

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041794.D
 Acq On : 23 Dec 2020 20:07
 Operator : SY/MD
 Sample : L5185-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4T2

Quant Time: Dec 24 01:14:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	122221	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119973	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50600	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37394	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.92	69	37289	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.58	63	57744	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.66	46	163074	59.41	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.82%
24) Chloroform-d	5.08	84	85904	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.72	65	50734	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.74	84	161894	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	54403	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.90	98	122974	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	8.18	79	19549	4.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.80%
46) 2-Hexanone-d5	8.64	63	120496	45.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47566	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46996	5.22	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1141	0.113 ug/L	99
8) Chloroethane	1.94	64	865	0.115 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	389	0.046 ug/L #	22
12) 1,1-Dichloroethene	2.57	96	545	0.066 ug/L #	1
17) Methyl tert-butyl Ether	3.38	73	5056	0.229 ug/L #	75
22) cis-1,2-Dichloroethene	4.68	96	1299	0.137 ug/L	78
25) Chloroform	5.11	83	3578	0.222 ug/L	97
27) 1,2-Dichloroethane	5.74	62	726	0.066 ug/L #	73
34) Trichloroethene	6.55	95	800590	83.035 ug/L	98
35) Methylcyclohexane	6.70	83	12597	0.808 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5724	0.583 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1030	0.071 ug/L #	48
44) trans-1,3-Dichloropropene	8.19	75	638	0.049 ug/L	98
47) Tetrachloroethene	8.56	164	16330	2.419 ug/L	94
49) Dibromochloromethane	8.56	129	16235	1.947 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6198	0.841 ug/L #	88

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BG4T2

Quant Time: Dec 24 01:14:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration

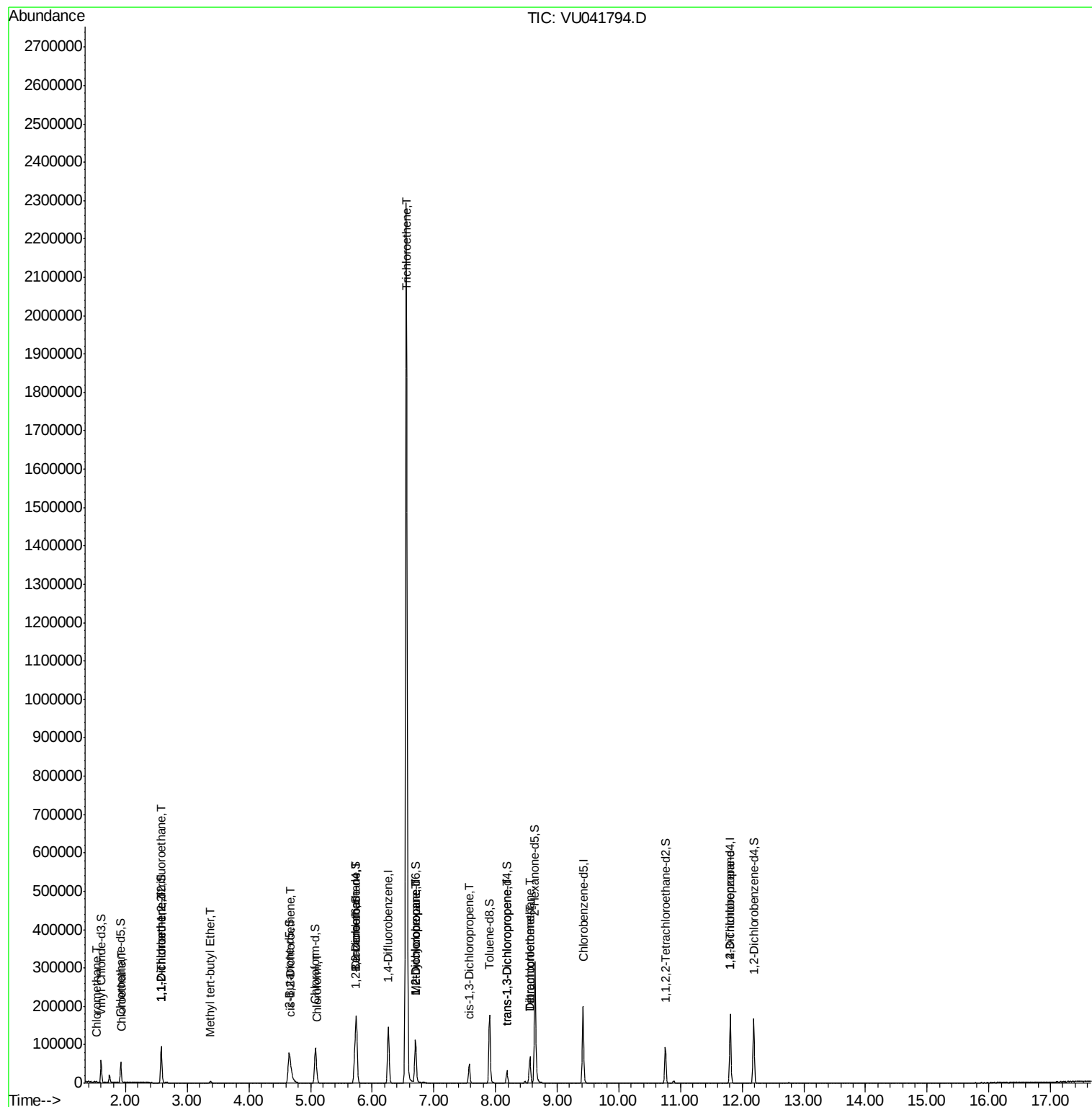
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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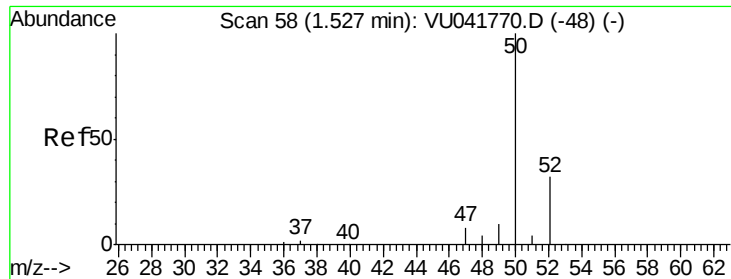
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.113 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041794.D

