

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101920\
 Data File : VU040794.D
 Acq On : 19 Oct 2020 11:04
 Operator : SY/MD
 Sample : L4354-22
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ42

Quant Time: Oct 20 01:36:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 01:28:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	116867	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	121001	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34676	3.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.60%
7) Chloroethane-d5	1.92	69	31938	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.58	63	53293	2.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.40%#
20) 2-Butanone-d5	4.66	46	183388	59.18	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.36%
24) Chloroform-d	5.08	84	81997	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	51096	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.74	84	144254	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
36) 1,2-Dichloropropane-d6	6.70	67	51015	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.91	98	109395	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	16866	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.64	63	110629	46.77	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.54%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48350	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46562	5.15	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	853	0.086	ug/L	95
5) Vinyl chloride	1.61	62	160426	15.384	ug/L	96
8) Chloroethane	1.82	64	1409	0.212	ug/L #	52
12) 1,1-Dichloroethene	2.59	96	2150	0.258	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	5848	0.670	ug/L	87
22) cis-1,2-Dichloroethene	4.69	96	994244	105.624	ug/L	98
34) Trichloroethene	6.56	95	12029	1.194	ug/L	94
35) Methylcyclohexane	6.70	83	12155	0.851	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5759	0.532	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1126	0.076	ug/L #	38
44) trans-1,3-Dichloropropene	8.18	75	891	0.065	ug/L #	64
47) Tetrachloroethene	8.56	164	6613	0.920	ug/L	95
48) 2-Hexanone	8.64	43	16187	2.518	ug/L #	76
49) Dibromochloromethane	8.56	129	6627	0.710	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6693	0.841	ug/L #	88
69) Naphthalene	14.08	128	756	0.053	ug/L #	76

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QLast Update : Tue Oct 20 01:28:45 2020
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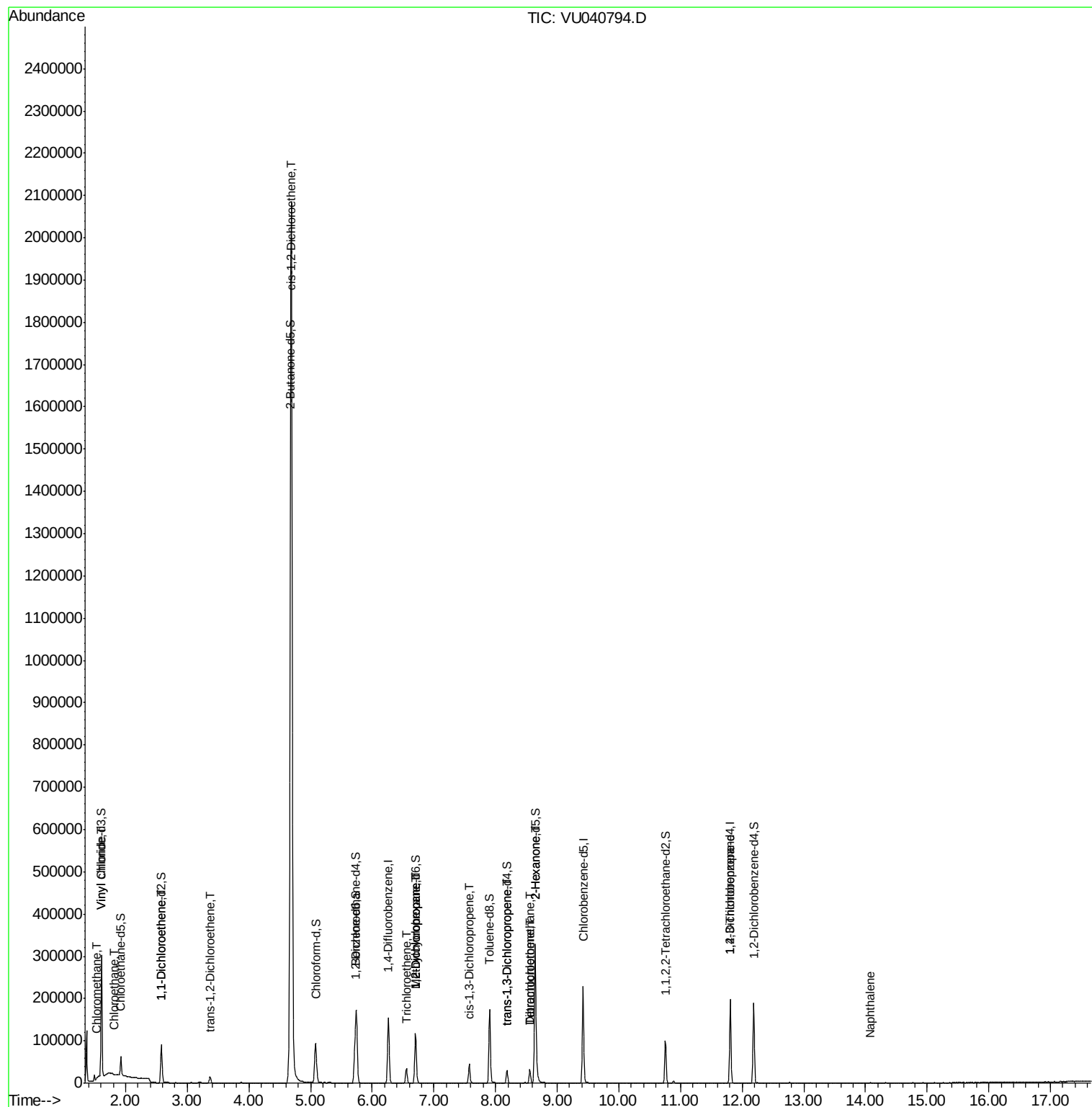
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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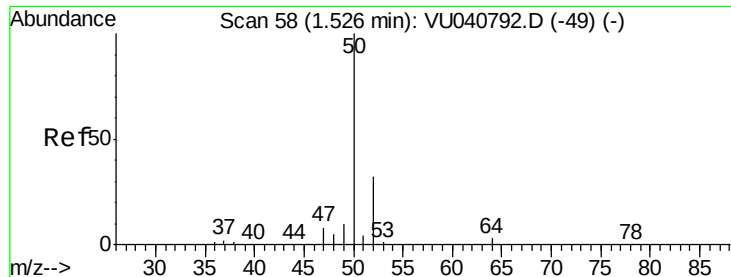
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.086 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

