

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111020\
 Data File : VU041195.D
 Acq On : 11 Nov 2020 10:43
 Operator : SY/MD
 Sample : VU1110WBL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK21

Quant Time: Nov 11 13:26:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 11 13:19:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	52291	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	55287	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	25057	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	20686	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	19223	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.80%
11) 1,1-Dichloroethene-d2	2.58	63	32697	3.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.80%
20) 2-Butanone-d5	4.65	46	76407	52.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.64%
24) Chloroform-d	5.08	84	47319	6.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.00%
26) 1,2-Dichloroethane-d4	5.72	65	27069	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.40%
32) Benzene-d6	5.74	84	72822	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	24150	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.90	98	66437	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	8.19	79	10247	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	48998	43.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	24682	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	24442	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

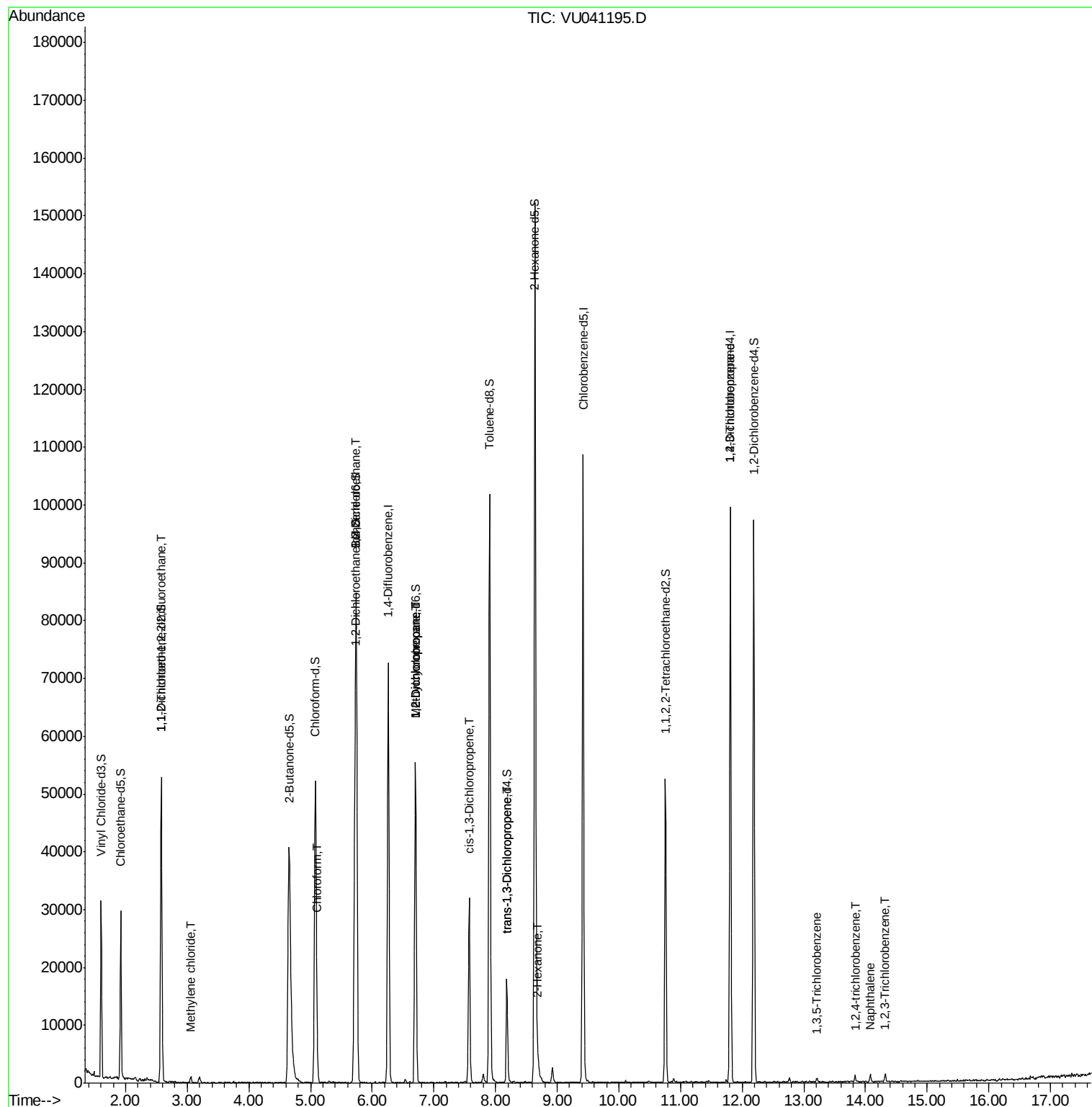
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	193	0.049	ug/L #	22
16) Methylene chloride	3.06	84	513	0.119	ug/L #	53
25) Chloroform	5.11	83	1313	0.174	ug/L	100
27) 1,2-Dichloroethane	5.74	62	450	0.080	ug/L #	74
35) Methylcyclohexane	6.70	83	5729	0.914	ug/L #	13
37) 1,2-Dichloropropane	6.70	63	2853	0.638	ug/L #	86
39) cis-1,3-Dichloropropene	7.58	75	792	0.129	ug/L #	74
44) trans-1,3-Dichloropropene	8.18	75	472	0.082	ug/L #	41
48) 2-Hexanone	8.69	43	2212	0.824	ug/L #	83
59) 1,2,3-Trichloropropane	11.81	75	3253	0.976	ug/L #	84
67) 1,3,5-Trichlorobenzene	13.21	180	422	0.083	ug/L #	65
68) 1,2,4-trichlorobenzene	13.83	180	548	0.131	ug/L #	82
69) Naphthalene	14.08	128	1546	0.206	ug/L #	77
70) 1,2,3-Trichlorobenzene	14.32	180	553	0.143	ug/L #	78