Acq: 23 Dec 2020 20:07

Instrument :

MSVOA_U

ClientSampleId :

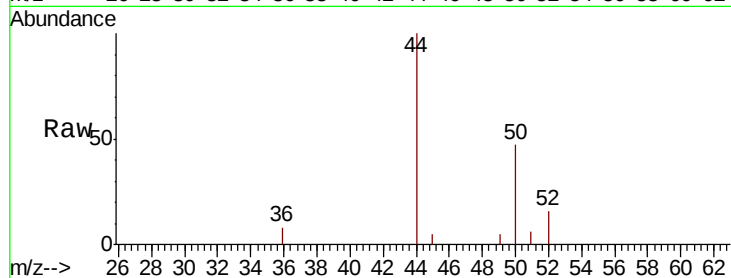
BG4T2

Tot Ion: 50 Resp: 1141

Ion Ratio Lower Upper

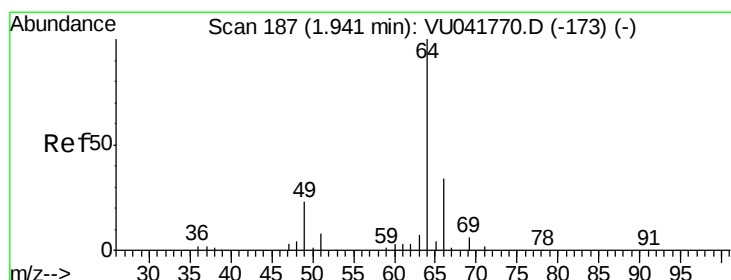
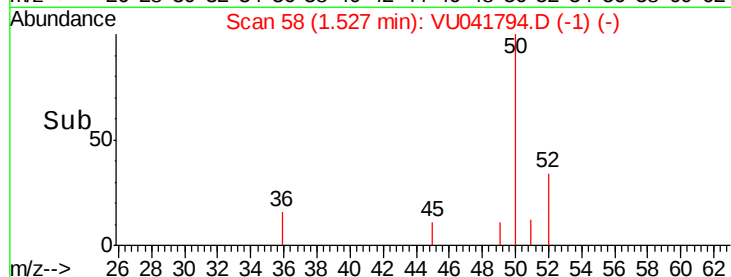
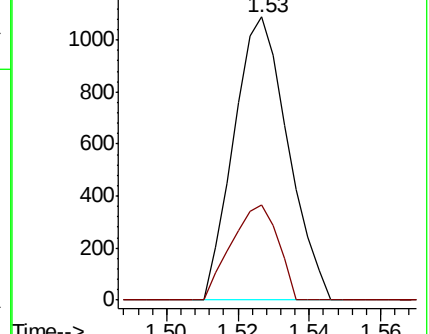
50 100

52 33.7 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.115 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041794.D

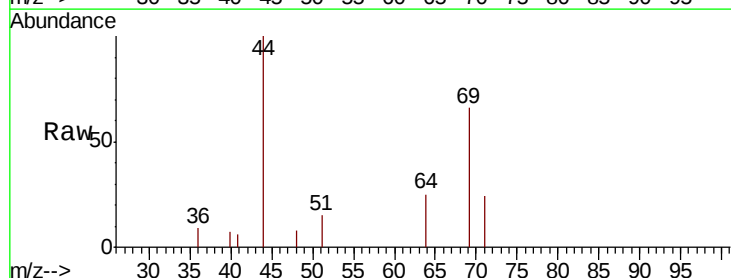
Acq: 23 Dec 2020 20:07

Tgt Ion: 64 Resp: 865

Ion Ratio Lower Upper

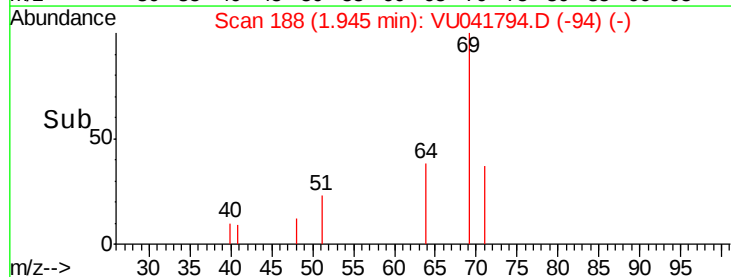
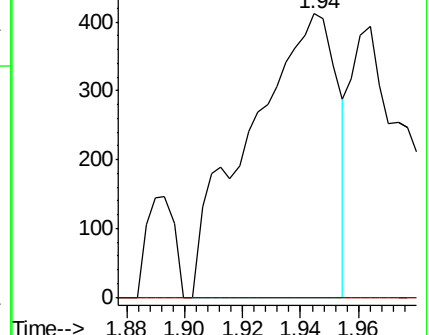
64 100

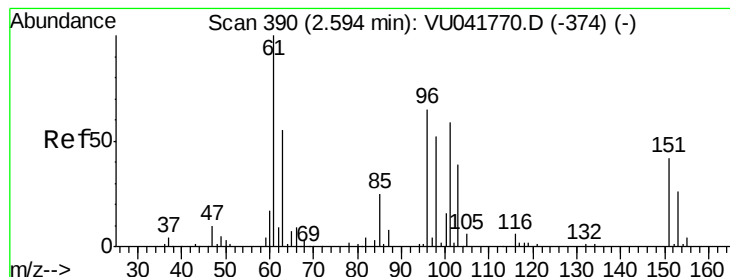
66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.046 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU041794.D

Acq: 23 Dec 2020 20:07

Instrument :

MSVOA_U

ClientSampled :

