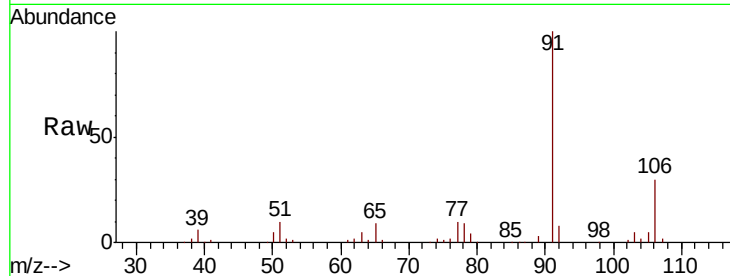
VSTD00528

Tot Ion: 91 Resp: 84424

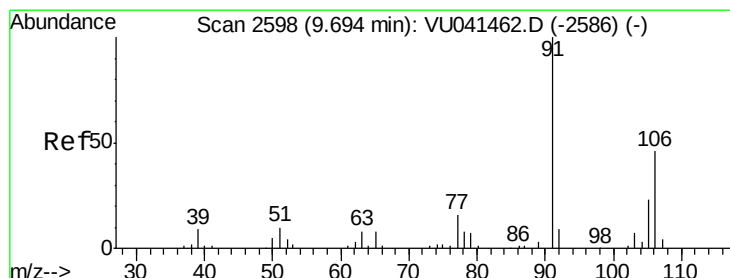
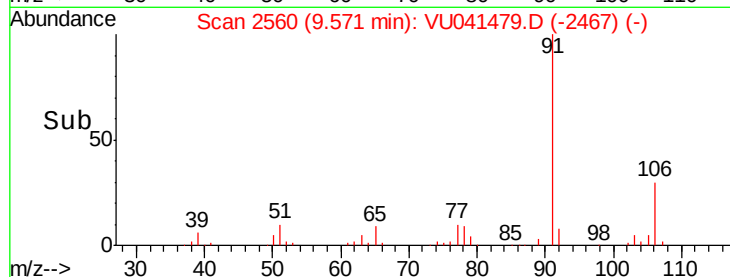
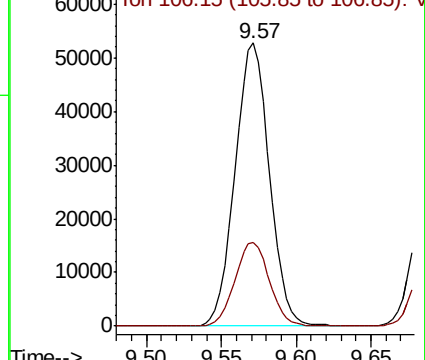
Ion Ratio Lower Upper

91 100

106 29.6 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU041462.D (-2547) (-)



#53

m,p-Xylene

Concen: 5.565 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041479.D

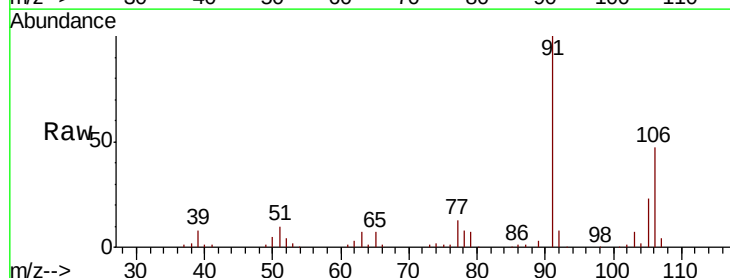
Acq: 04 Dec 2020 18:36

Tgt Ion: 106 Resp: 33186

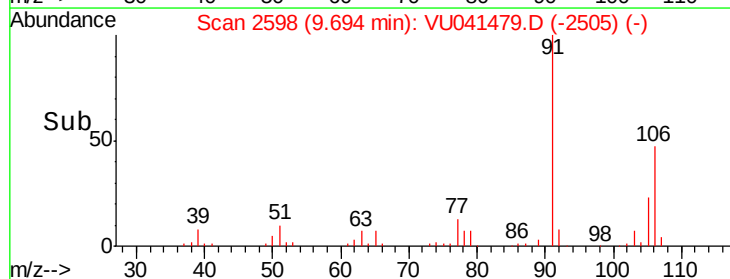
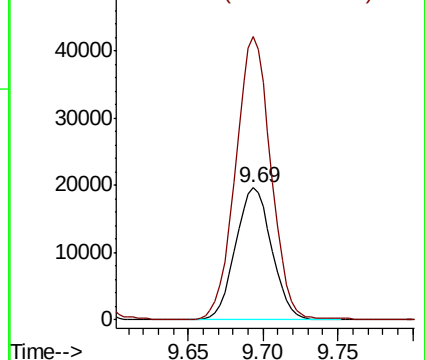
Ion Ratio Lower Upper

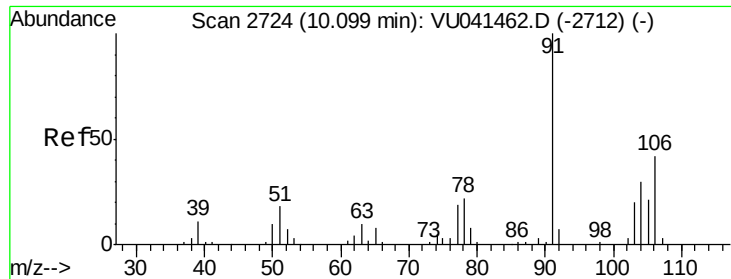
106 100

91 214.6 151.8 282.0



Abundance Ion 106.15 (105.85 to 106.85): VU041462.D (-2586) (-)