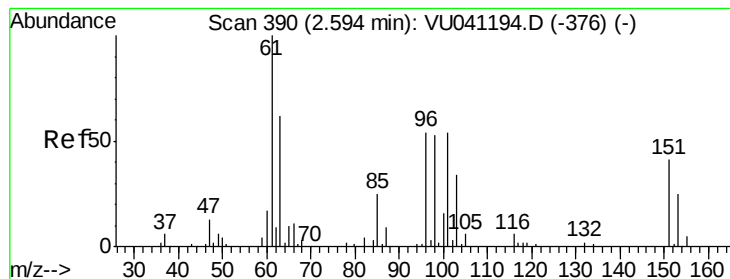
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.049 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041195.D

Acq: 11 Nov 2020 10:43

Instrument :

MSVOA_U

ClientSampled :

VBLK21

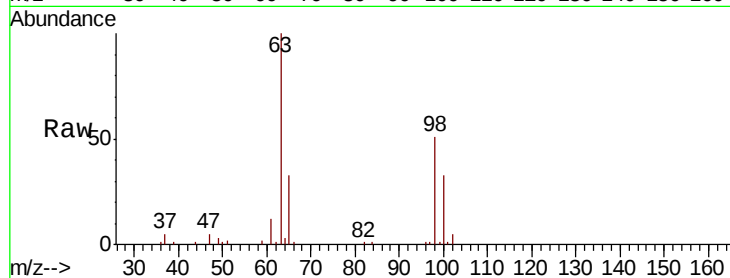
Tot Ion:101 Resp: 193

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#



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

250

200

150

100

50

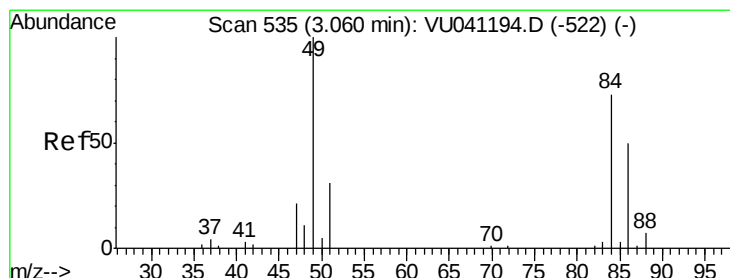
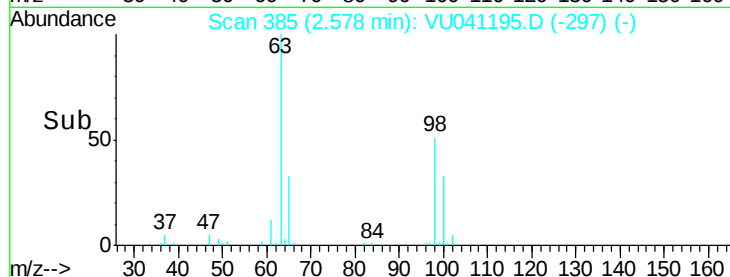
0

2.56

2.58

2.60

Time-->



#16

Methylene chloride

Concen: 0.119 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041195.D

Acq: 11 Nov 2020 10:43

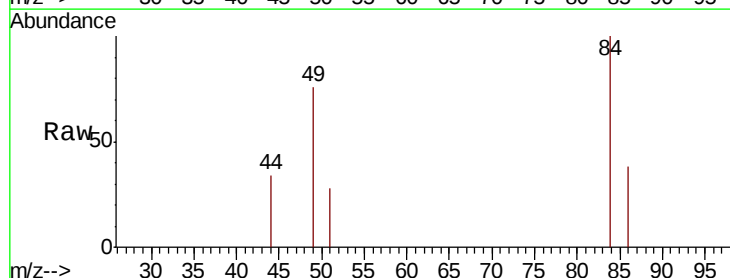
Tgt Ion: 84 Resp: 513

Ion Ratio Lower Upper

84 100

86 38.2 42.8 79.6#

49 76.1 99.5 184.7#



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

500

400

300

200

100

0

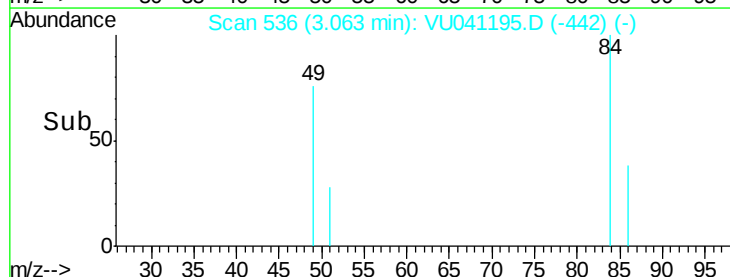
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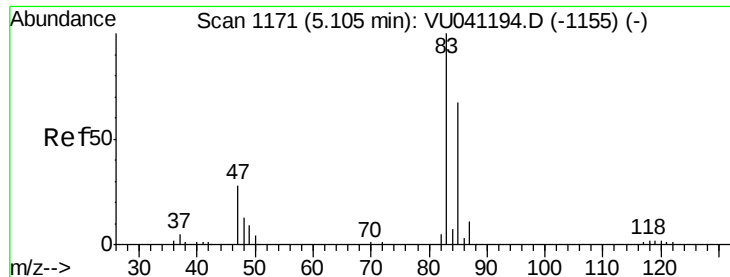
3.04