BG4T2

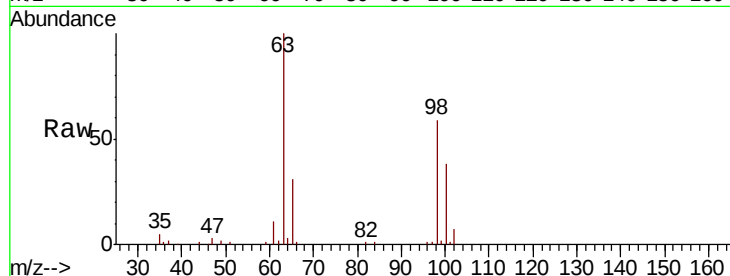
Tot Ion:101 Resp: 389

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



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

2.58

300

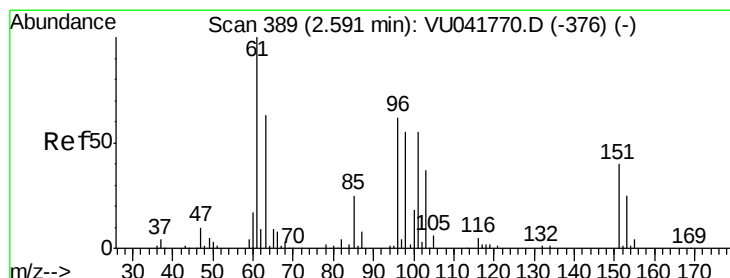
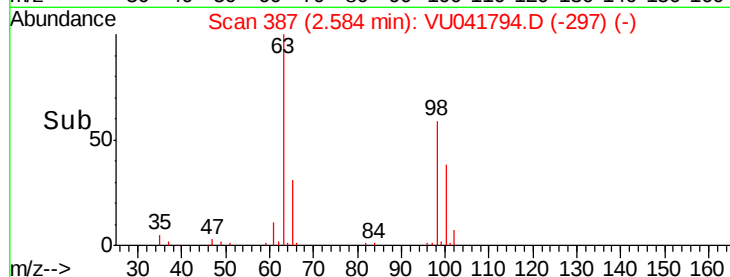
200

100

0

2.56 2.58 2.60

Time-->



#12

1,1-Dichloroethene

Concen: 0.066 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041794.D

Acq: 23 Dec 2020 20:07

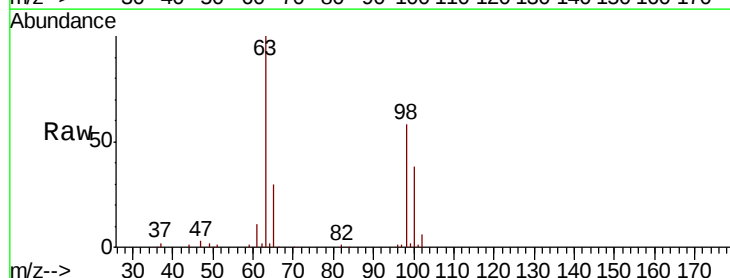
Tgt Ion: 96 Resp: 545

Ion Ratio Lower Upper

96 100

61 1198.0 123.8 230.0#

63 11147.5 81.0 150.4#



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

50000

40000

30000

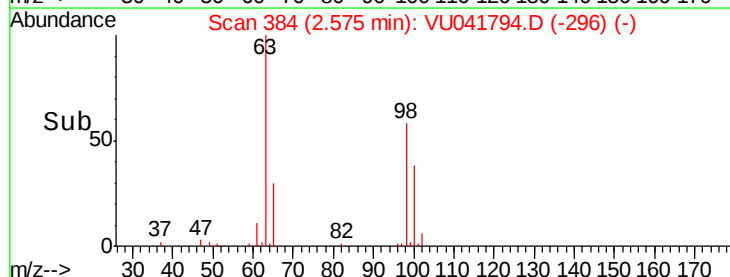
20000

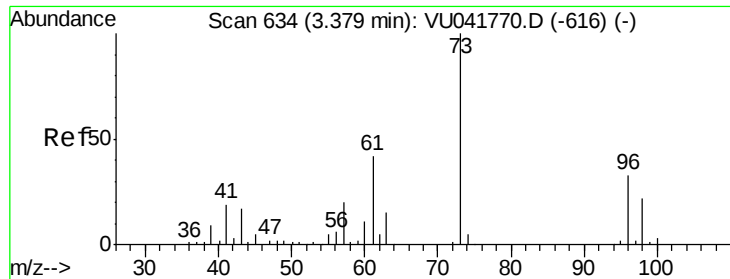
10000

0

2.54 2.56 2.58 2.60 2.62

Time-->

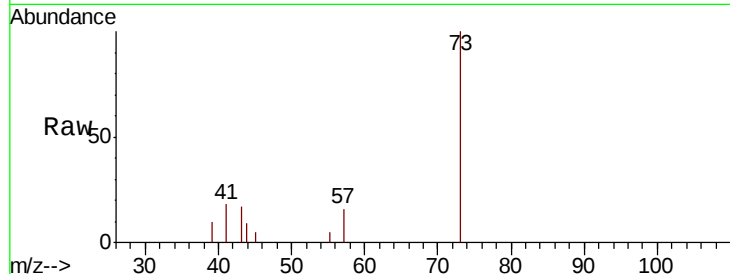




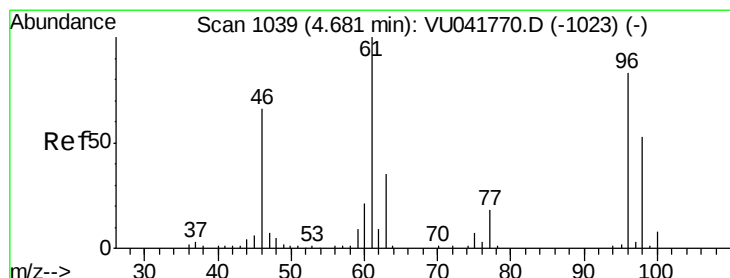
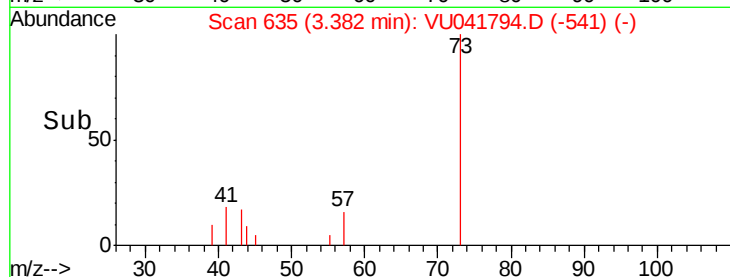
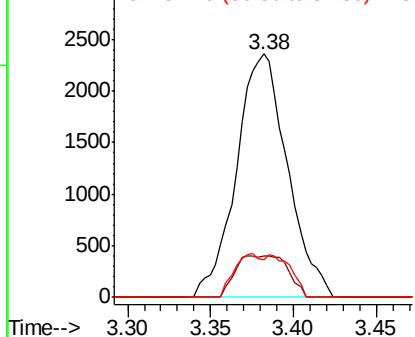
#17
Methvl tert-butvl Ether
Concen: 0.229 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