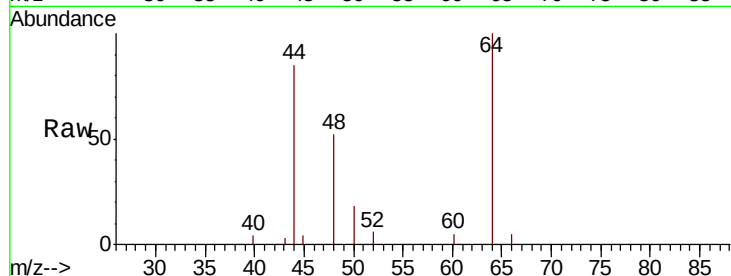
ETZ42

Tot Ion: 50 Resp: 853

Ion Ratio Lower Upper

50 100

52 34.0 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040792.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040792.D (-49) (-)

1.53

600

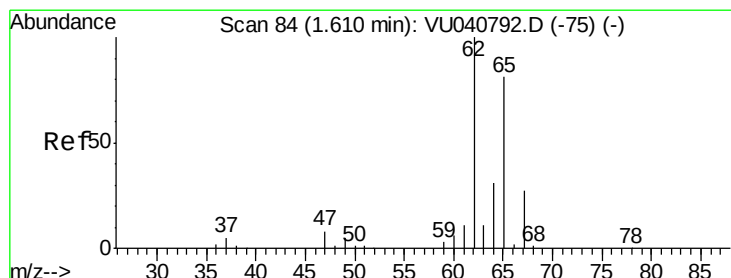
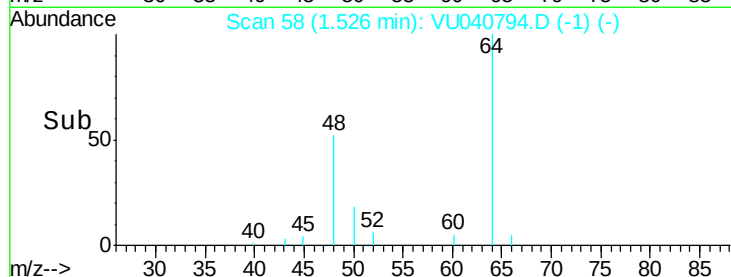
400

200

0

1.50 1.52 1.54

Time-->



#5

Vinyl chloride

Concen: 15.384 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040794.D

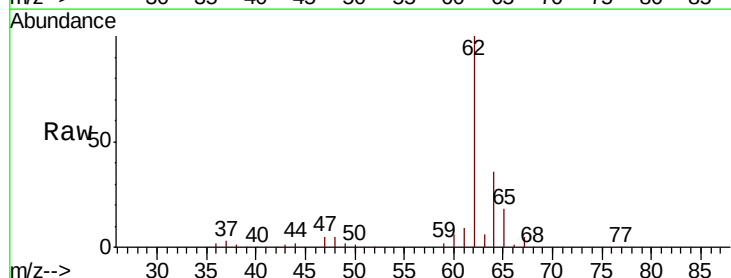
Acq: 19 Oct 2020 11:04

Tgt Ion: 62 Resp: 160426

Ion Ratio Lower Upper

62 100

64 36.4 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU040792.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040792.D (-75) (-)