3.06

3.08

Time-->

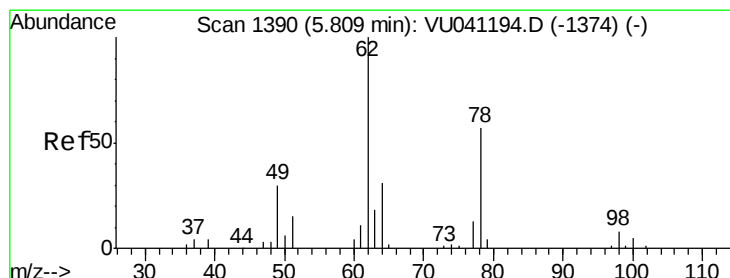
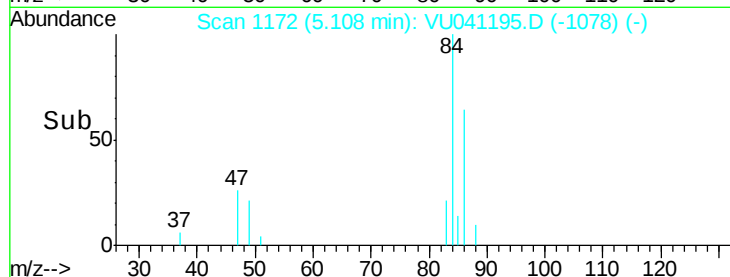
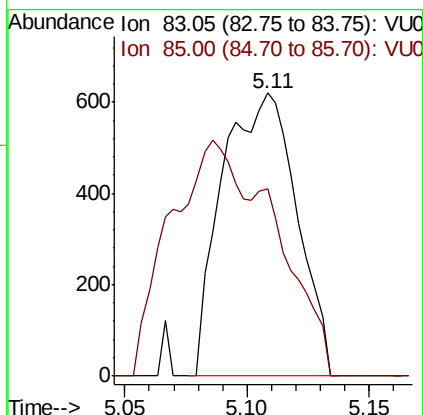
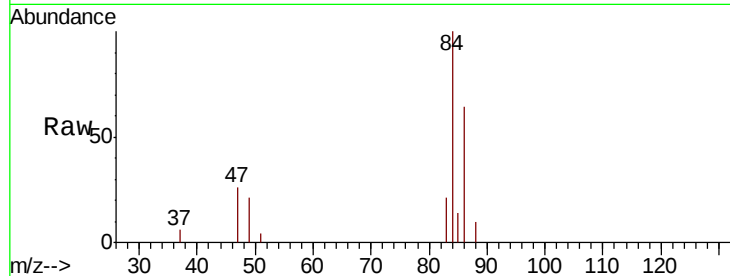




#25
Chloroform
Concen: 0.174 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

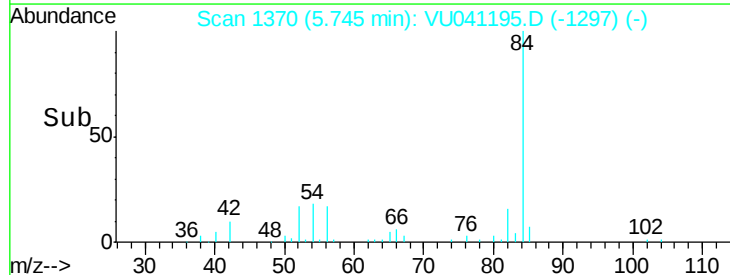
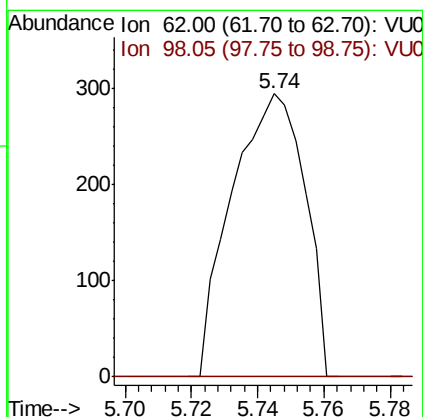
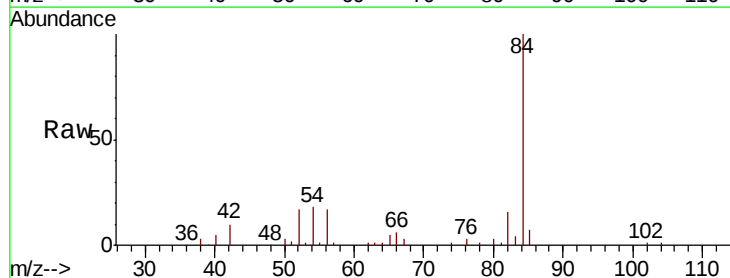
Instrument :
MSVOA_U
ClientSampleId :
VBLK21