Instrument :
MSVOA_U
ClientSampleId :
BG4T2

Tot Ion: 73 Resp: 5056
Ion Ratio Lower Upper
73 100
43 8.3 14.7 22.1#
57 9.9 18.2 27.4#

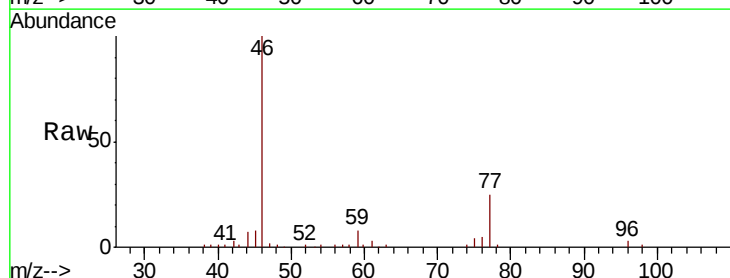


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

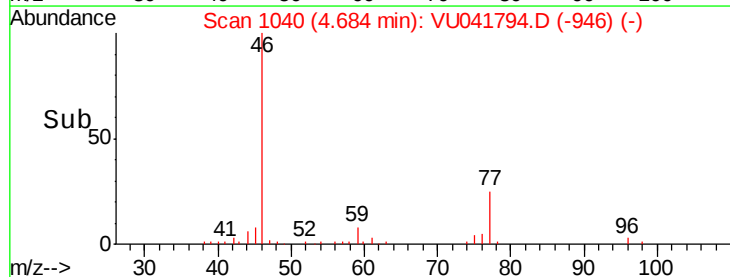
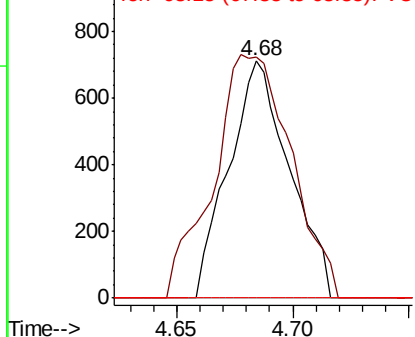


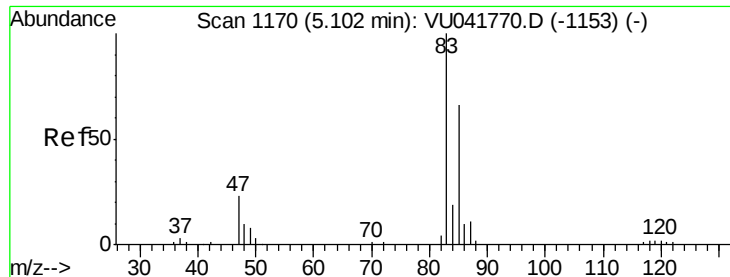
#22
cis-1,2-Dichloroethene
Concen: 0.137 ug/L
RT: 4.68 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

Tgt Ion: 96 Resp: 1299
Ion Ratio Lower Upper
96 100
61 101.4 88.8 165.0
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

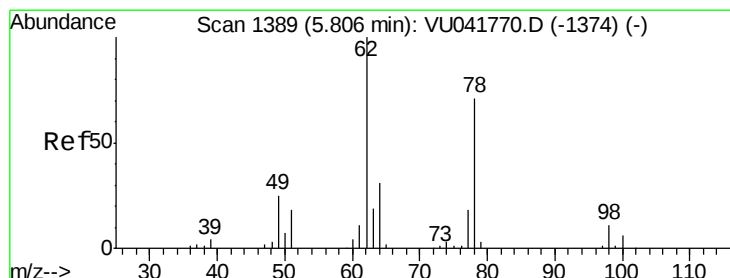
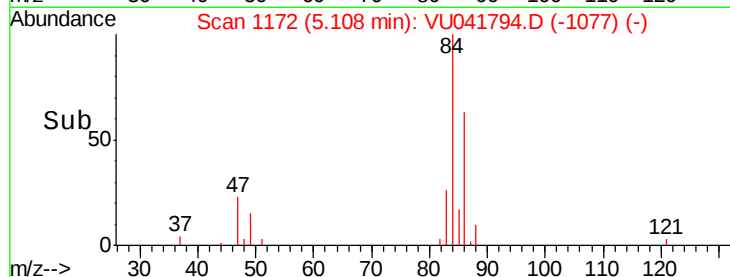
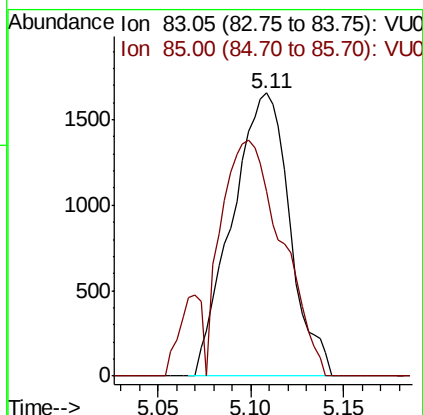
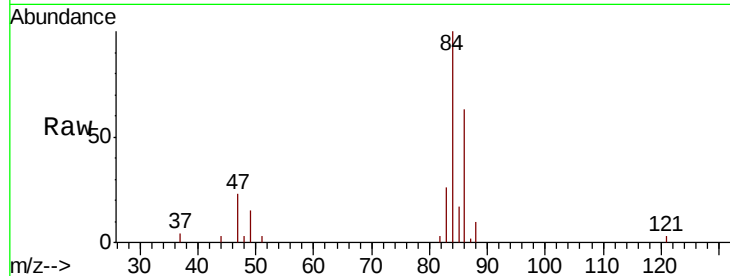




