

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101420\
 Data File : VU040693.D
 Acq On : 14 Oct 2020 12:59
 Operator : SY/MD
 Sample : L4346-07DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YAQZ6DL

Quant Time: Oct 15 05:30:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 15 05:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	135900	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	138585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56871	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44668	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.92	69	40115	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.58	63	72634	3.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.00%
20) 2-Butanone-d5	4.66	46	164003	45.51	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.02%
24) Chloroform-d	5.08	84	89686	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	56402	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.74	84	166855	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	6.70	67	56860	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.91	98	134452	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
43) trans-1,3-Dichloropropene-	8.19	79	21330	4.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.20%
46) 2-Hexanone-d5	8.64	63	112880	41.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.34%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47832	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50564	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

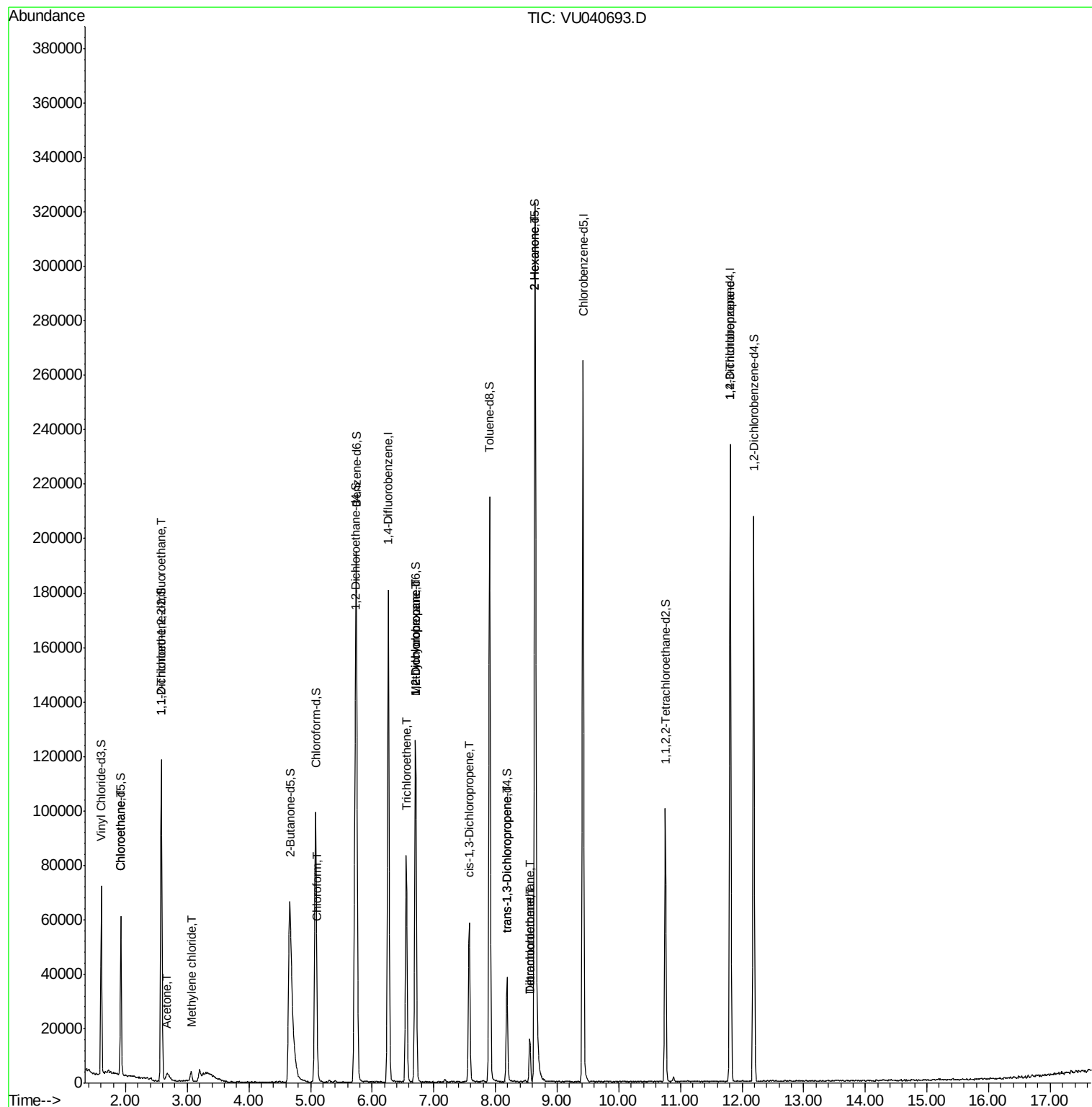
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.92	64	407	0.053	ug/L #	58
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	637	0.056	ug/L #	20
13) Acetone	2.67	43	4953	1.773	ug/L	74
16) Methylene chloride	3.06	84	1446	0.116	ug/L	96
25) Chloroform	5.11	83	3563	0.166	ug/L	96
34) Trichloroethene	6.55	95	27468	2.380	ug/L	95
35) Methylcyclohexane	6.70	83	13106	0.801	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6415	0.517	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1498	0.088	ug/L #	47
44) trans-1,3-Dichloropropene	8.19	75	976	0.063	ug/L #	51
47) Tetrachloroethene	8.56	164	3609	0.438	ug/L	93
48) 2-Hexanone	8.64	43	15589	2.117	ug/L #	69
49) Dibromochloromethane	8.56	129	3212	0.300	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	8050	0.883	ug/L #	87