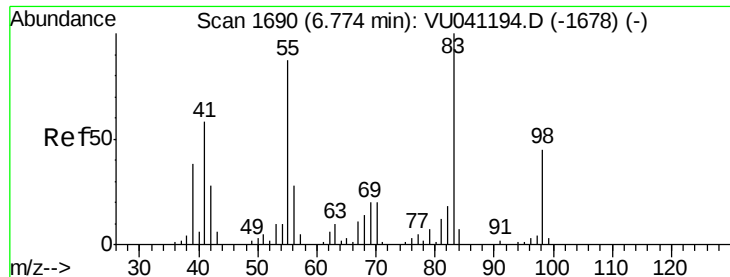
Tot Ion: 83 Resp: 1313
Ion Ratio Lower Upper
83 100
85 66.1 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.080 ug/L
RT: 5.74 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Tgt Ion: 62 Resp: 450
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#

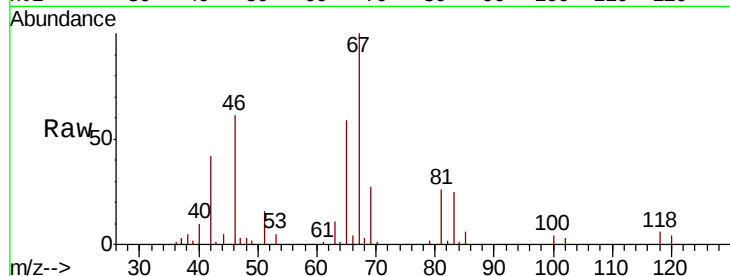




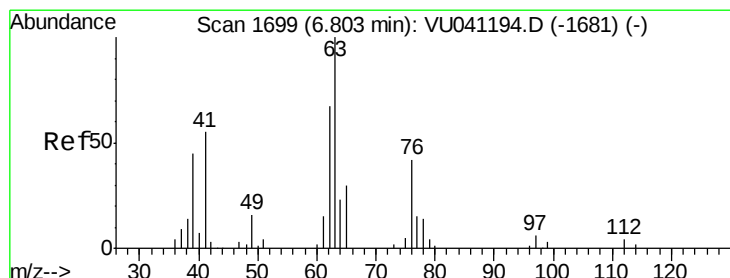
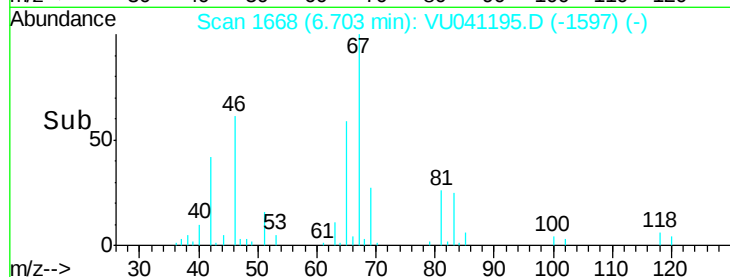
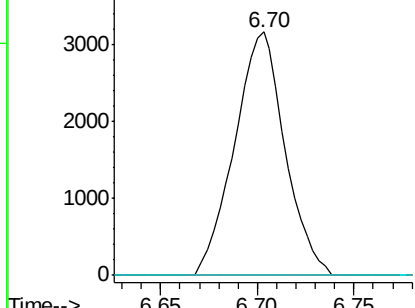
#35
Methvlcvclohexane
Concen: 0.914 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Instrument :
MSVOA_U
ClientSampleId :
VBLK21

Tot Ion: 83 Resp: 5729
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 0.0 36.6 55.0#

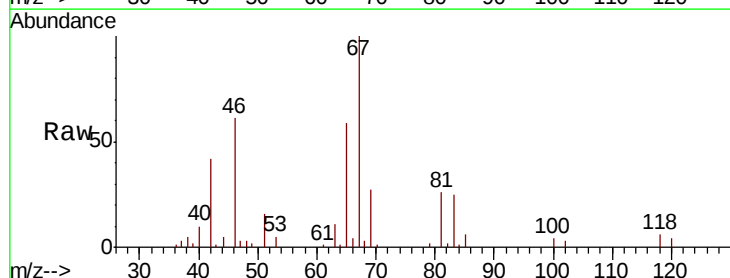


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

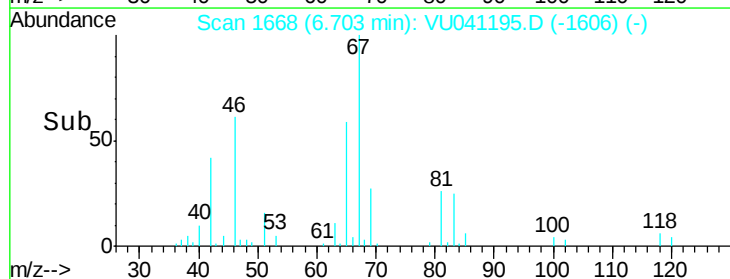
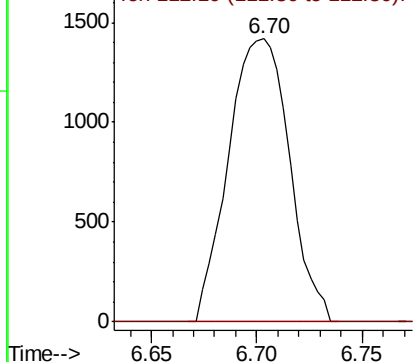