#25
Chloroform
Concen: 0.222 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

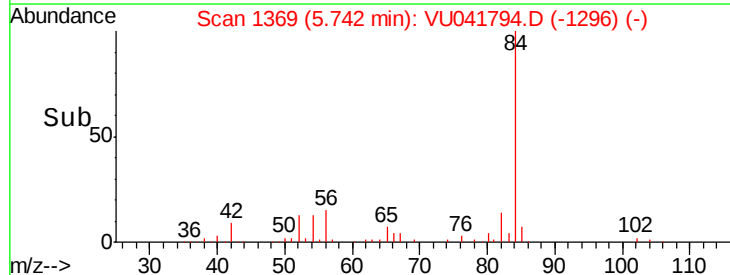
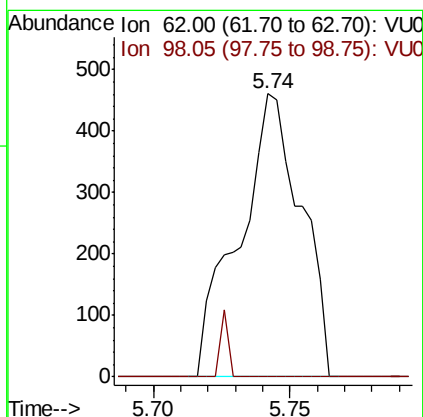
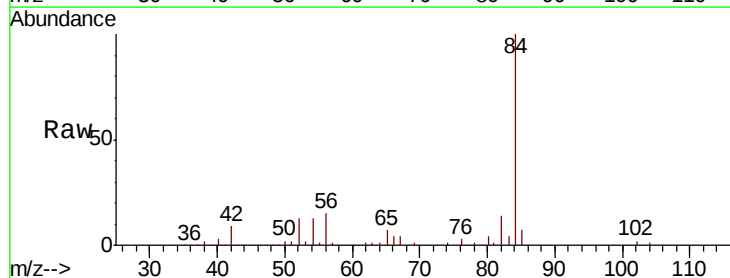
Instrument :
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ClientSampleId :
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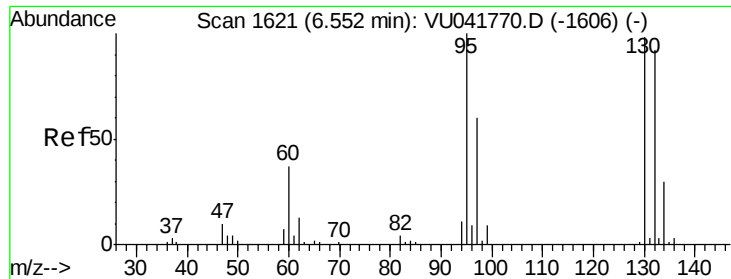
Tot Ion: 83 Resp: 3578
Ion Ratio Lower Upper
83 100
85 65.4 44.2 82.0



#27
1,2-Dichloroethane
Concen: 0.066 ug/L
RT: 5.74 min Scan# 1369
Delta R.T. -0.06 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

Tgt Ion: 62 Resp: 726
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#

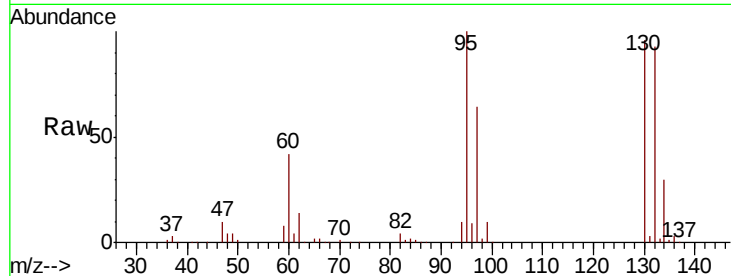




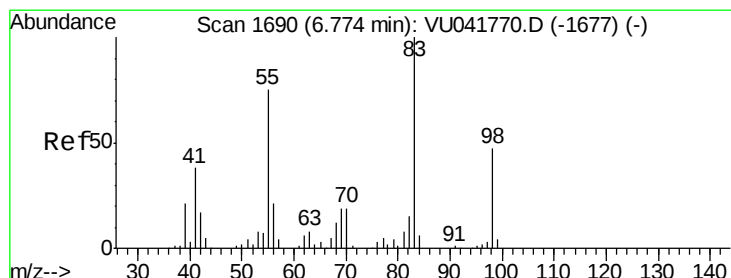
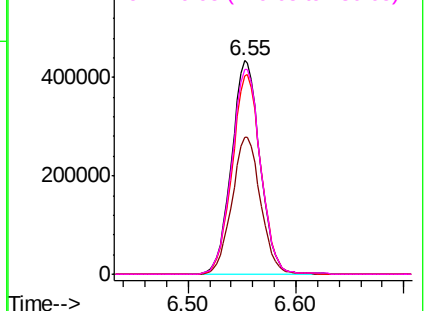
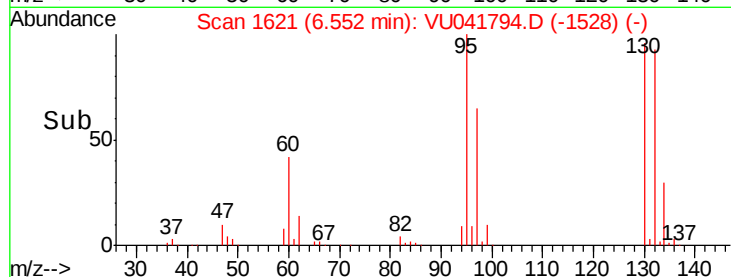
#34
 Trichloroethene
 Concen: 83.035 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041794.D
 Acq: 23 Dec 2020 20:07

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4T2

Tot Ion:	95	Resp:	800590
Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.9	81.5
132	92.6	63.1	117.3
130	96.0	67.4	125.2