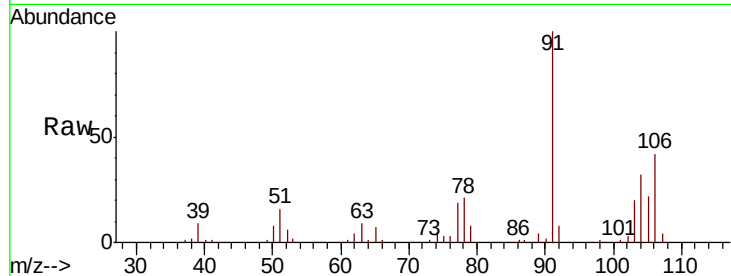




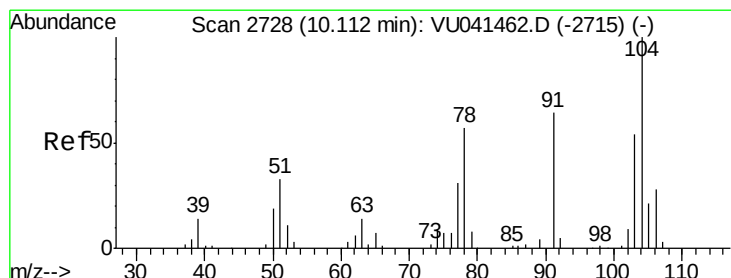
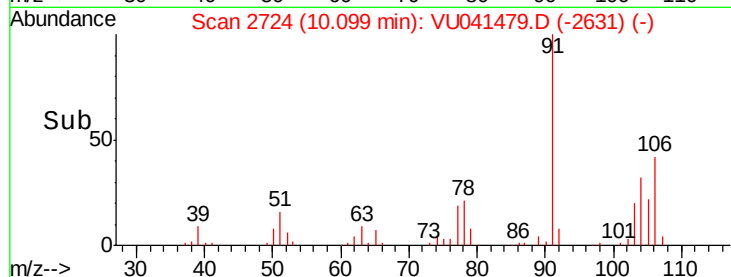
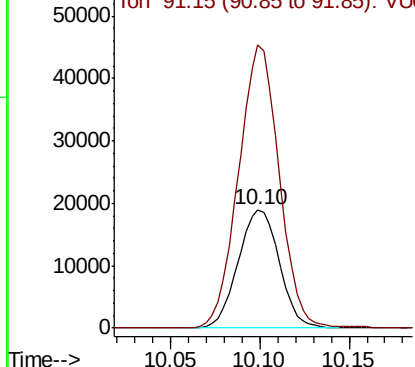
#54
o-Xylene
Concen: 5.268 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Instrument :
MSVOA_U
ClientSampled :
VSTD00528

Tot Ion:106 Resp: 30454
Ion Ratio Lower Upper
106 100
91 239.4 165.8 308.0

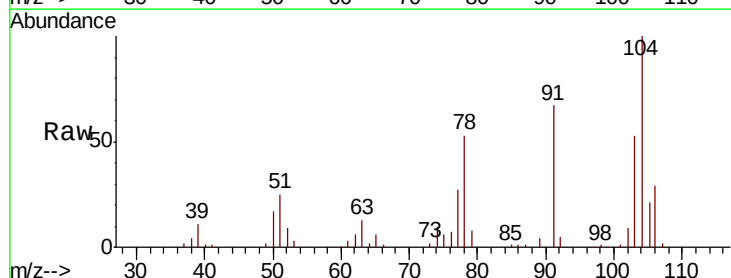


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

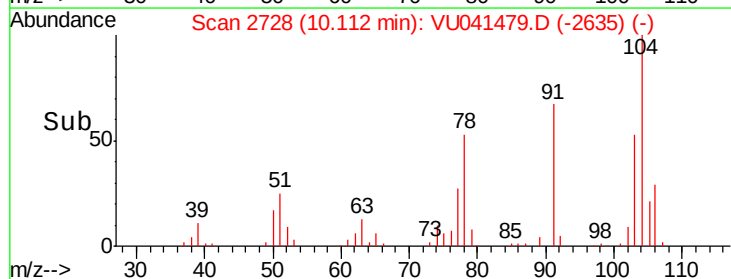
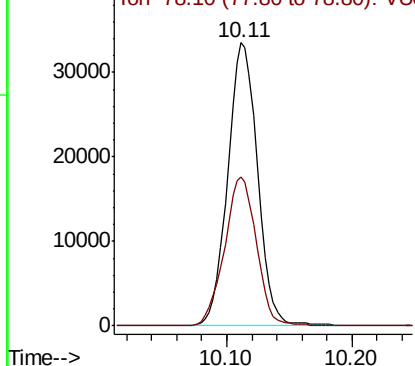