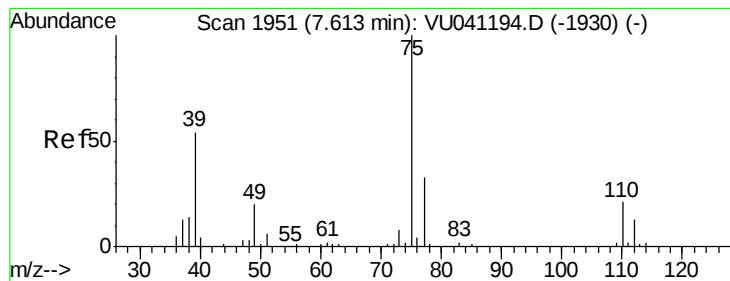
#37
1,2-Dichloropropane
Concen: 0.638 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Tgt Ion: 63 Resp: 2853
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



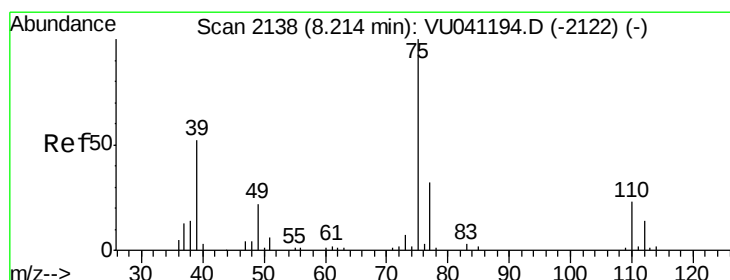
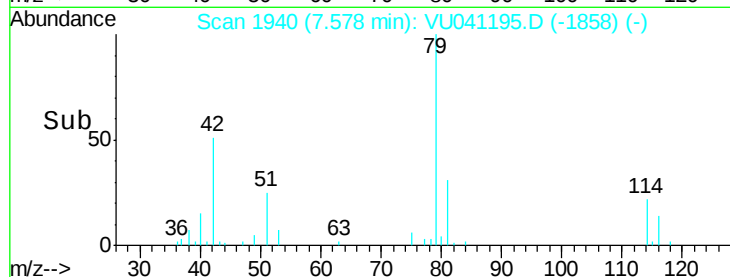
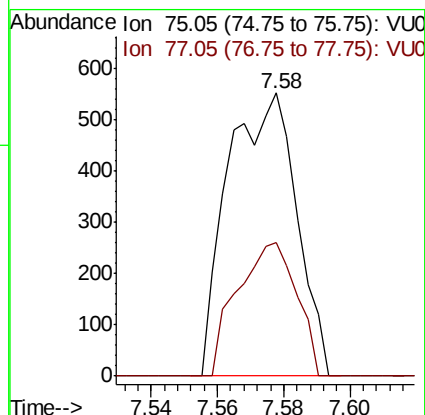
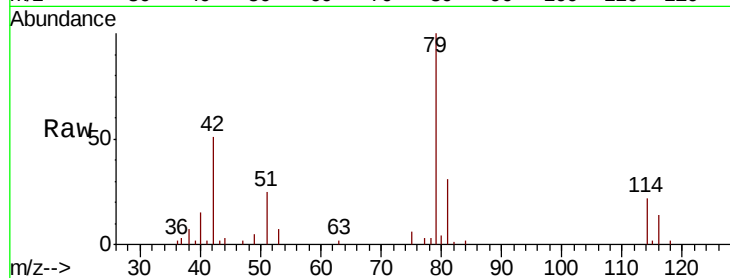


#39

cis-1,3-Dichloropropene
Concen: 0.129 ug/L
RT: 7.58 min Scan# 1940
Delta R.T. -0.04 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Instrument :
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ClientSampleId :
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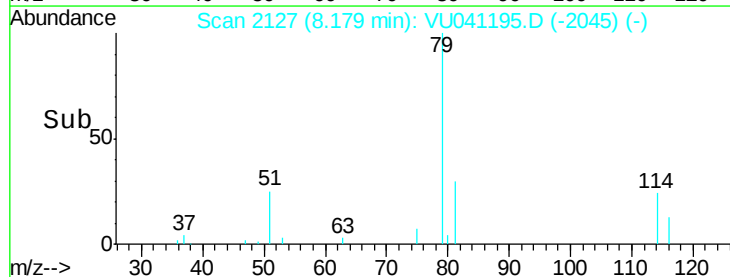
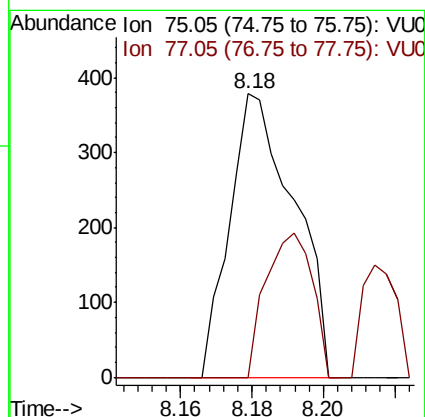
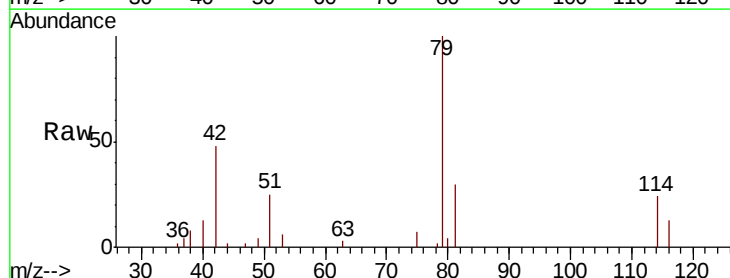
Tot Ion: 75 Resp: 792
Ion Ratio Lower Upper
75 100
77 47.1 22.7 42.3#