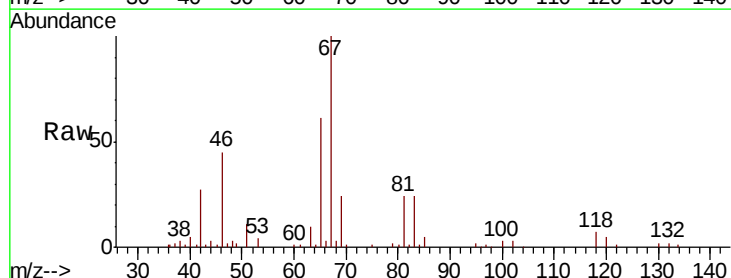


Abundance Ion 95.00 (94.70 to 95.70): VU041770.D (-1606) (-)
 Ion 96.95 (96.65 to 97.65): VU041770.D (-1606) (-)
 Ion 131.95 (131.65 to 132.65): VU041770.D (-1606) (-)
 Ion 129.95 (129.65 to 130.65): VU041770.D (-1606) (-)

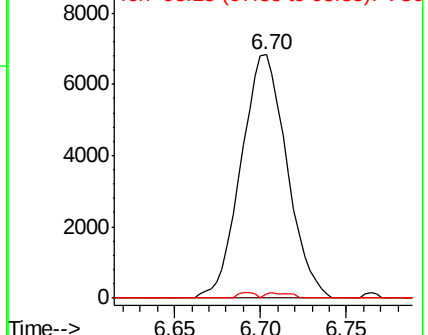
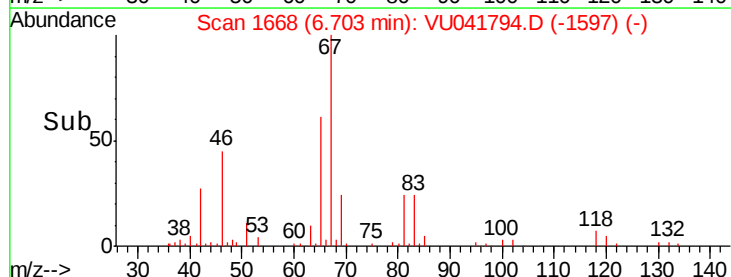


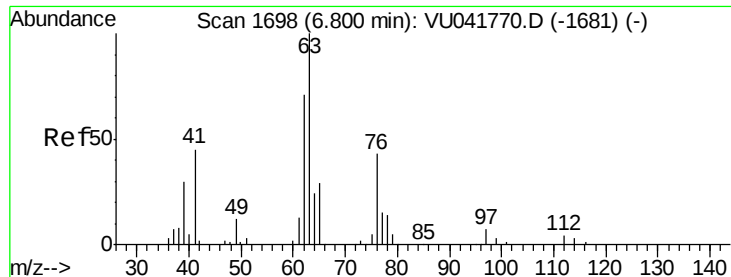
#35
 Methylcyclohexane
 Concen: 0.808 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU041794.D
 Acq: 23 Dec 2020 20:07

Tgt Ion:	83	Resp:	12597
Ion	Ratio	Lower	Upper
83	100		
55	0.0	61.2	91.8#
98	0.0	36.6	54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU041770.D (-1677) (-)
 Ion 55.10 (54.80 to 55.80): VU041770.D (-1677) (-)
 Ion 98.15 (97.85 to 98.85): VU041770.D (-1677) (-)

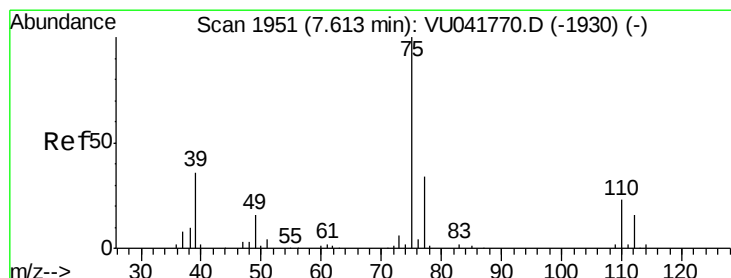
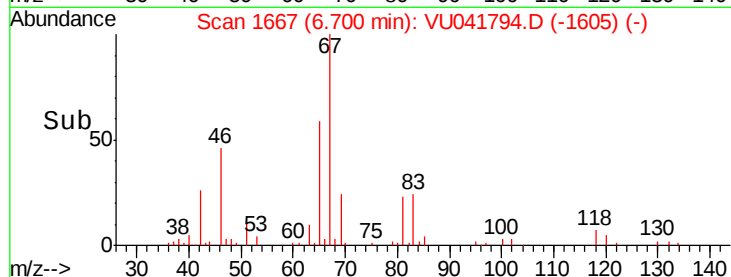
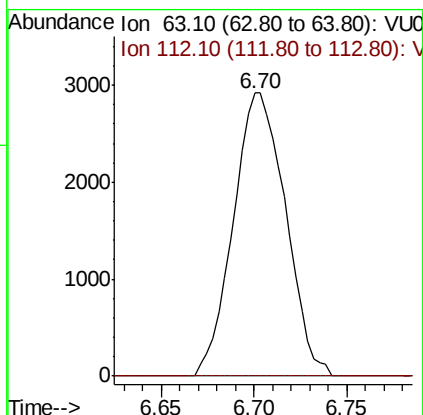
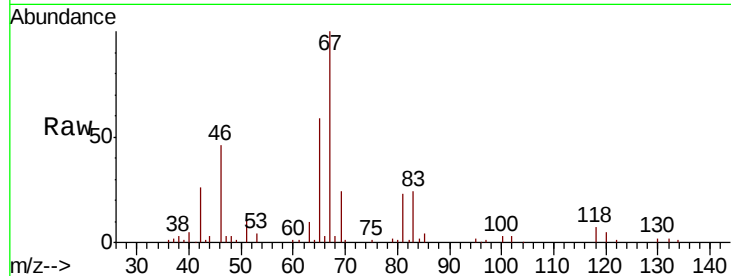




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041794.D
 Acq: 23 Dec 2020 20:07