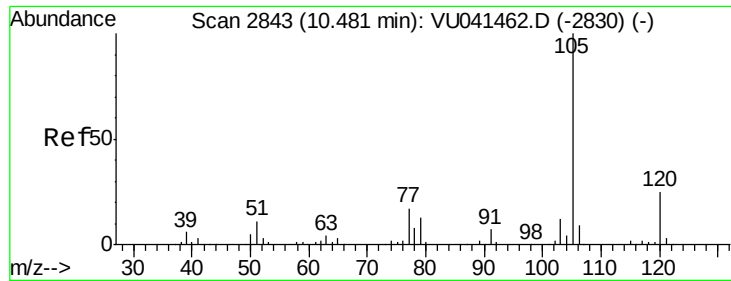
#55
Styrene
Concen: 5.654 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. 0.00 min
Lab File: VU041479.D
Acq: 04 Dec 2020 18:36

Tgt Ion:104 Resp: 55505
Ion Ratio Lower Upper
104 100
78 52.7 39.8 74.0



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





#56

Isopropylbenzene

Concen: 5.412 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

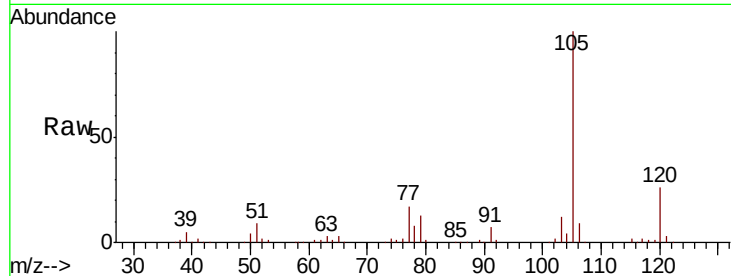
Tot Ion:105 Resp: 88333

Ion Ratio Lower Upper

105 100

120 25.4 20.0 30.0

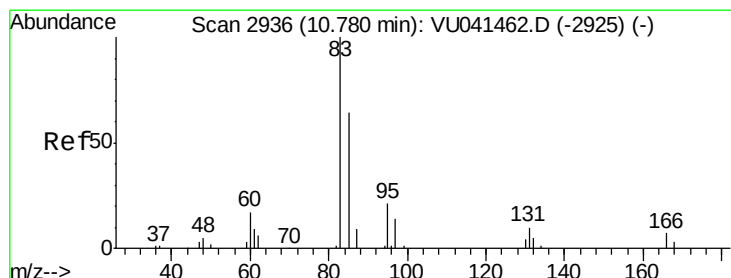
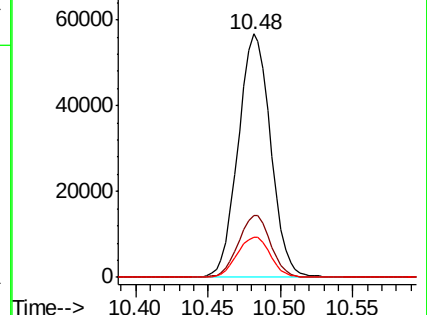
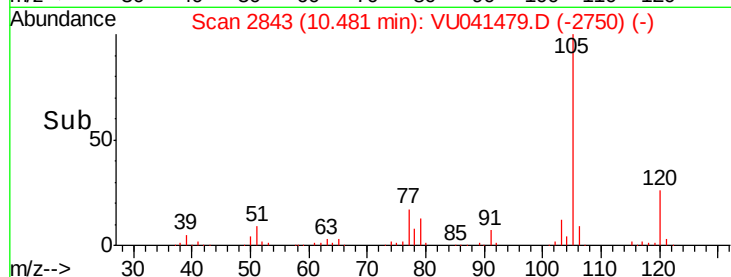
77 17.0 13.9 20.9



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: 4.984 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

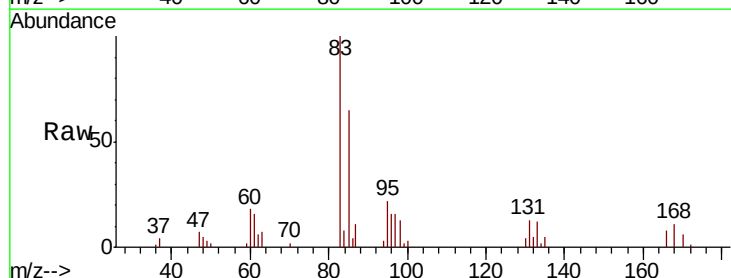
Tgt Ion: 83 Resp: 17624

Ion Ratio Lower Upper

83 100

85 64.9 45.2 84.0

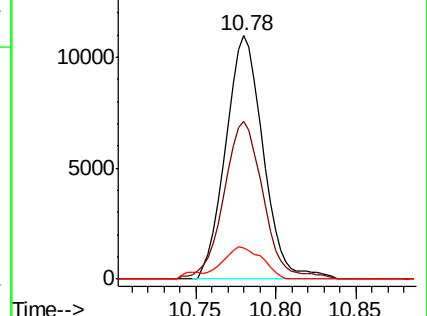
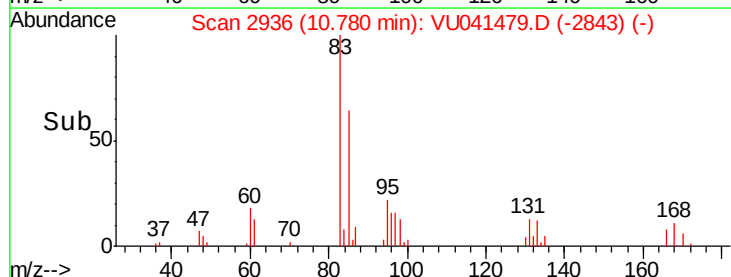
131 12.9 9.1 13.7