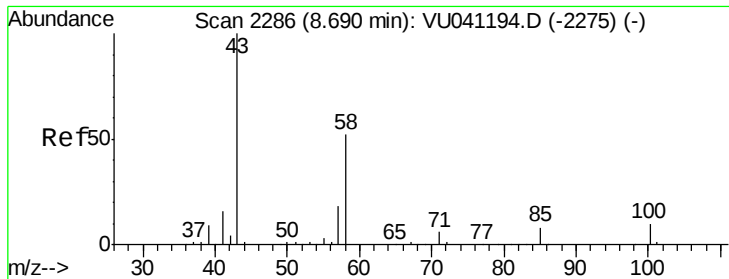


#44

trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 8.18 min Scan# 2127
Delta R.T. -0.04 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Tgt Ion: 75 Resp: 472
Ion Ratio Lower Upper
75 100
77 0.0 23.3 43.3#

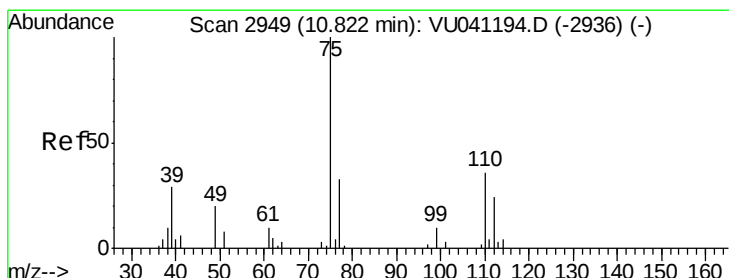
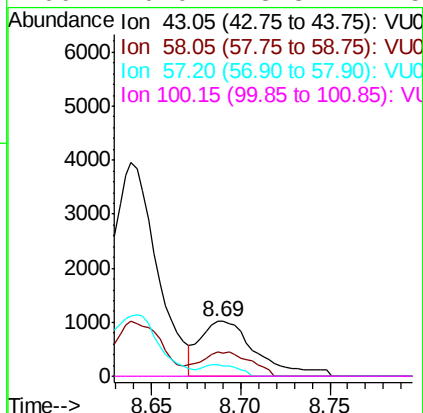
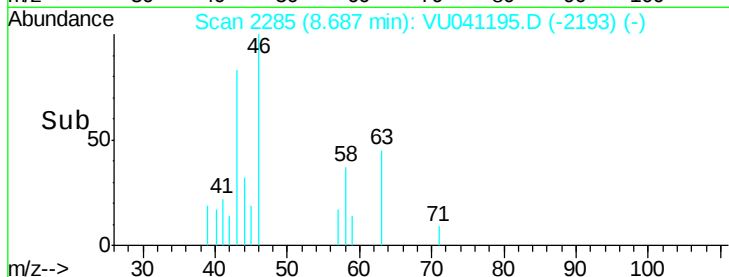
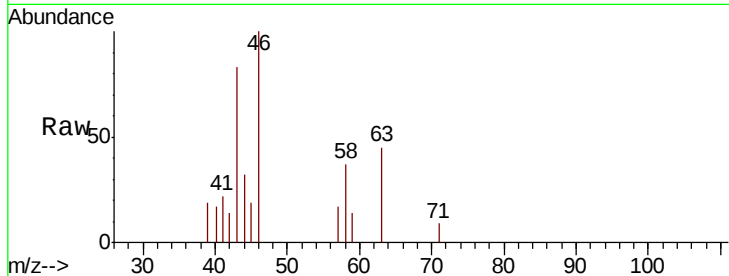




#48
2-Hexanone
Concen: 0.824 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

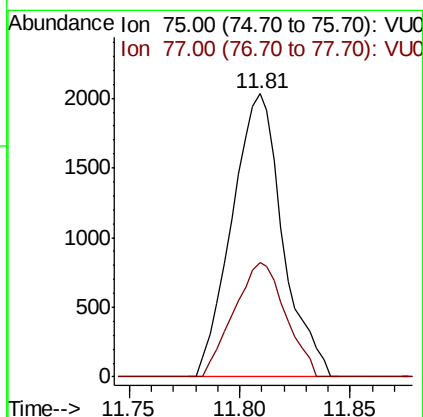
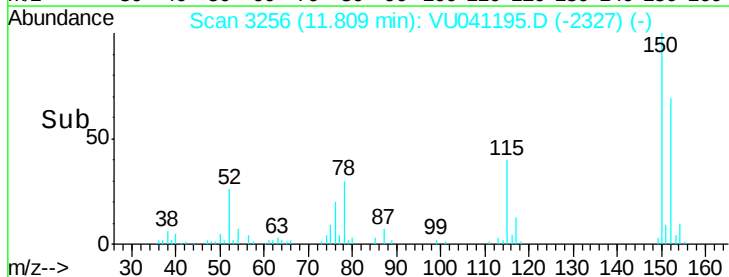
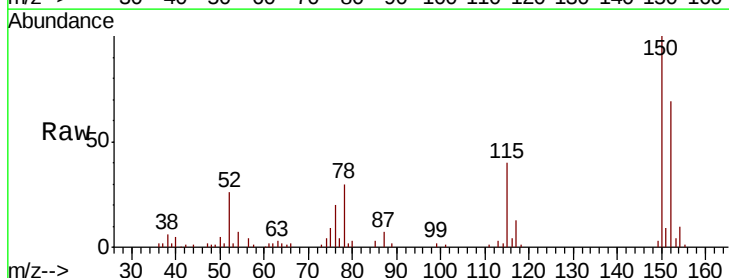
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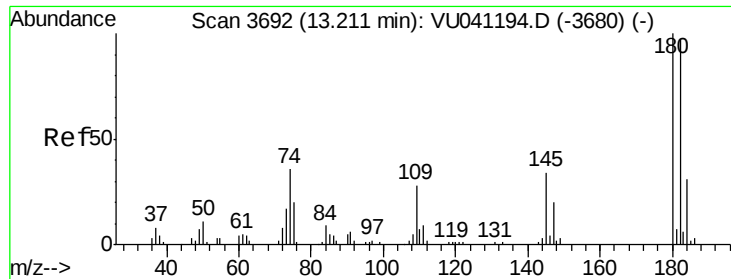
Tot Ion: 43 Resp: 2212
Ion Ratio Lower Upper
43 100
58 39.8 41.4 62.2#
57 13.5 14.6 21.8#
100 0.0 8.3 12.5#