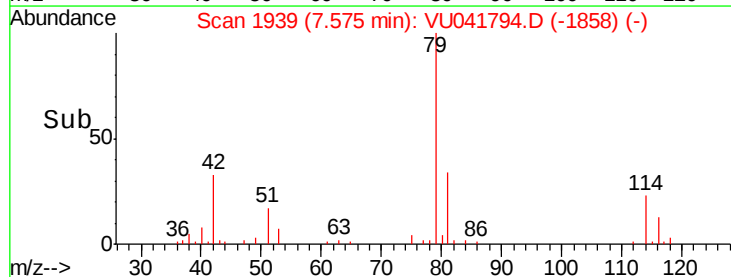
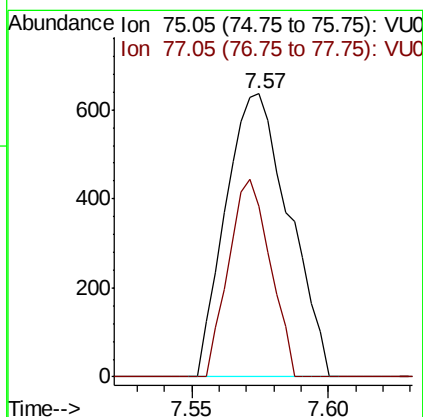
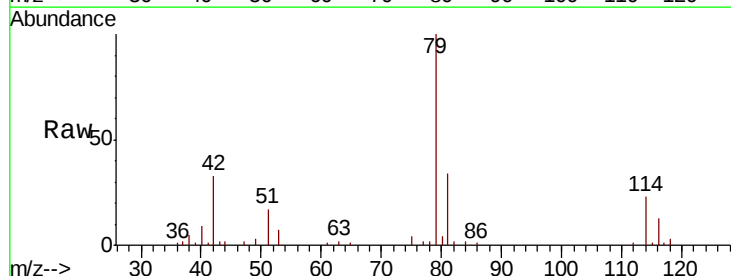
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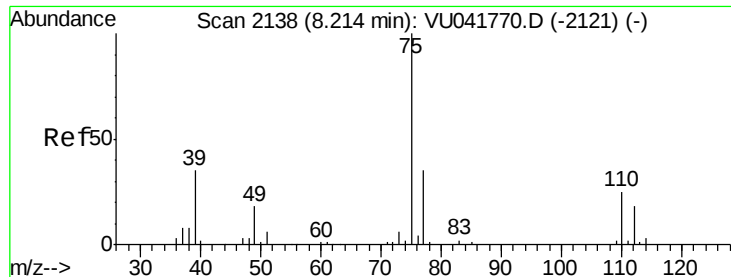
Tot Ion: 63 Resp: 5724
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.071 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041794.D
 Acq: 23 Dec 2020 20:07

Tgt Ion: 75 Resp: 1030
 Ion Ratio Lower Upper
 75 100
 77 60.5 22.3 41.3#

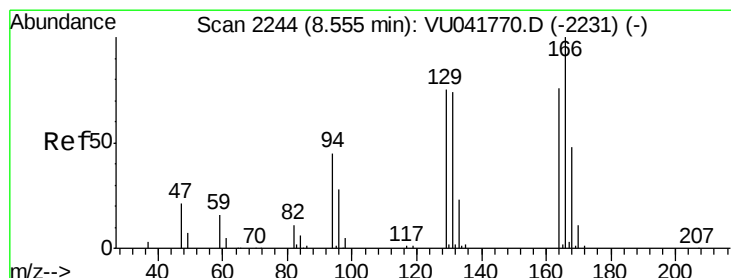
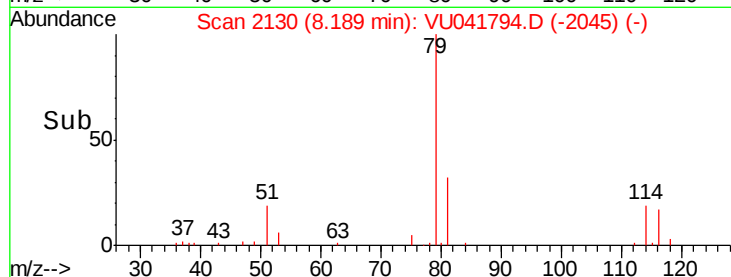
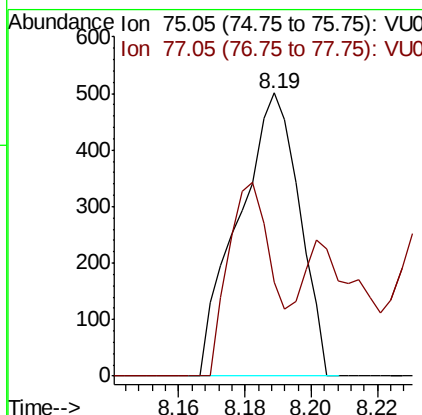
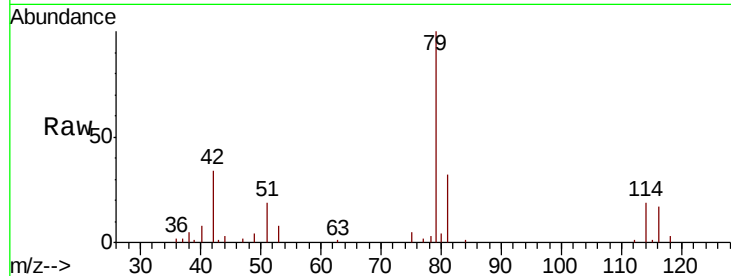




#44
trans-1,3-Dichloropropene
Concen: 0.049 ug/L
RT: 8.19 min Scan# 2130
Delta R.T. -0.03 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