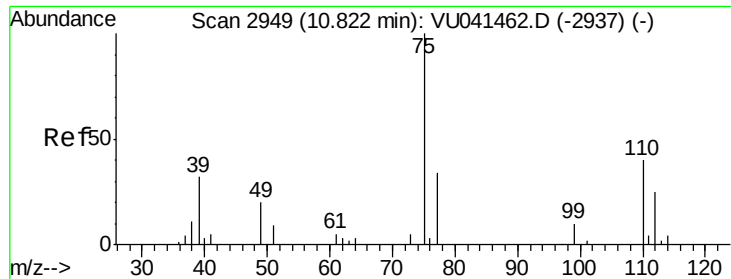


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

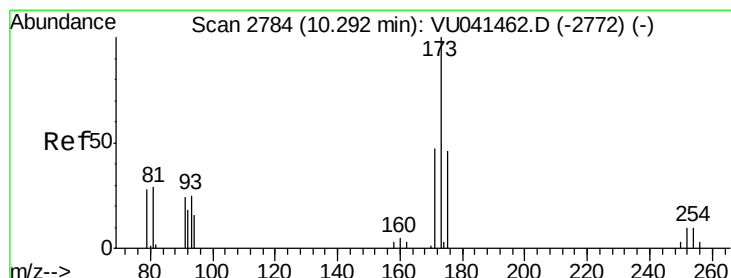
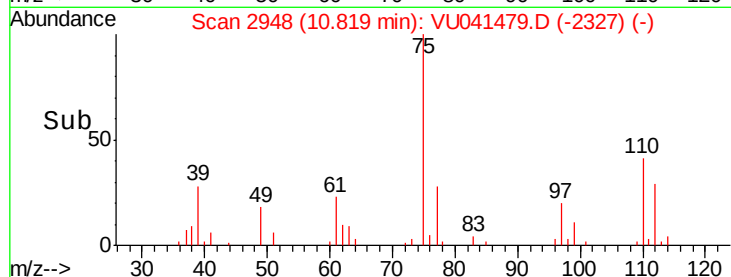
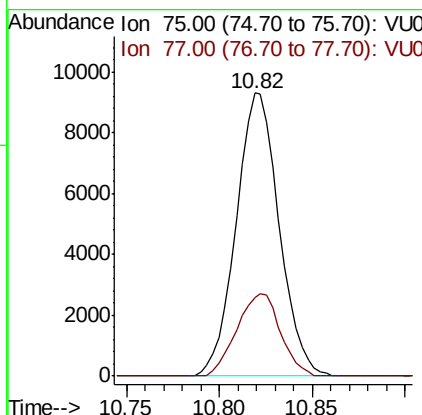
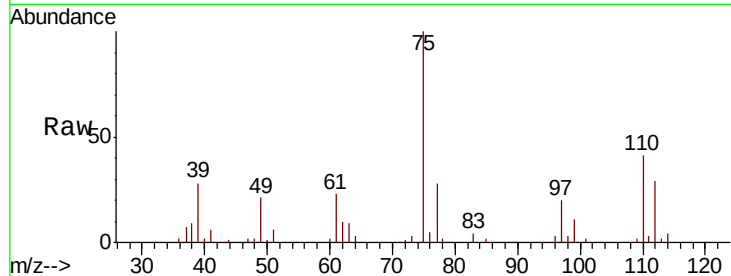




#59
 1,2,3-Trichloropropane
 Concen: 5.159 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

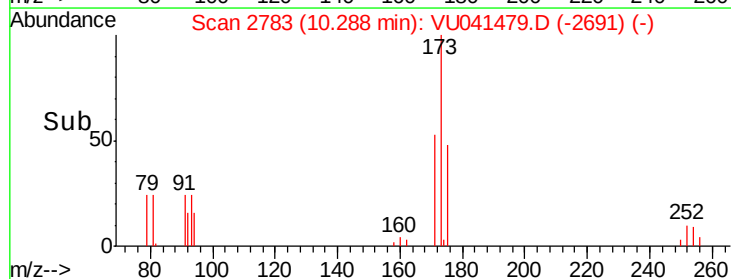
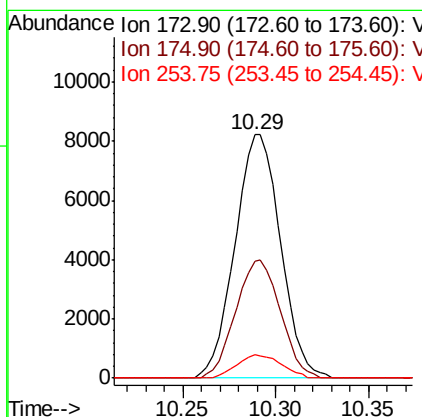
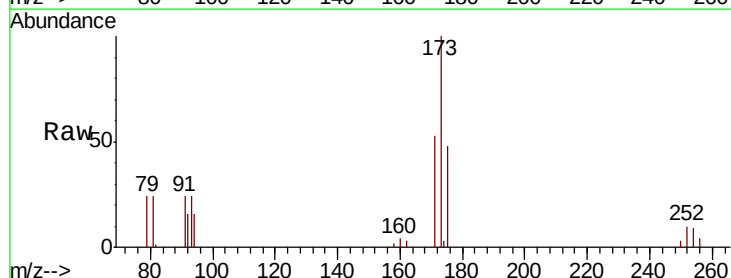
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