1.61

150000

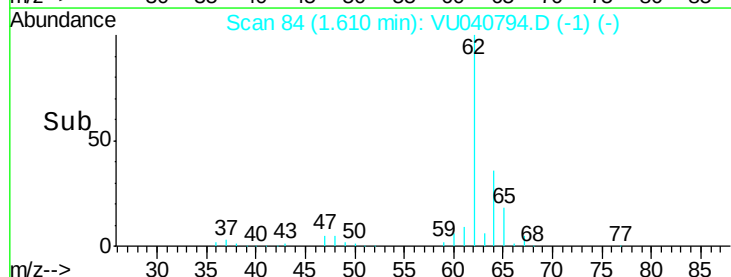
100000

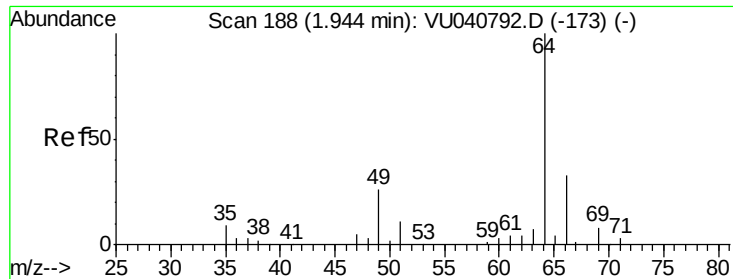
50000

0

1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 0.212 ug/L

RT: 1.82 min Scan# 150

Delta R.T. -0.12 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

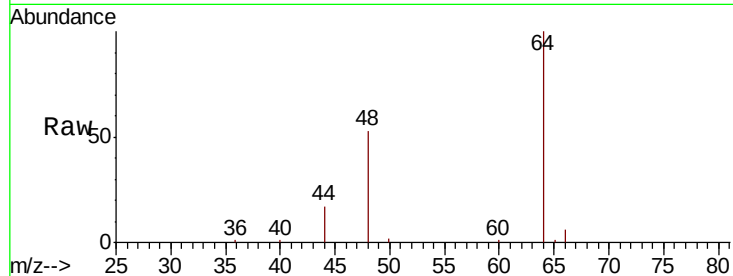
ETZ42

Tot Ion: 64 Resp: 1409

Ion Ratio Lower Upper

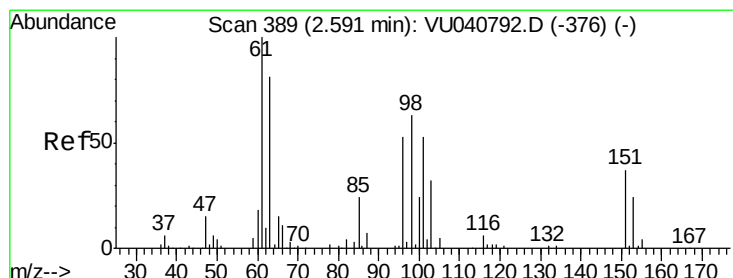
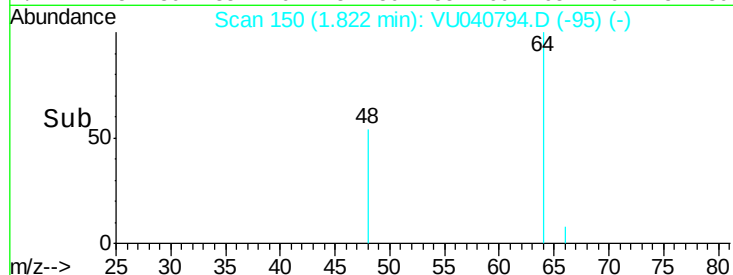
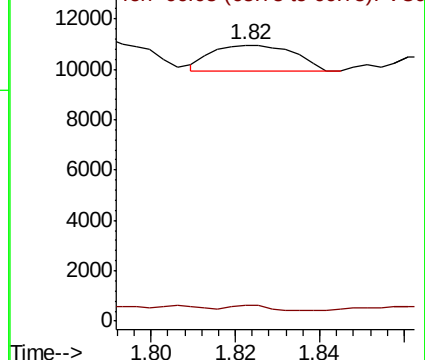
64 100

66 5.9 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#12

1,1-Dichloroethene

Concen: 0.258 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

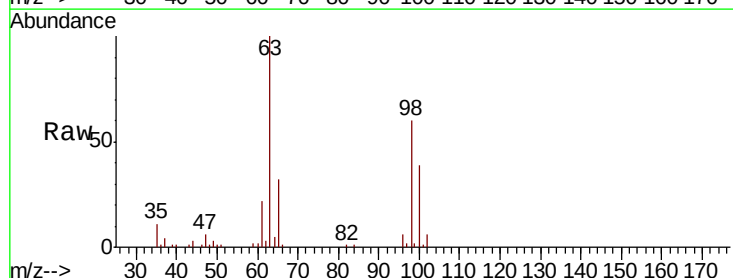
Tgt Ion: 96 Resp: 2150

Ion Ratio Lower Upper

96 100

61 356.7 128.8 239.2#

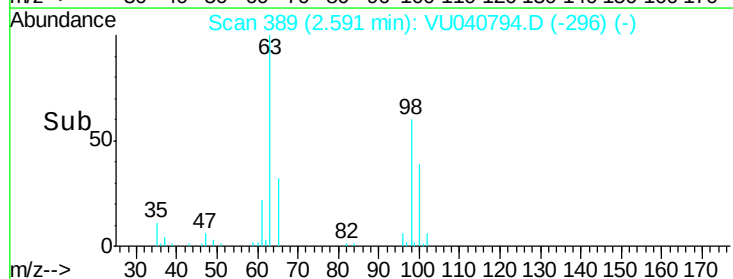
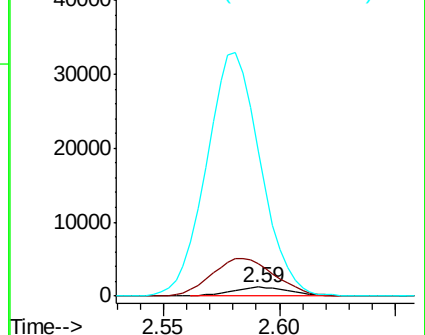
63 1597.4 84.6 157.2#

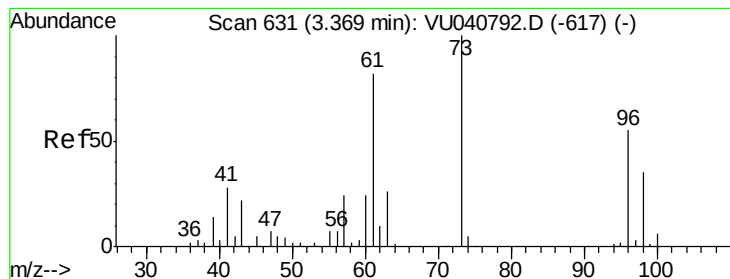


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.670 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampled :