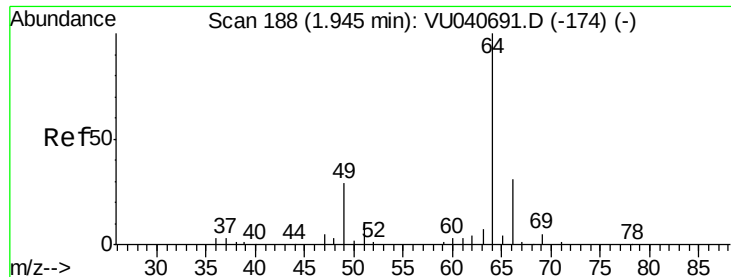
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 15 05:23:17 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.053 ug/L

RT: 1.92 min Scan# 180

Delta R.T. -0.03 min

Lab File: VU040693.D

Acq: 14 Oct 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

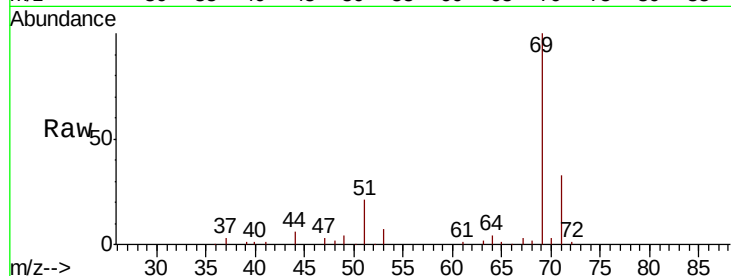
YAZ6DL

Tot Ion: 64 Resp: 407

Ion Ratio Lower Upper

64 100

66 9.6 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040693.D (-95) (-)

Ion 66.05 (65.75 to 66.75): VU040693.D (-95) (-)

1.92

1000

800

600

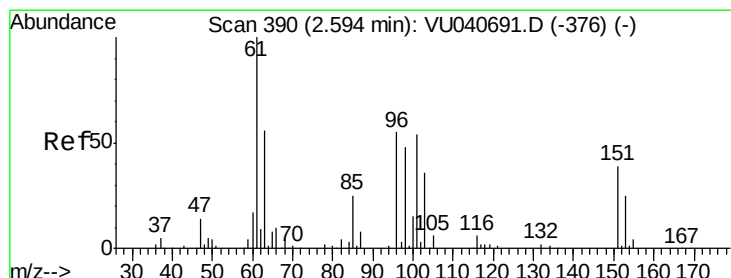
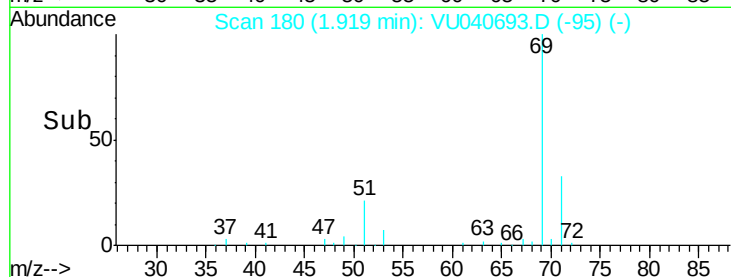
400

200

0

1.90 1.91 1.92 1.93 1.94

Time-->



#10

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

Concen: 0.056 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040693.D

Acq: 14 Oct 2020 12:59

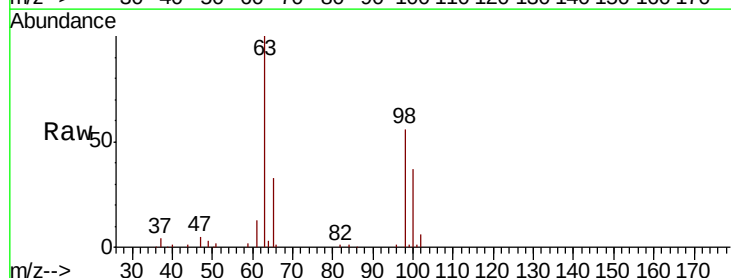
Tgt Ion: 101 Resp: 637

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): VU040693.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040693.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040693.D (-297) (-)