#59
1,2,3-Trichloropropane
Concen: 0.976 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU041195.D
Acq: 11 Nov 2020 10:43

Tgt Ion: 75 Resp: 3253
Ion Ratio Lower Upper
75 100
77 41.0 25.7 38.5#

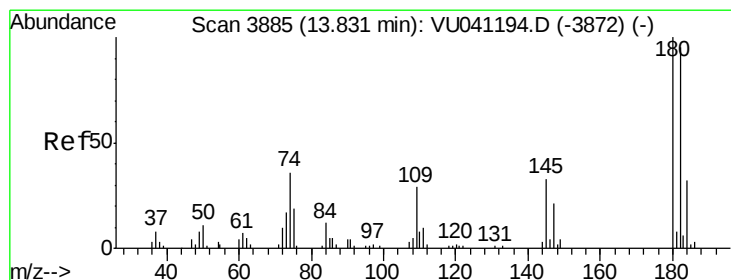
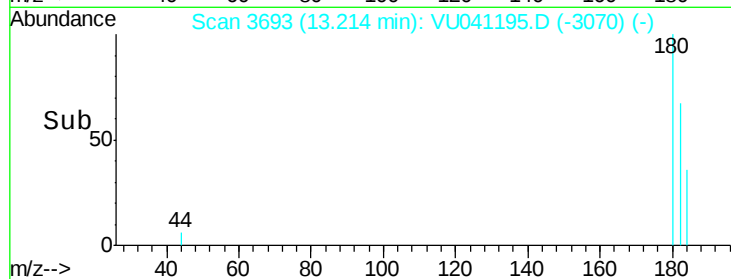
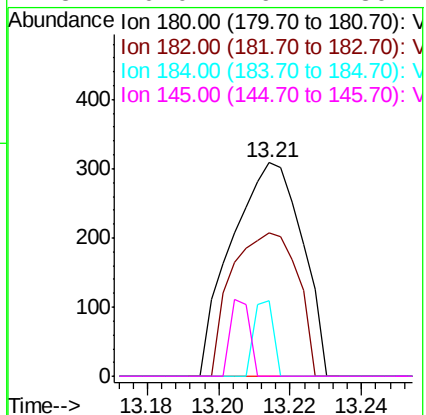
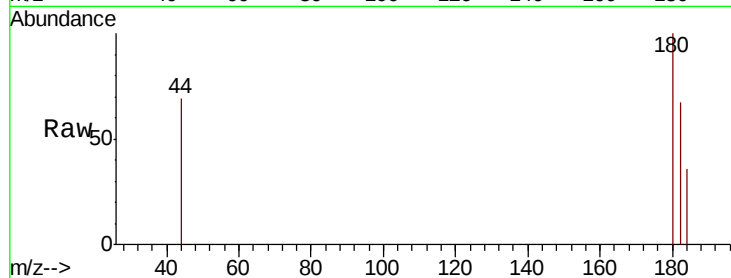




#67
 1,3,5-Trichlorobenzene
 Concen: 0.083 ug/L
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VU041195.D
 Acq: 11 Nov 2020 10:43

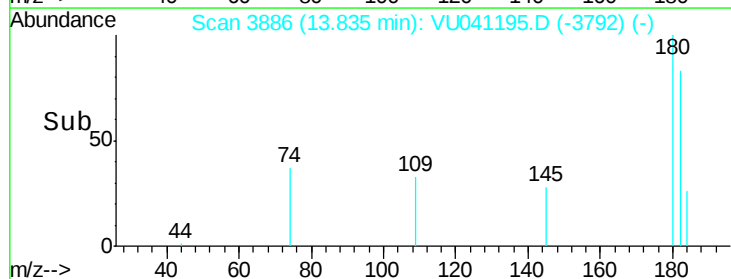
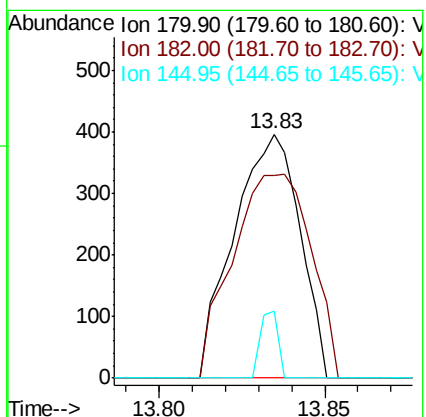
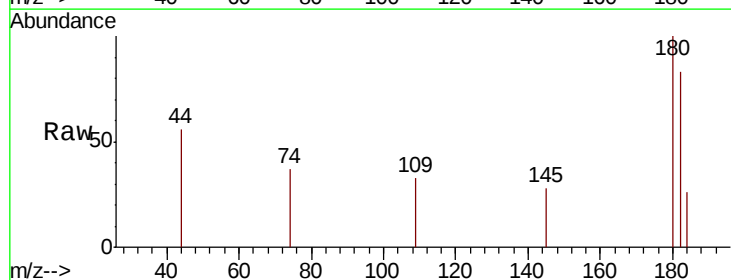
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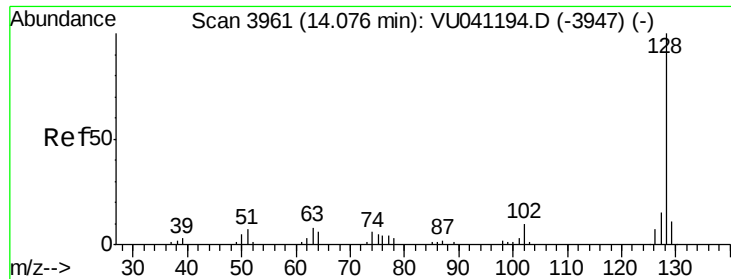
Tot Ion:180 Resp: 422
 Ion Ratio Lower Upper
 180 100
 182 62.6 75.7 113.5#
 184 9.7 23.7 35.5#
 145 10.0 26.1 39.1#