ETZ42

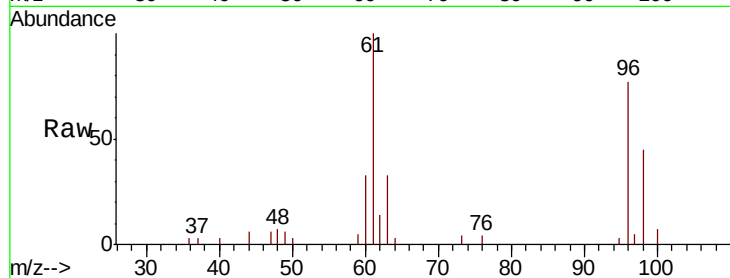
Tot Ion: 96 Resp: 5848

Ion Ratio Lower Upper

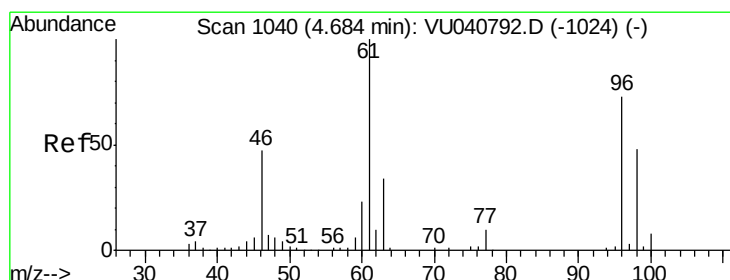
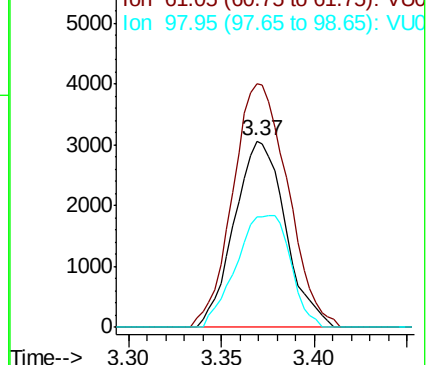
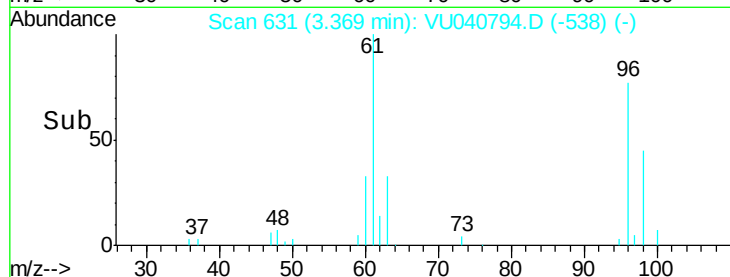
96 100

61 130.7 105.9 196.7

98 59.3 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU040794.D (-538) (-)



#22

cis-1,2-Dichloroethene

Concen: 105.624 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

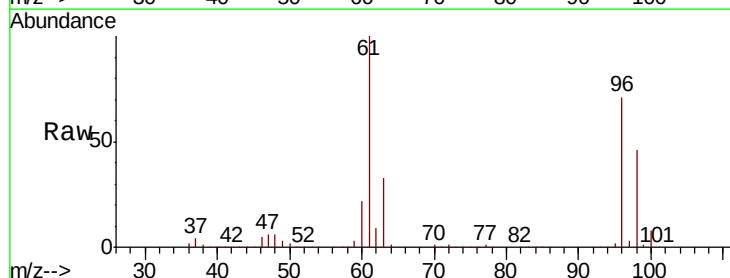
Tgt Ion: 96 Resp: 994244

Ion Ratio Lower Upper

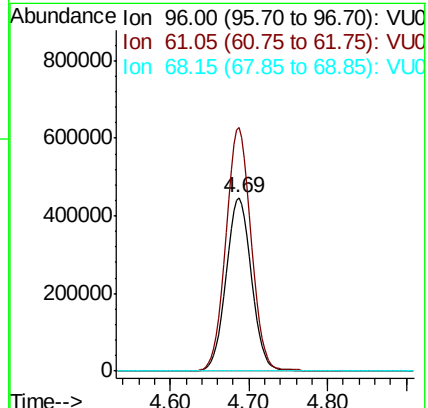
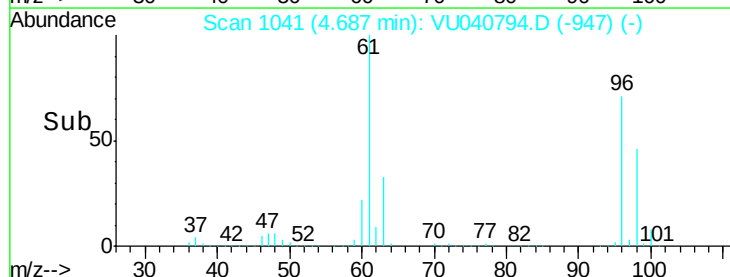
96 100

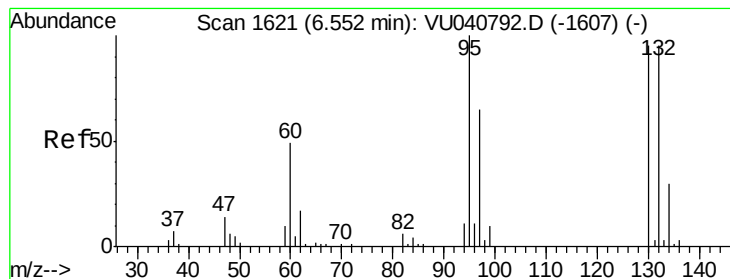
61 140.4 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040794.D (-947) (-)





#34

Trichloroethene

Concen: 1.194 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

ETZ42

Tot Ion: 95 Resp: 12029

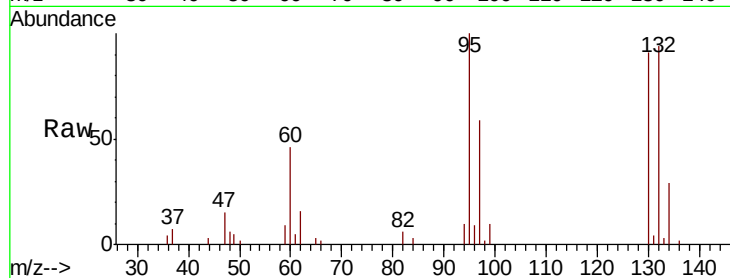
Ion Ratio Lower Upper

95 100

97 59.3 45.5 84.5

132 94.0 67.5 125.4

130 90.8 69.9 129.9

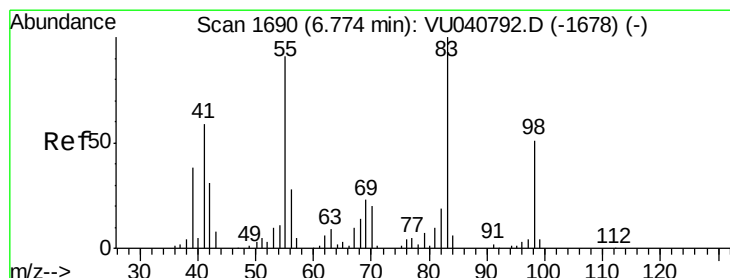
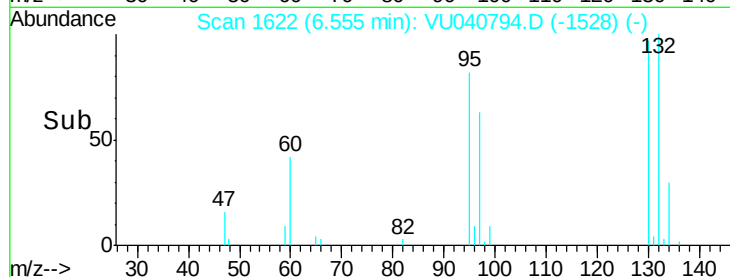
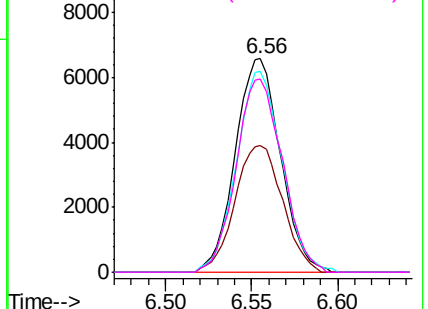