2.58

500

400

300

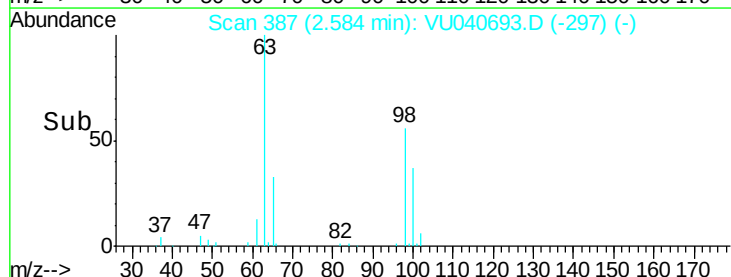
200

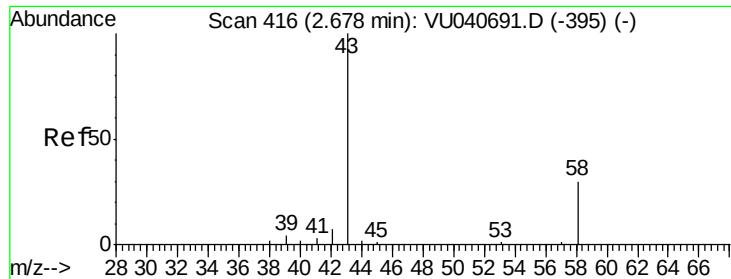
100

0

2.54 2.56 2.58 2.60

Time-->





#13

Acetone

Concen: 1.773 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.00 min

Lab File: VU040693.D

Acq: 14 Oct 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

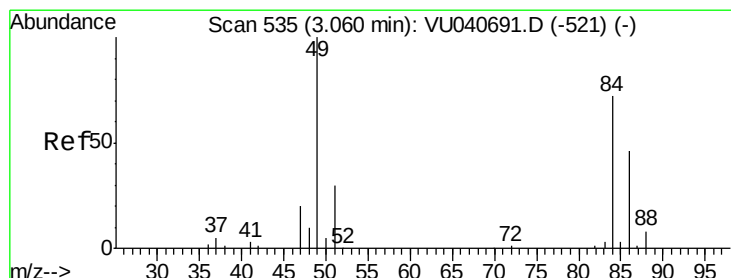
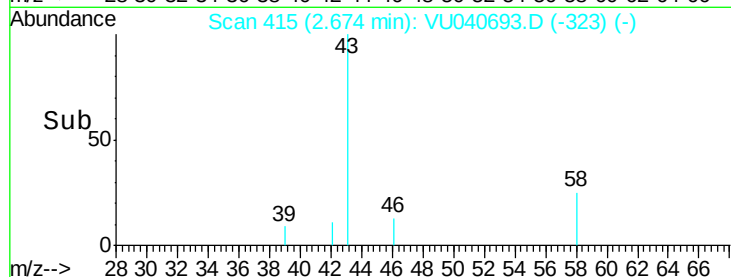
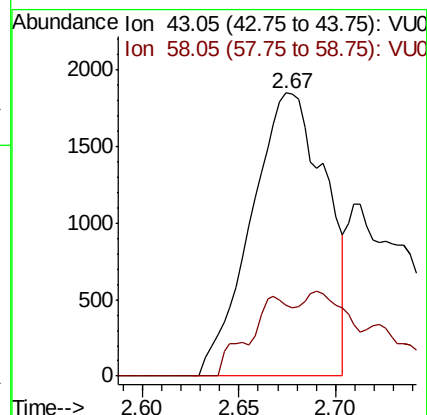
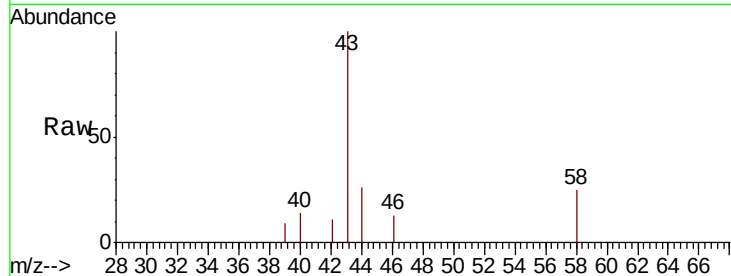
YAQZ6DL

Tot Ion: 43 Resp: 4953

Ion Ratio Lower Upper

43 100

58 16.1 0.0 60.6



#16

Methylene chloride

Concen: 0.116 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040693.D

Acq: 14 Oct 2020 12:59

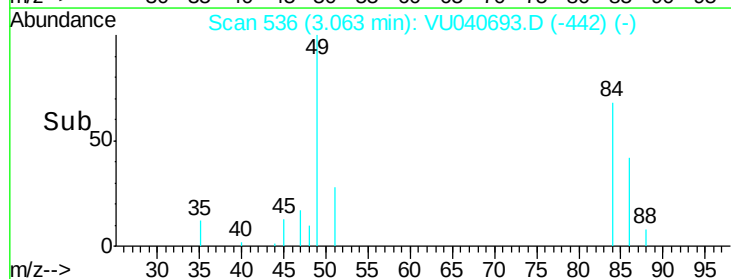
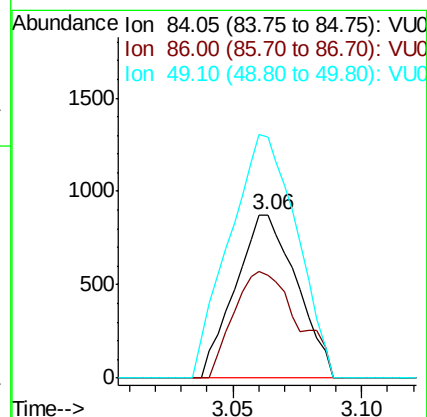
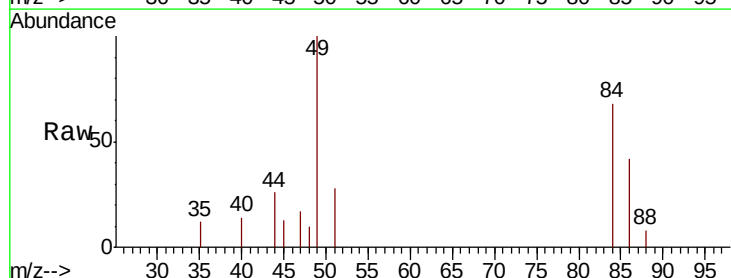
Tgt Ion: 84 Resp: 1446