#68
 1,2,4-trichlorobenzene
 Concen: 0.131 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU041195.D
 Acq: 11 Nov 2020 10:43

Tgt Ion:180 Resp: 548
 Ion Ratio Lower Upper
 180 100
 182 99.6 73.5 110.3
 145 7.5 26.6 40.0#





#69

Naphthalene

Concen: 0.206 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041195.D

Acq: 11 Nov 2020 10:43

Instrument :

MSVOA_U

ClientSampled :

VBLK21

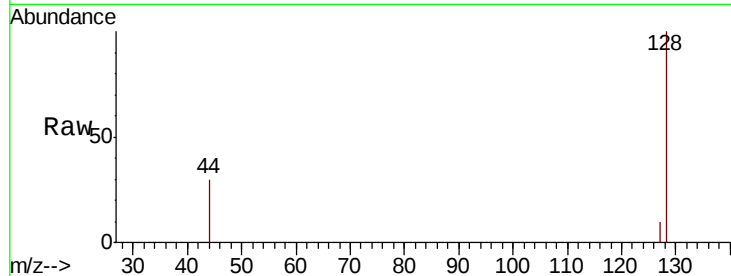
Tot Ion:128 Resp: 1546

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

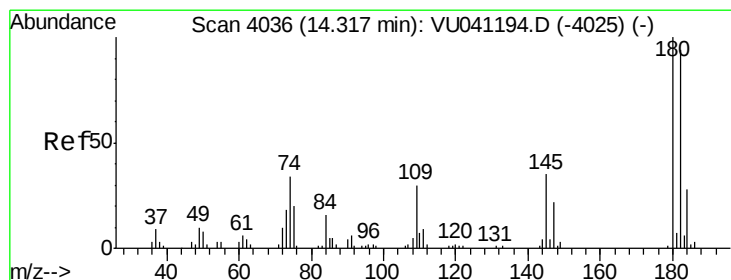
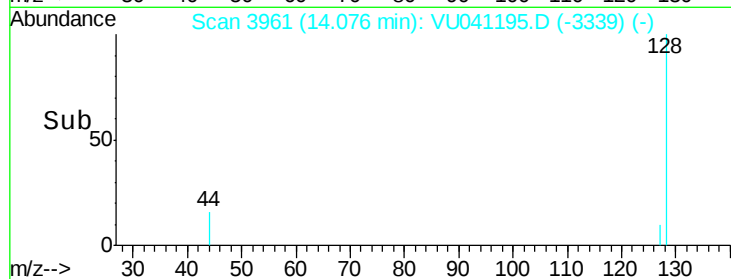
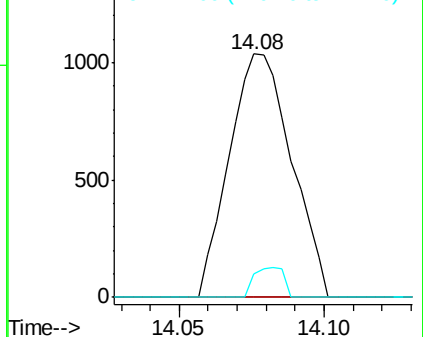
127 6.0 10.8 16.2#



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: 0.143 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU041195.D

Acq: 11 Nov 2020 10:43

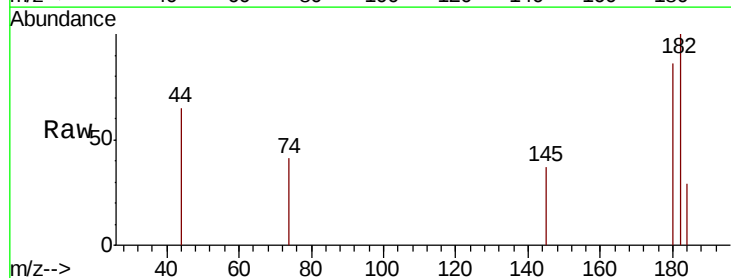
Tgt Ion:180 Resp: 553

Ion Ratio Lower Upper

180 100

182 117.5 77.7 116.5#

145 22.8 29.4 44.0#



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