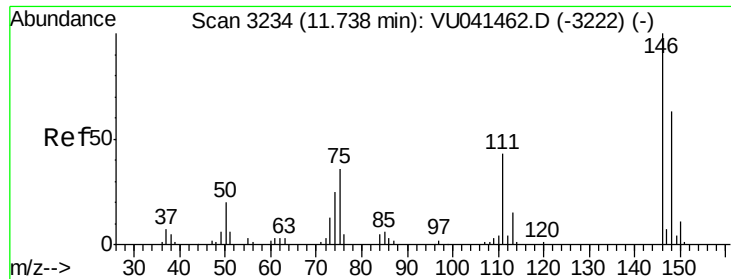
Tot Ion: 75 Resp: 14940
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.3 39.5



#61
 Bromoform
 Concen: 5.554 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion: 173 Resp: 14021
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.8 58.2
 254 9.3 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 5.354 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

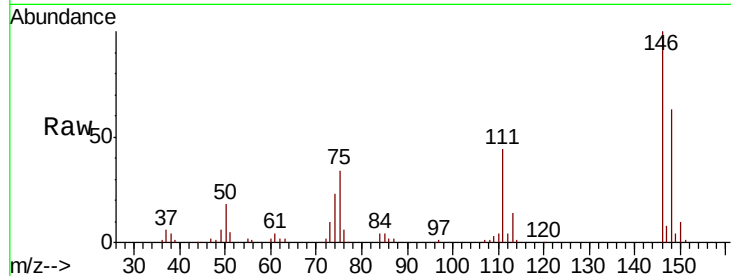
Tot Ion:146 Resp: 45336

Ion Ratio Lower Upper

146 100

111 43.6 30.2 56.0

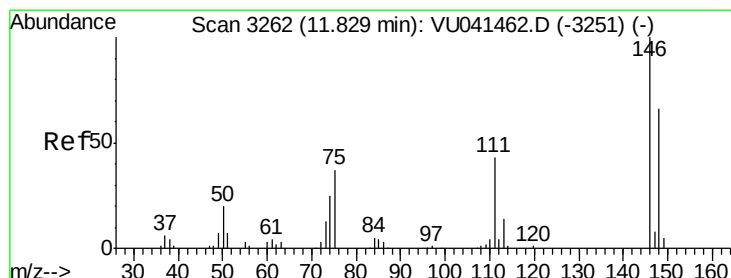
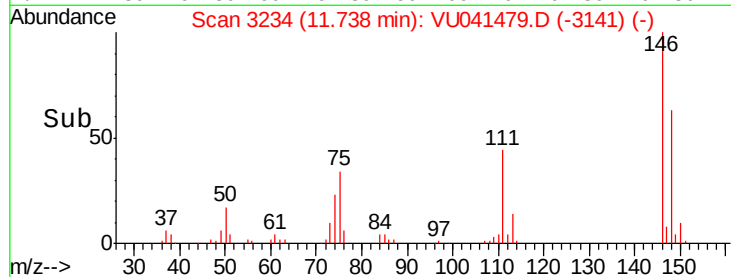
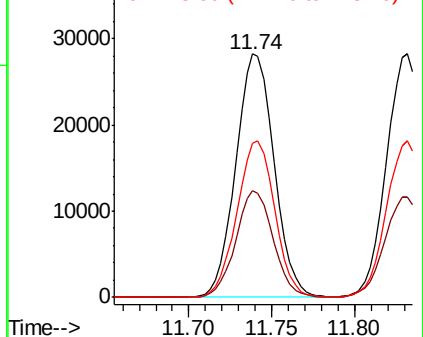
148 63.2 44.0 81.6



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



#63

1,4-Dichlorobenzene

Concen: 5.168 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

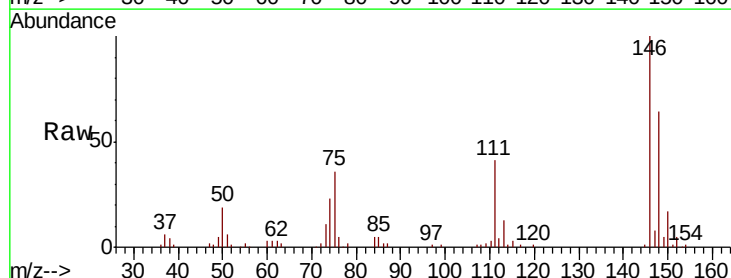
Tgt Ion:146 Resp: 44860

Ion Ratio Lower Upper

146 100

111 41.4 30.7 57.1

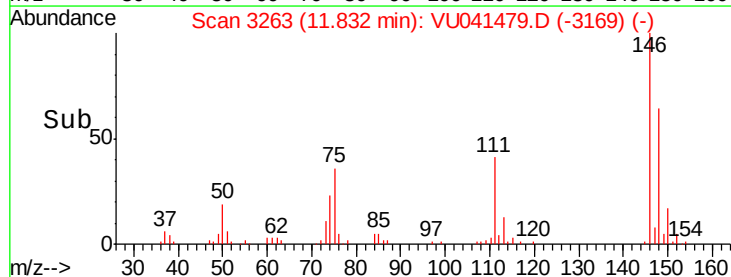
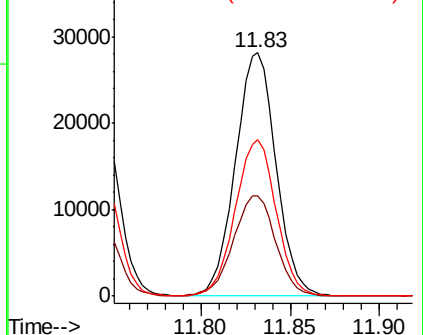
148 64.2 45.8 85.2