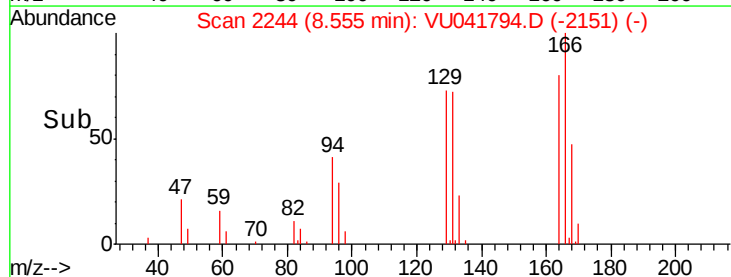
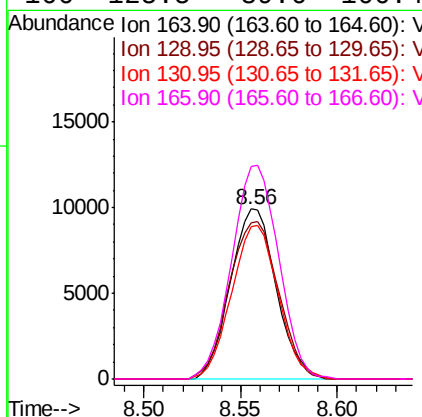
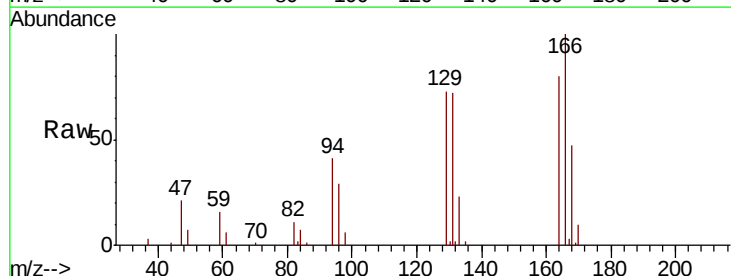
Instrument :
MSVOA_U
ClientSampleId :
BG4T2

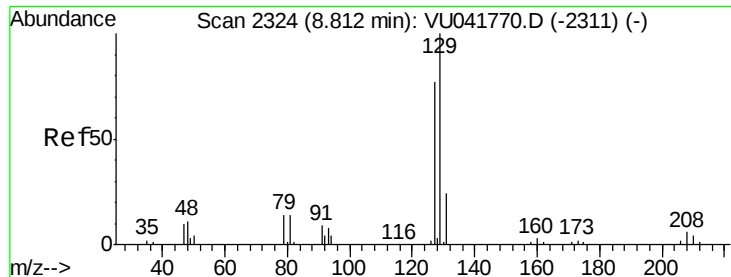
Tot Ion: 75 Resp: 638
Ion Ratio Lower Upper
75 100
77 33.1 23.8 44.2



#47
Tetrachloroethene
Concen: 2.419 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VU041794.D
Acq: 23 Dec 2020 20:07

Tgt Ion:164 Resp: 16330
Ion Ratio Lower Upper
164 100
129 91.9 72.2 134.0
131 90.0 66.9 124.3
166 125.5 89.6 166.4





#49

Dibromochloromethane

Concen: 1.947 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041794.D

Acq: 23 Dec 2020 20:07

Instrument :

MSVOA_U

ClientSampleId :

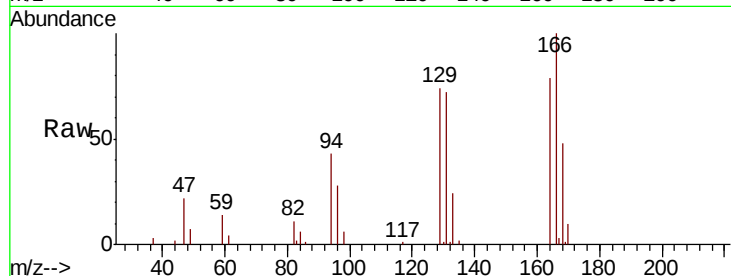
BG4T2

Tot Ion:129 Resp: 16235

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

10000

8000

6000

4000

2000

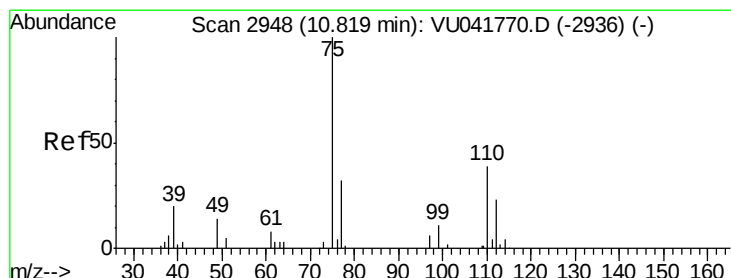
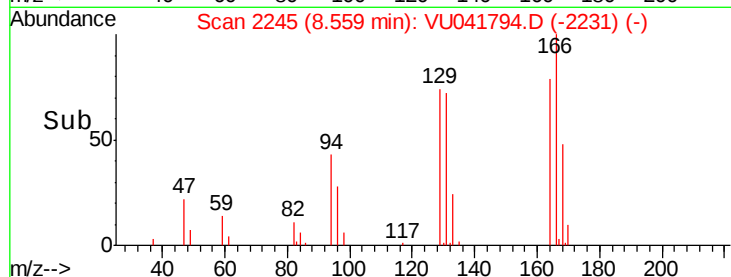
0

Time-->

8.50

8.55

8.60



#59

1,2,3-Trichloropropane

Concen: 0.841 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041794.D

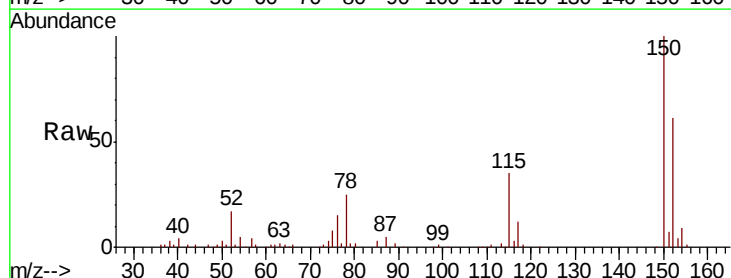
Acq: 23 Dec 2020 20:07

Tgt Ion: 75 Resp: 6198

Ion Ratio Lower Upper

75 100

77 26.0 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

4000

3000

2000

1000

0

Time-->

11.75

11.80

11.85