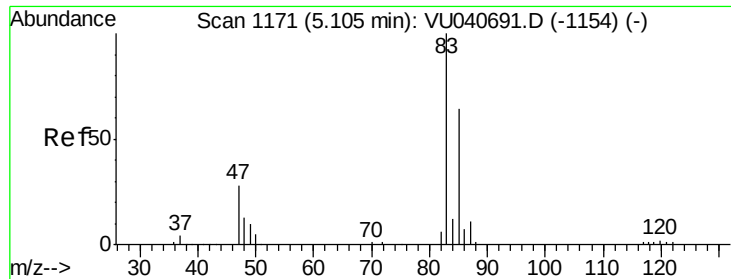
Ion Ratio Lower Upper

84 100

86 62.6 45.4 84.4

49 147.4 99.8 185.3

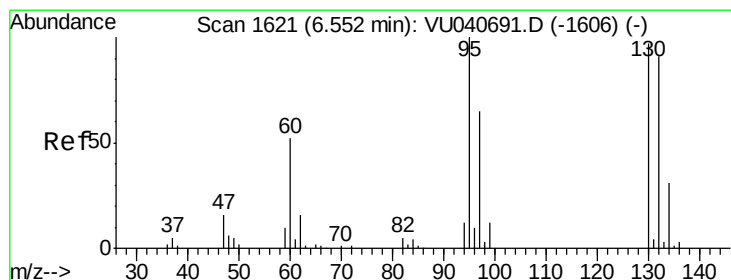
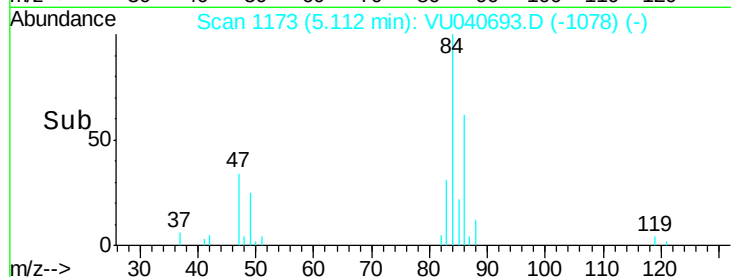
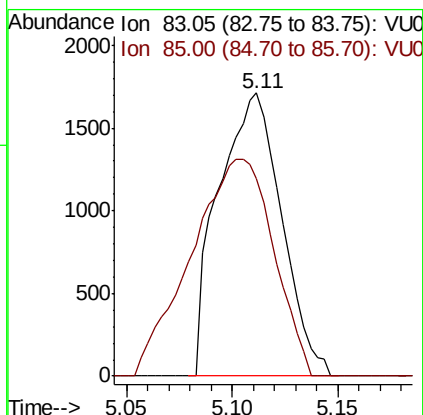
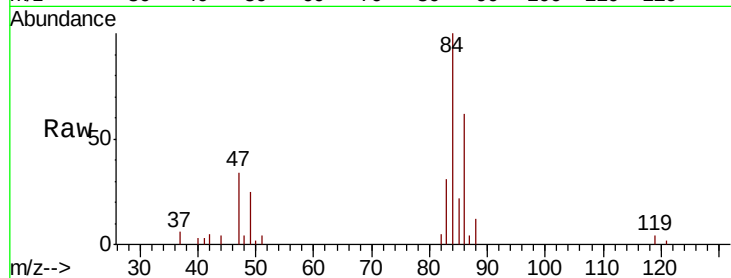




#25
Chloroform
Concen: 0.166 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

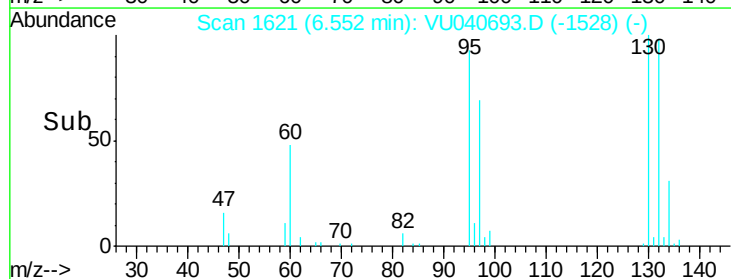
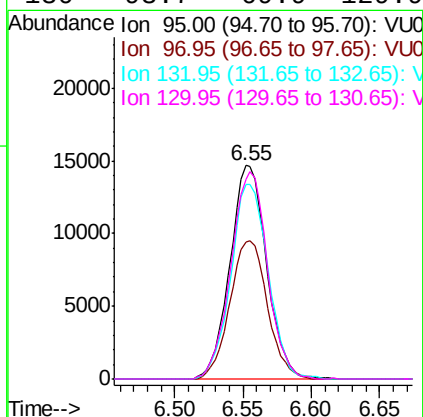
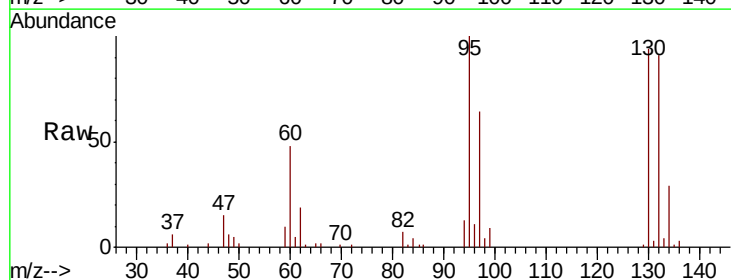
Instrument :
MSVOA_U
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YQZ6DL