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.851 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

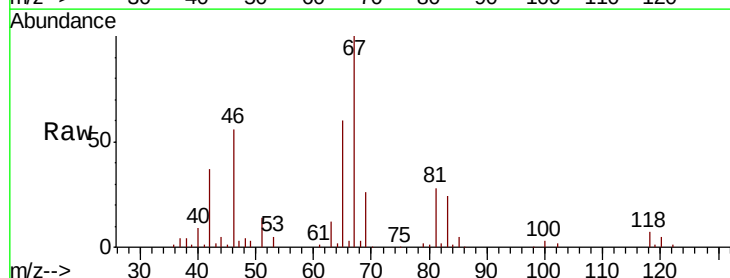
Tgt Ion: 83 Resp: 12155

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

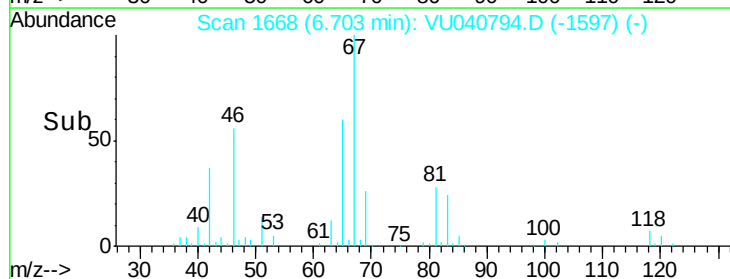
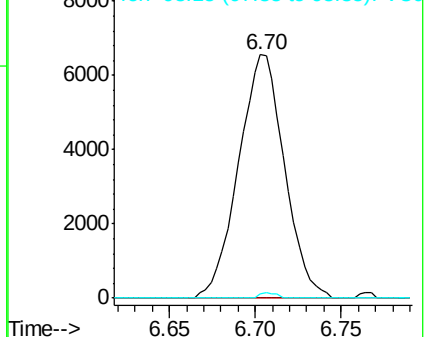
98 0.8 38.4 57.6#

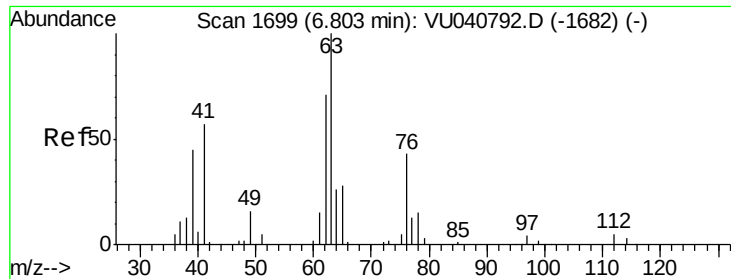


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

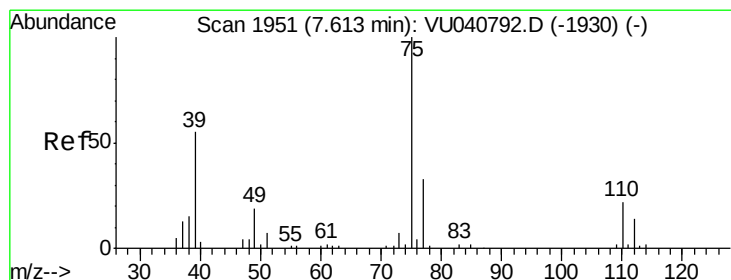
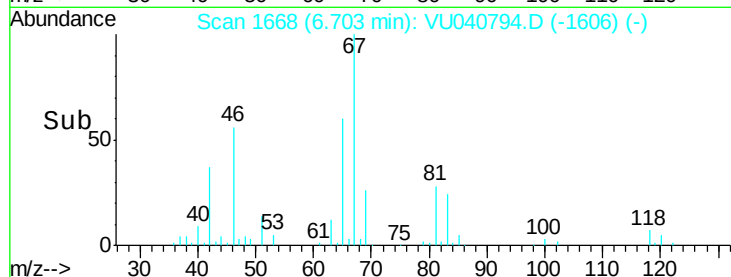
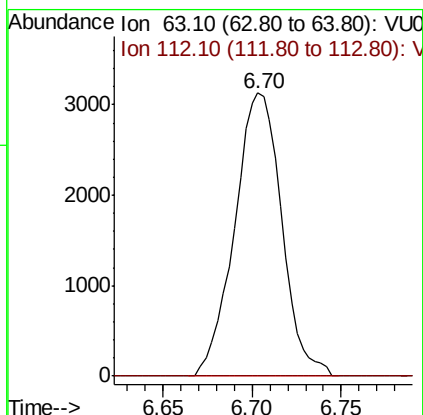
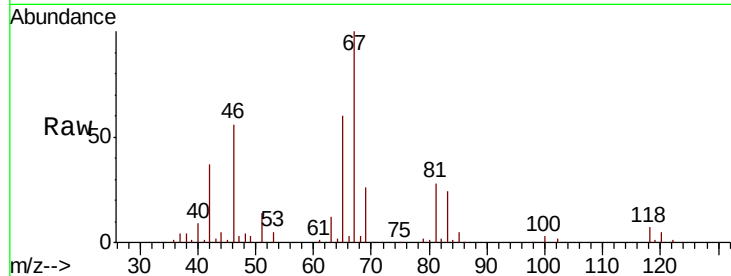