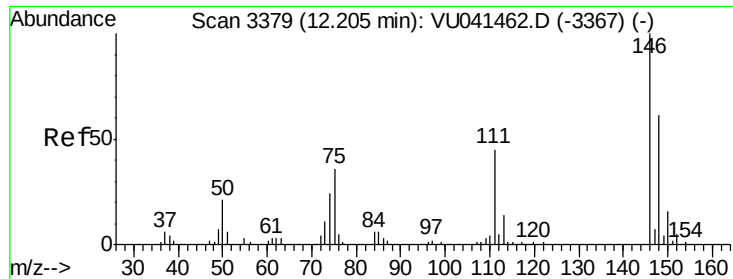


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

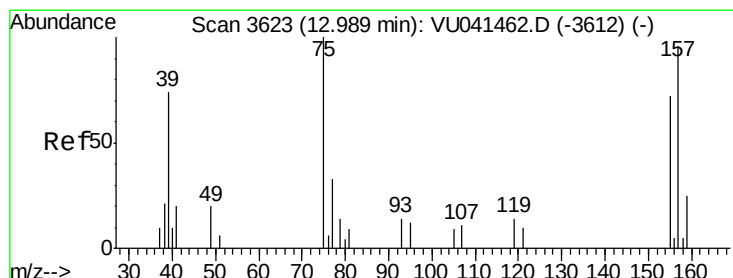
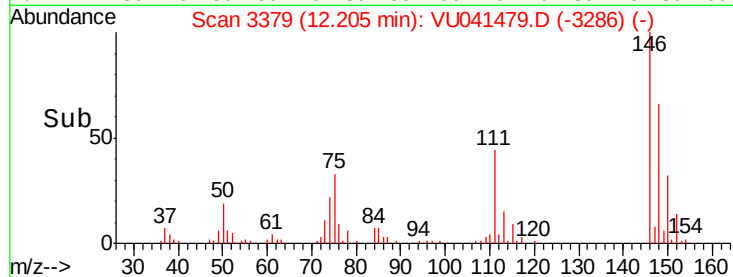
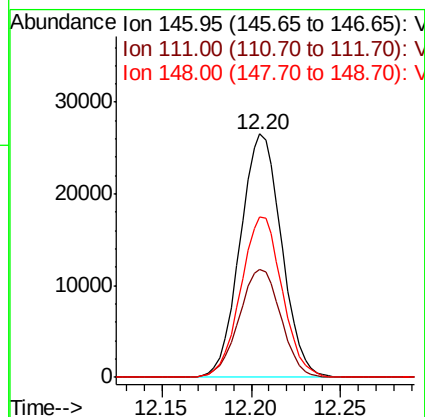
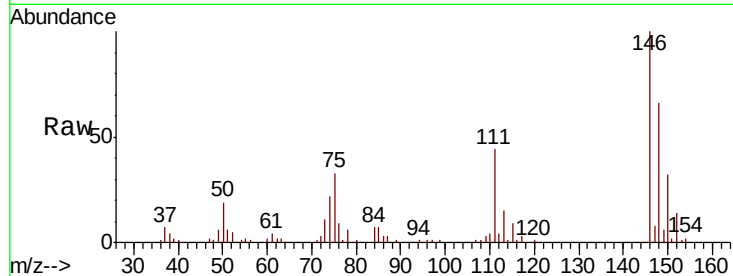




#65
 1,2-Dichlorobenzene
 Concen: 5.124 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

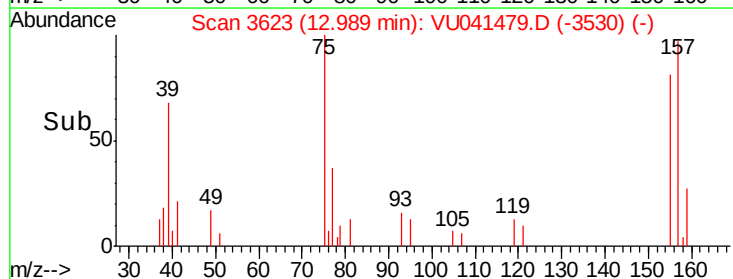
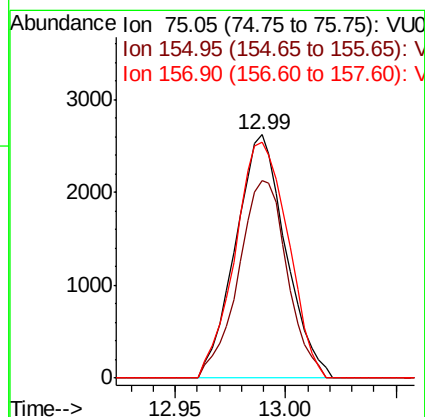
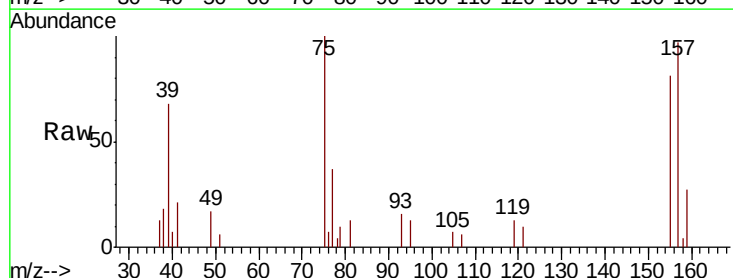
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