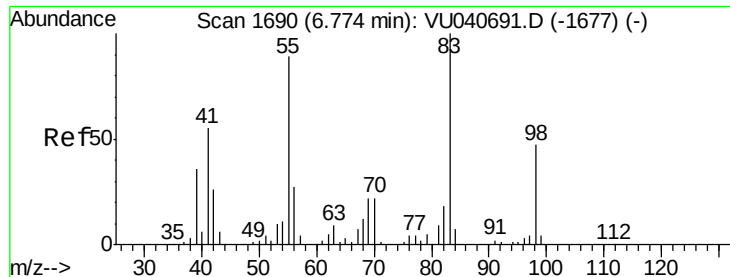
Tot Ion: 83 Resp: 3563
Ion Ratio Lower Upper
83 100
85 69.9 46.5 86.5



#34
Trichloroethene
Concen: 2.380 ug/L
RT: 6.55 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

Tgt Ion: 95 Resp: 27468
Ion Ratio Lower Upper
95 100
97 64.3 45.5 84.5
132 91.4 67.5 125.4
130 93.7 69.9 129.9

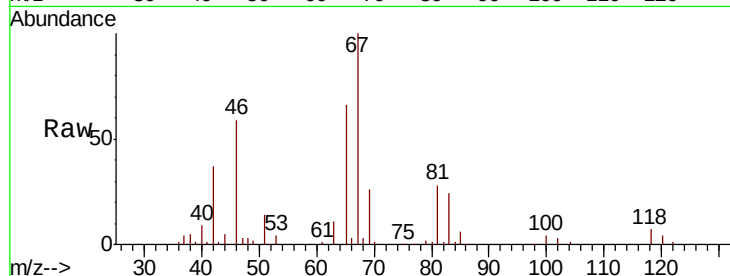




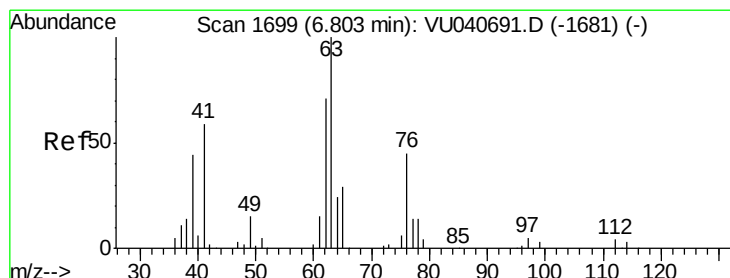
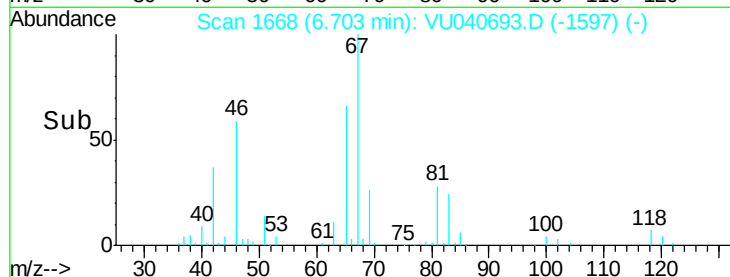
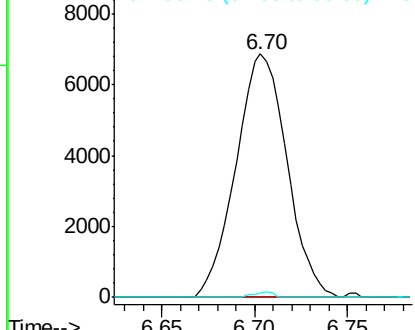
#35
Methylcyclohexane
Concen: 0.801 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
YAQZ6DL

Tot Ion: 83 Resp: 13106
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.8 38.4 57.6#

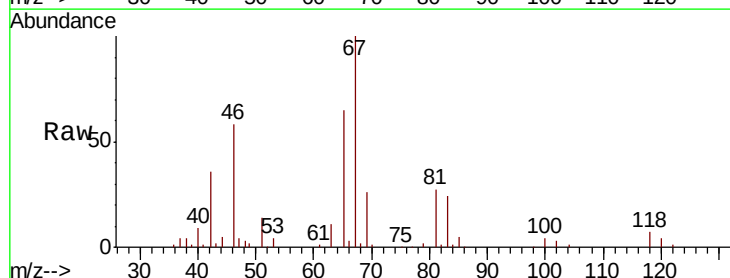


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

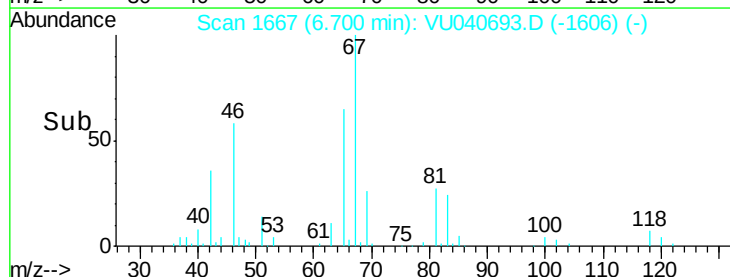
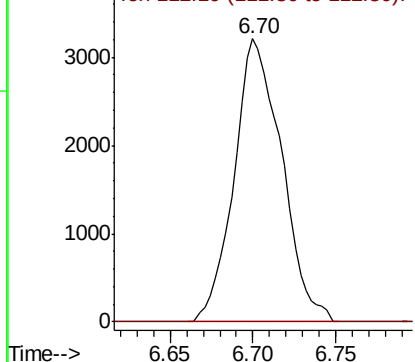