#37
 1,2-Dichloropropane
 Concen: 0.532 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040794.D
 Acq: 19 Oct 2020 11:04

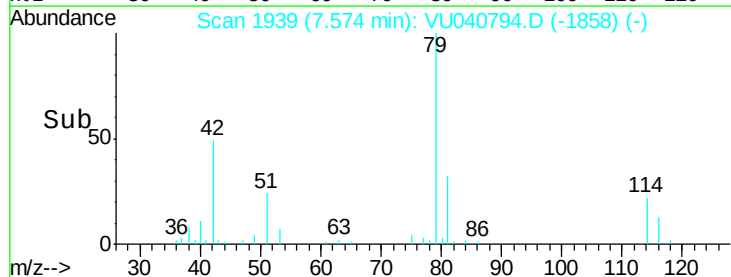
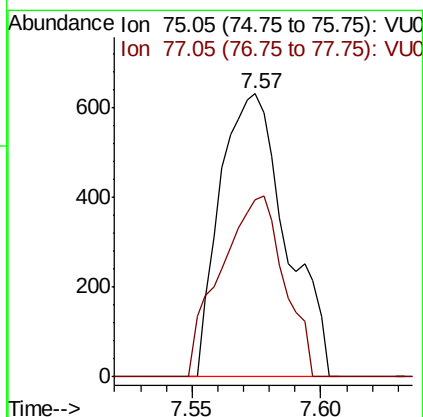
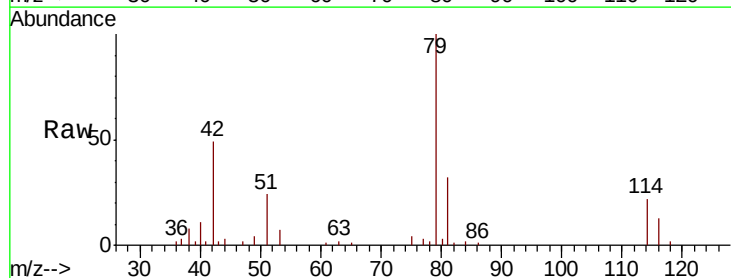
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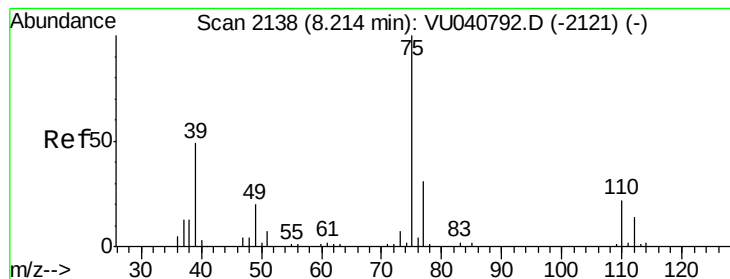
Tot Ion: 63 Resp: 5759
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040794.D
 Acq: 19 Oct 2020 11:04

Tgt Ion: 75 Resp: 1126
 Ion Ratio Lower Upper
 75 100
 77 62.8 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.065 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

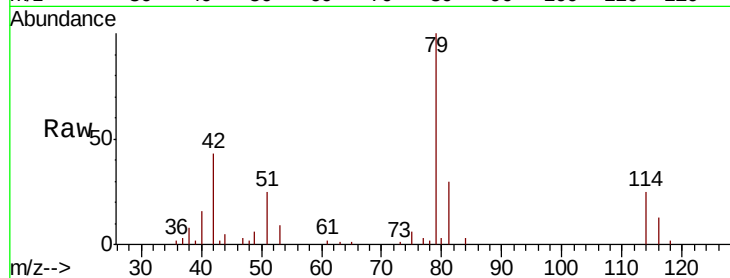
ETZ42

Tot Ion: 75 Resp: 891

Ion Ratio Lower Upper

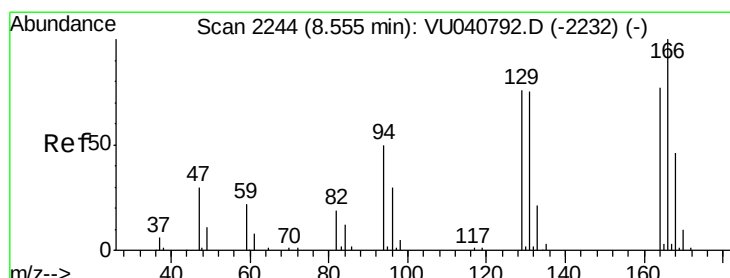
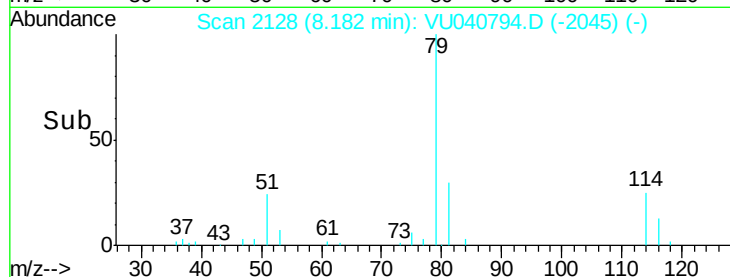
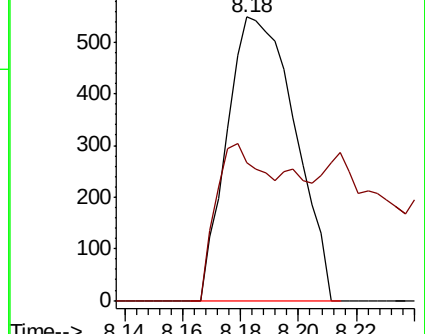
75 100

77 48.5 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 0.920 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Tgt Ion:164 Resp: 6613