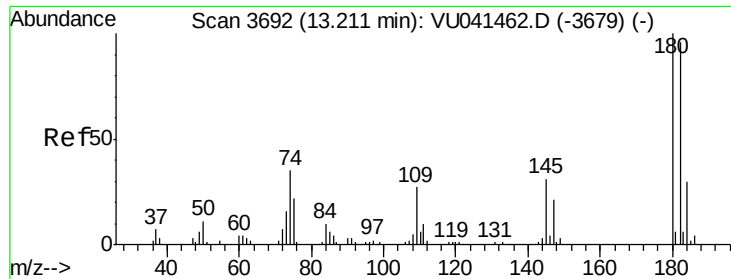
Tot Ion:146 Resp: 42956
 Ion Ratio Lower Upper
 146 100
 111 44.5 36.0 54.0
 148 65.9 49.0 73.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.052 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion: 75 Resp: 4148
 Ion Ratio Lower Upper
 75 100
 155 81.0 58.0 87.0
 157 97.1 77.1 115.7

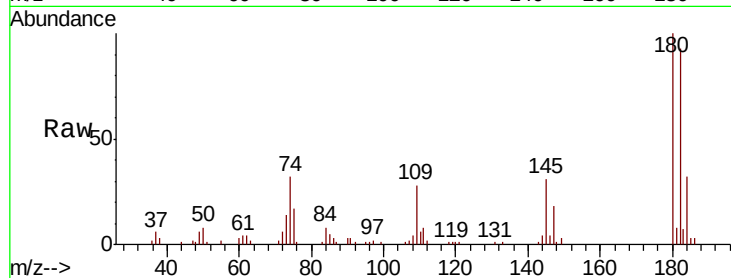




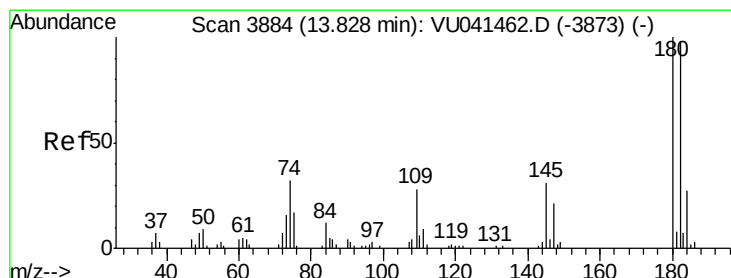
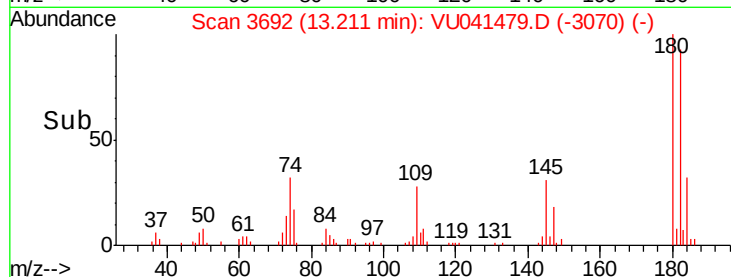
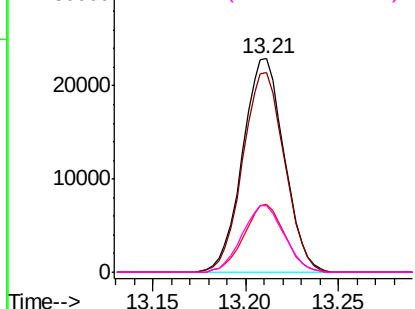
#67
 1,3,5-Trichlorobenzene
 Concen: 5.279 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:180 Resp: 35718
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.3 114.5
 184 31.0 23.8 35.6
 145 31.6 25.1 37.7