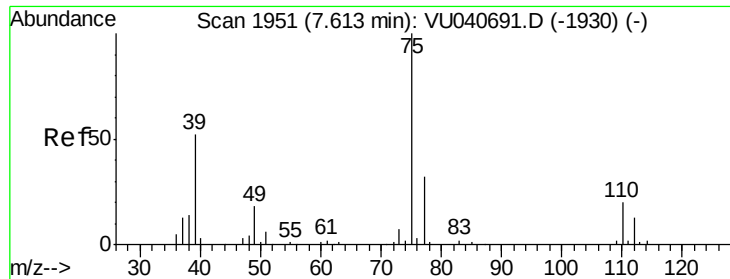
#37
1,2-Dichloropropane
Concen: 0.517 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

Tgt Ion: 63 Resp: 6415
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



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

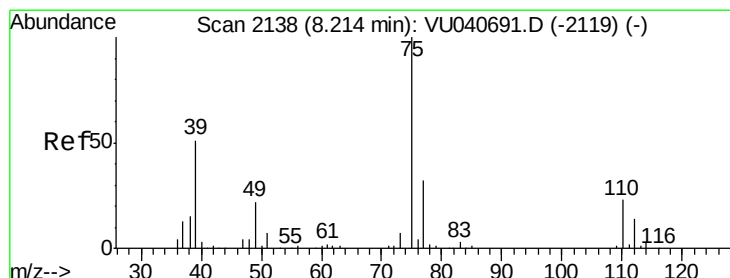
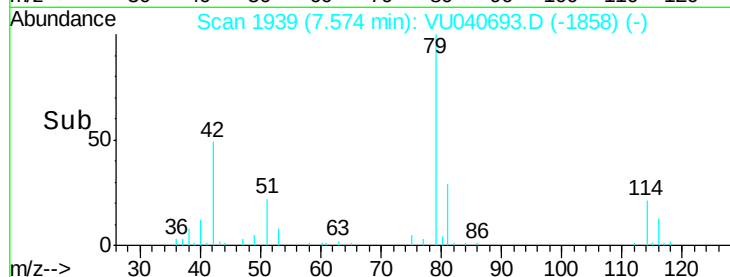
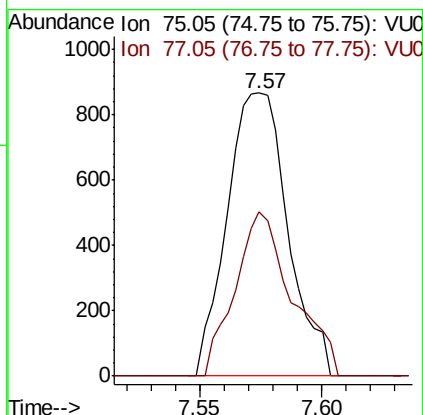
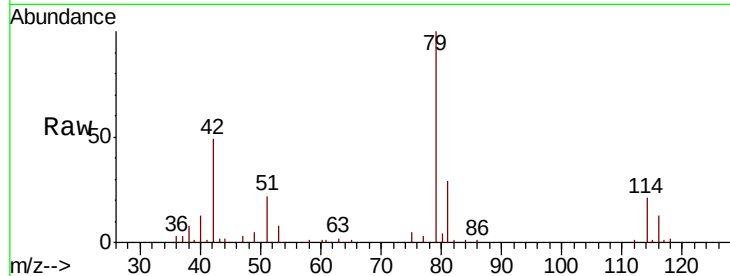




#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040693.D
 Acq: 14 Oct 2020 12:59