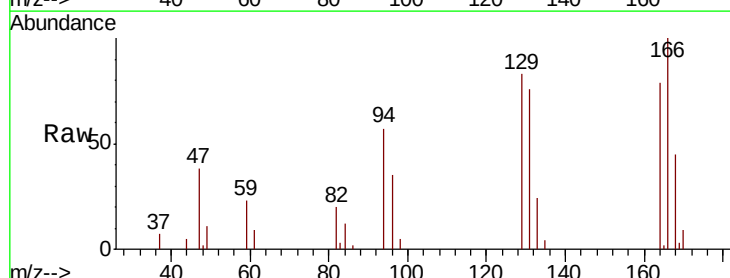
Ion Ratio Lower Upper

164 100

129 106.0 68.8 127.8

131 96.9 66.7 123.9

166 127.0 83.9 155.7

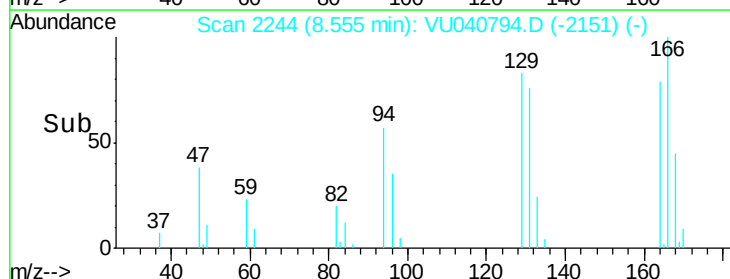
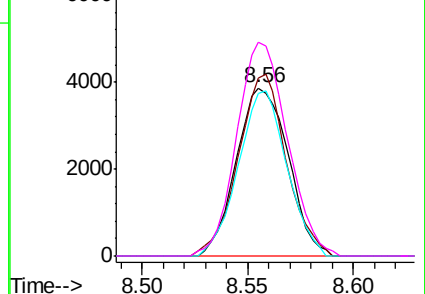


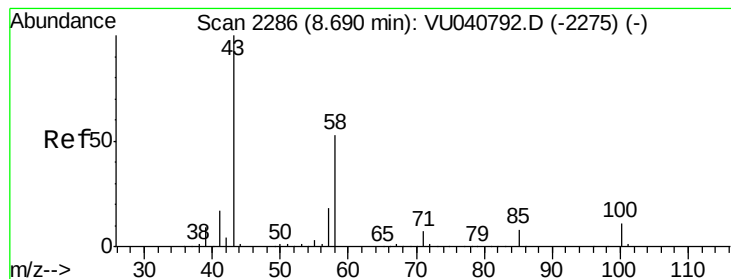
Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.518 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :
MSVOA_U
ClientSampleId :
ETZ42

Tot Ion: 43 Resp: 16187

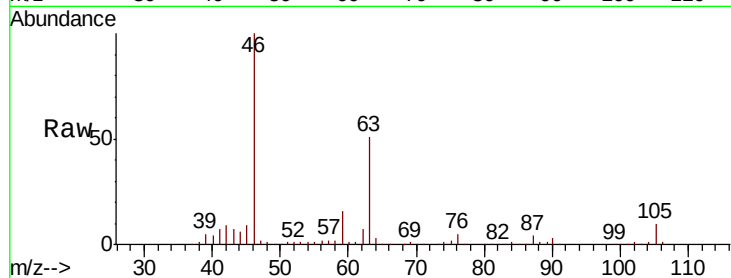
Ion Ratio Lower Upper

43 100

58 36.1 41.0 61.6#

57 29.9 14.4 21.6#

100 0.8 8.6 13.0#

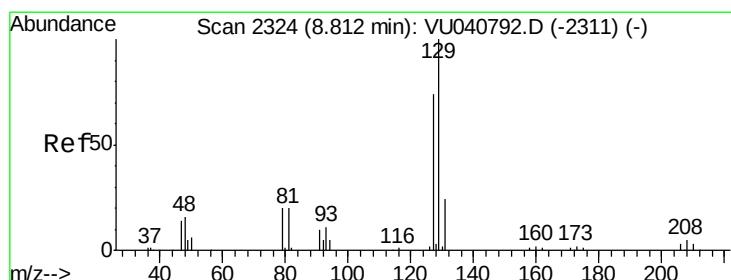
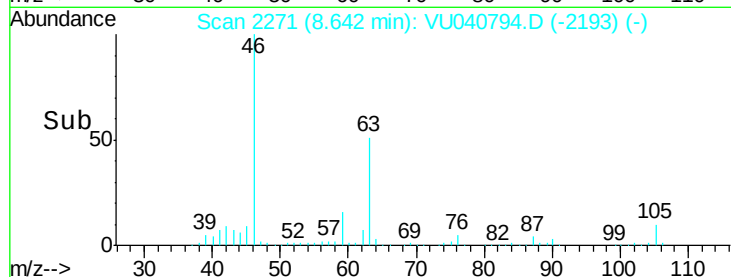
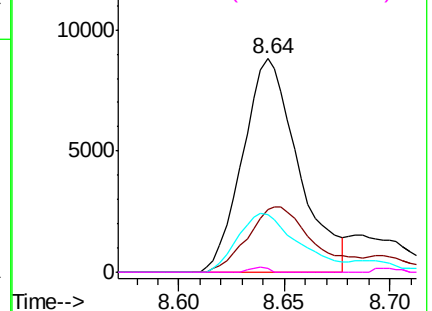


Abundance Ion 43.05 (42.75 to 43.75): VU040794.D (-2275) (-)

Ion 58.05 (57.75 to 58.75): VU040794.D (-2275) (-)

Ion 57.20 (56.90 to 57.90): VU040794.D (-2275) (-)

Ion 100.15 (99.85 to 100.85): VU040794.D (-2275) (-)