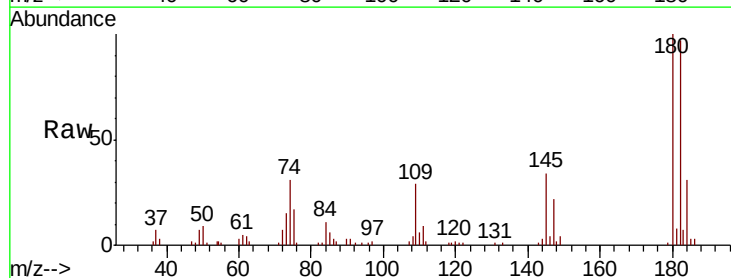


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

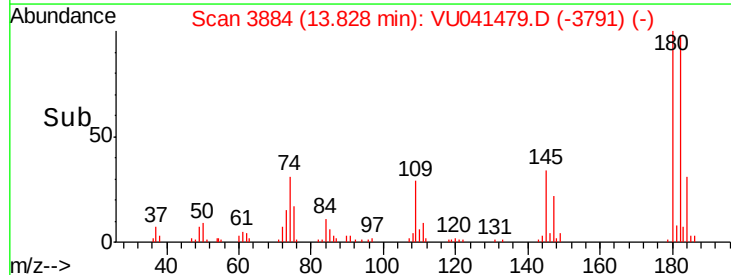
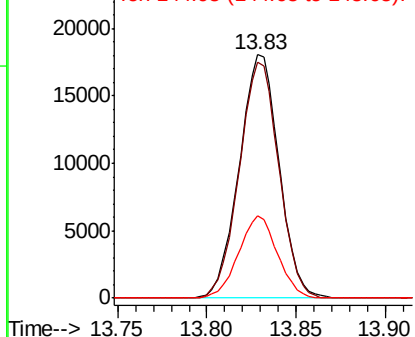


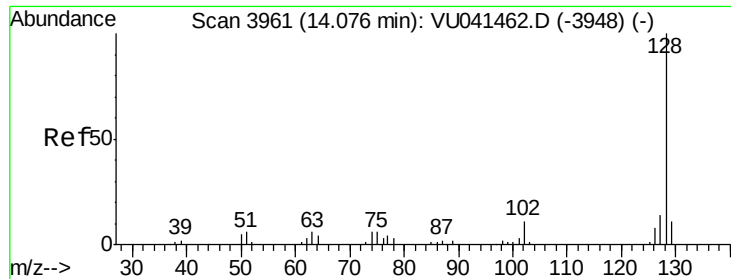
#68
 1,2,4-trichlorobenzene
 Concen: 5.202 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041479.D
 Acq: 04 Dec 2020 18:36

Tgt Ion:180 Resp: 28173
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.8 116.8
 145 32.8 26.4 39.6



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





#69

Naphthalene

Concen: 5.068 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

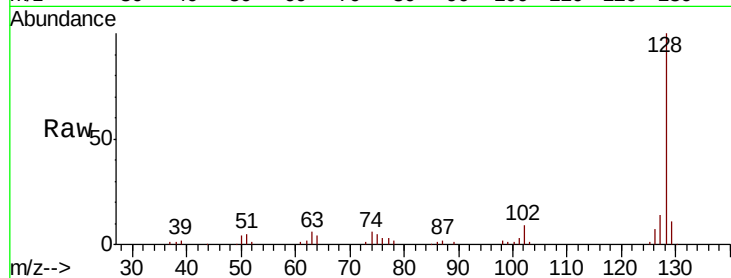
Tot Ion:128 Resp: 43125

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

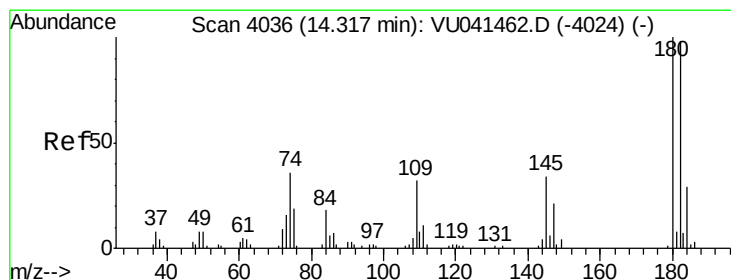
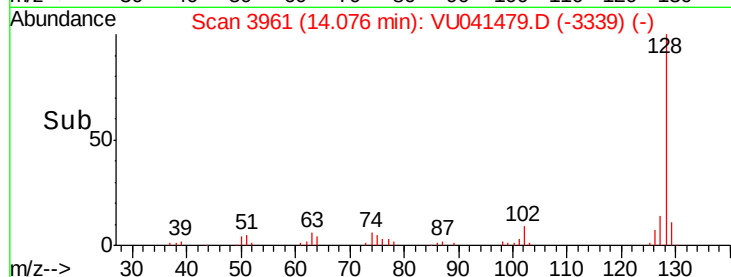
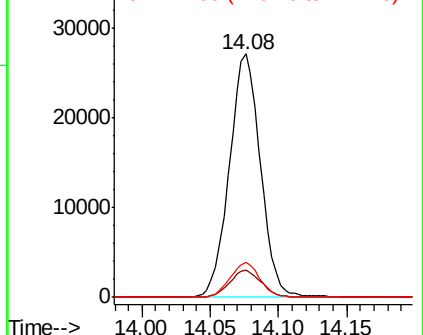
127 13.7 10.9 16.3



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: 5.467 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041479.D

Acq: 04 Dec 2020 18:36

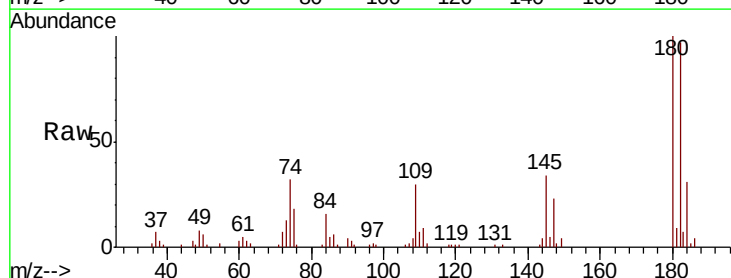
Tgt Ion:180 Resp: 26205

Ion Ratio Lower Upper

180 100

182 95.8 79.1 118.7

145 34.2 27.8 41.8



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