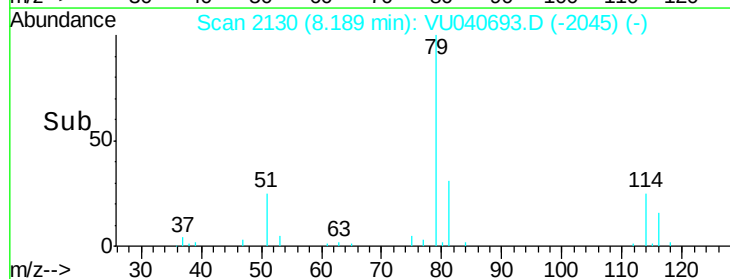
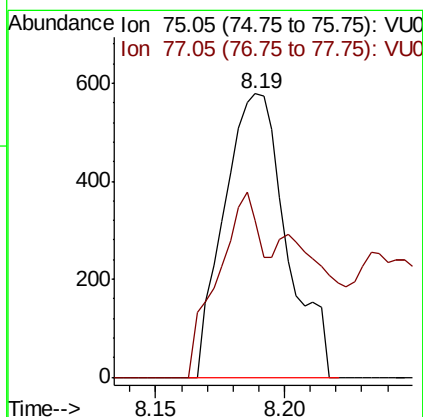
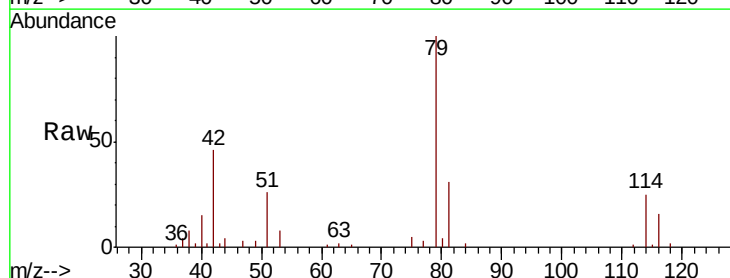
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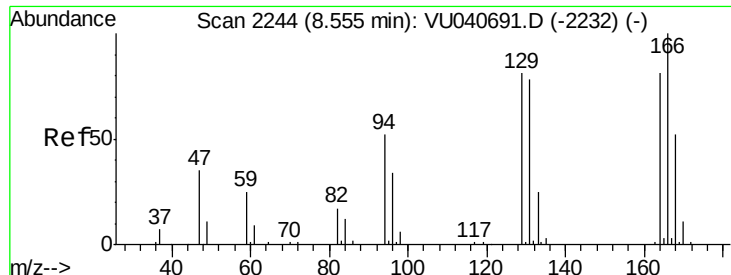
Tot Ion: 75 Resp: 1498
 Ion Ratio Lower Upper
 75 100
 77 57.9 20.5 38.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.063 ug/L
 RT: 8.19 min Scan# 2130
 Delta R.T. -0.03 min
 Lab File: VU040693.D
 Acq: 14 Oct 2020 12:59

Tgt Ion: 75 Resp: 976
 Ion Ratio Lower Upper
 75 100
 77 55.4 20.4 38.0#

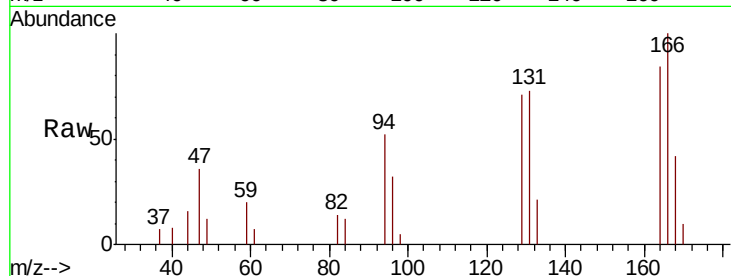




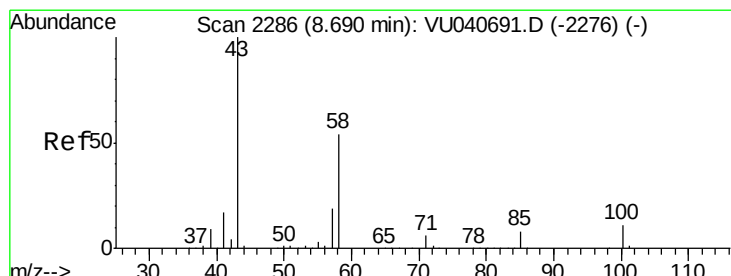
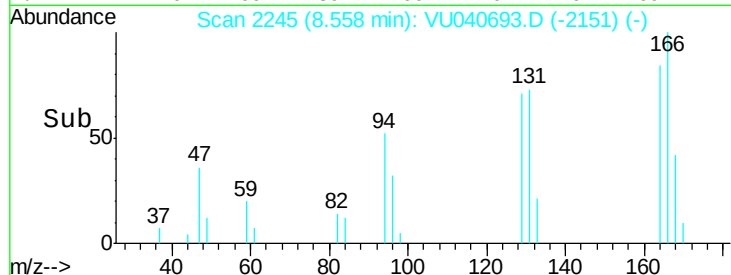
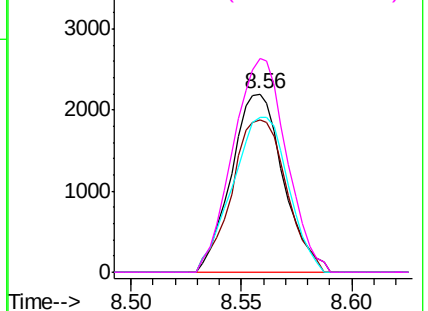
#47
Tetrachloroethene
Concen: 0.438 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
YAZ6DL

Tot Ion:164 Resp: 3609
Ion Ratio Lower Upper
164 100
129 85.1 68.8 127.8
131 86.9 66.7 123.9
166 119.7 83.9 155.7

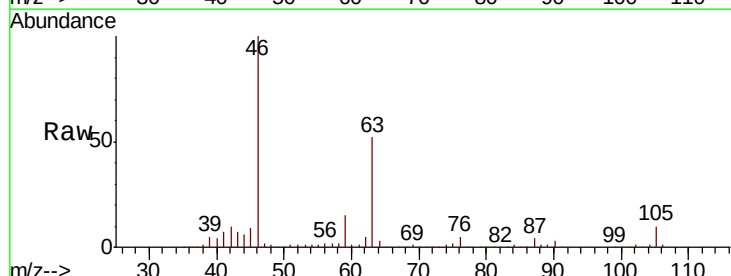


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

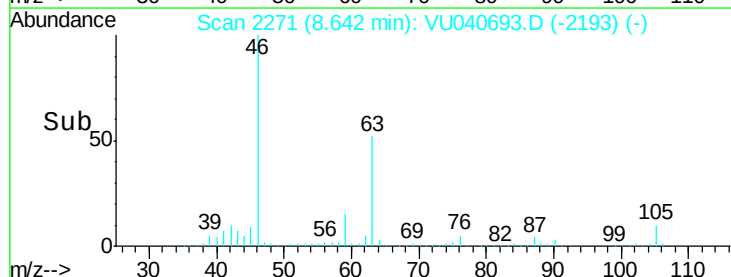
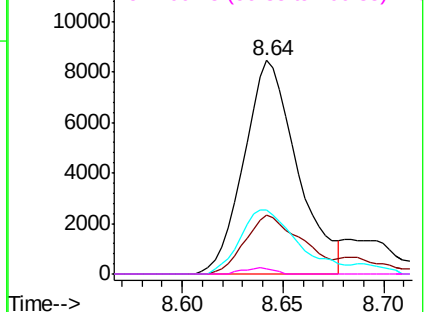


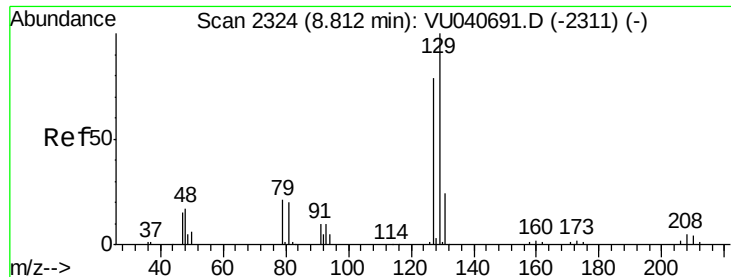
#48
2-Hexanone
Concen: 2.117 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040693.D
Acq: 14 Oct 2020 12:59

Tgt Ion: 43 Resp: 15589
Ion Ratio Lower Upper
43 100
58 29.3 41.0 61.6#
57 32.3 14.4 21.6#
100 1.7 8.6 13.0#



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





#49

Dibromochloromethane

Concen: 0.300 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040693.D

Acq: 14 Oct 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

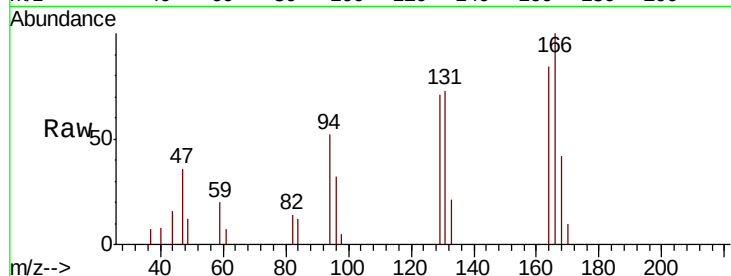
YAZ6DL

Tot Ion:129 Resp: 3212

Ion Ratio Lower Upper

129 100

127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

2000

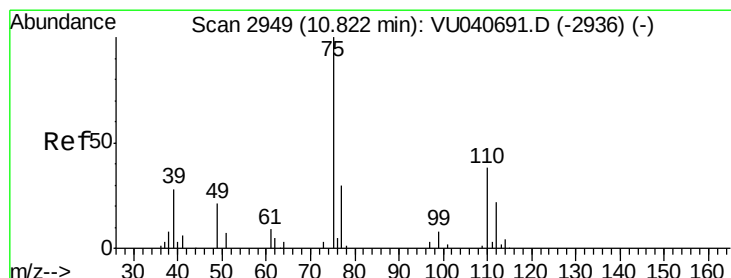
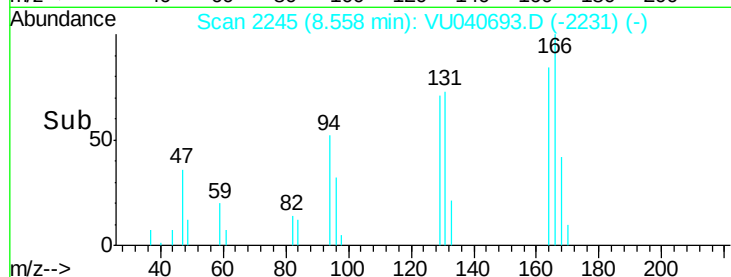
1500

1000

500

0

Time--> 8.50 8.55 8.60



#59

1,2,3-Trichloropropane

Concen: 0.883 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040693.D

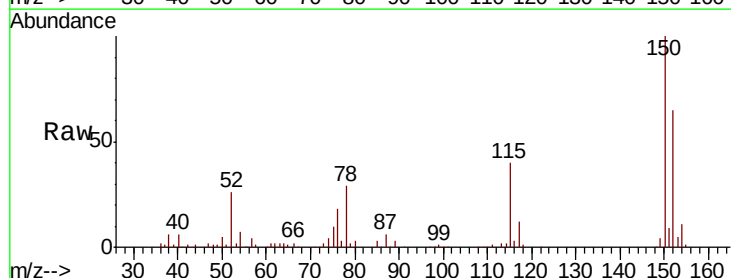
Acq: 14 Oct 2020 12:59

Tgt Ion: 75 Resp: 8050

Ion Ratio Lower Upper

75 100

77 40.2 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

6000

5000

4000

3000

2000

1000

0

Time--> 11.75 11.80 11.85