#49

Dibromochloromethane

Concen: 0.710 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040794.D

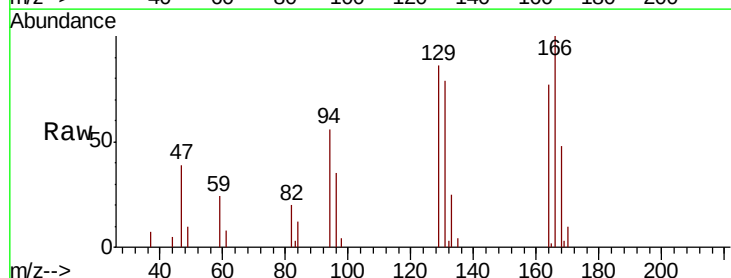
Acq: 19 Oct 2020 11:04

Tgt Ion: 129 Resp: 6627

Ion Ratio Lower Upper

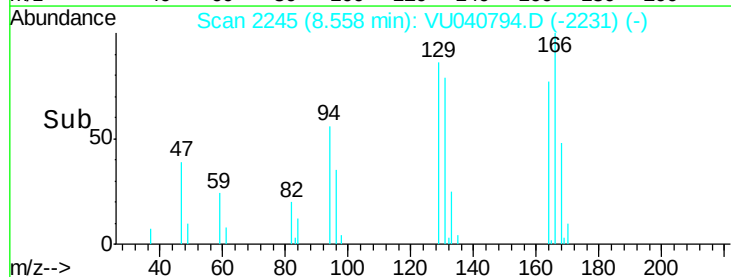
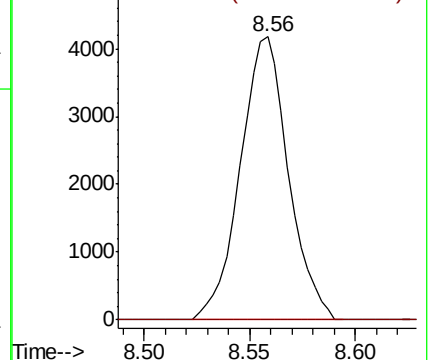
129 100

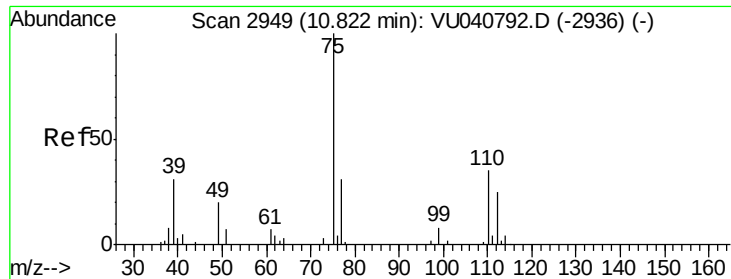
127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): VU040794.D (-2245) (-)

Ion 126.90 (126.60 to 127.60): VU040794.D (-2245) (-)





#59

1,2,3-Trichloropropane

Concen: 0.841 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

Instrument :

MSVOA_U

ClientSampleId :

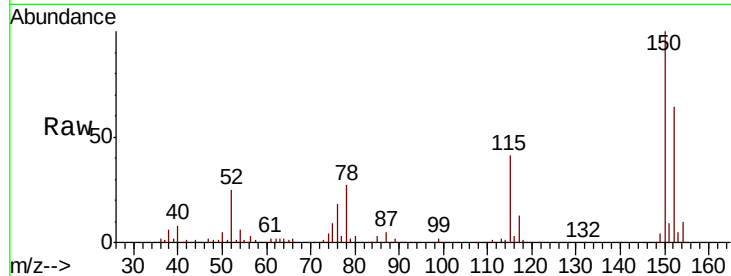
ETZ42

Tot Ion: 75 Resp: 6693

Ion Ratio Lower Upper

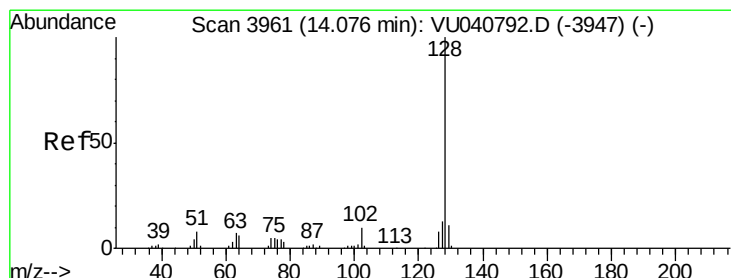
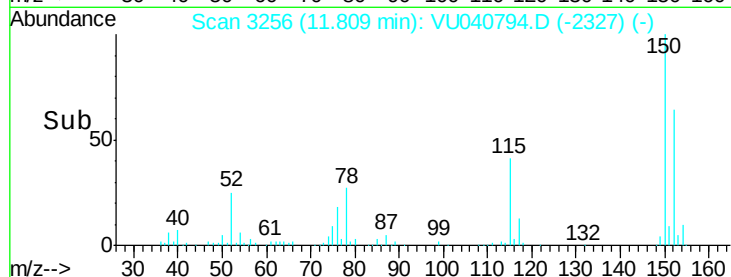
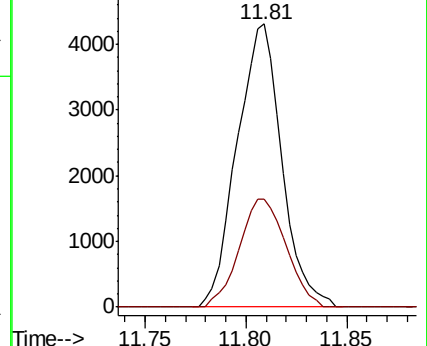
75 100

77 40.0 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU040792.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040792.D (-2936) (-)



#69

Naphthalene

Concen: 0.053 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU040794.D

Acq: 19 Oct 2020 11:04

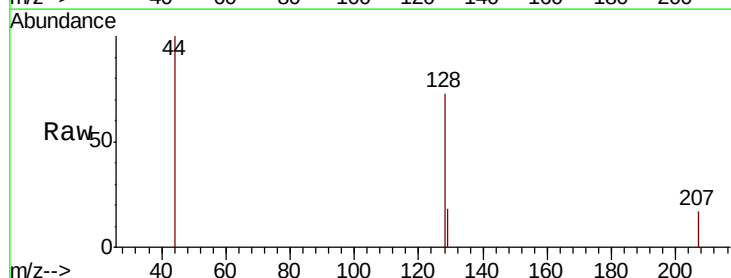
Tgt Ion: 128 Resp: 756

Ion Ratio Lower Upper

128 100

129 6.0 9.0 13.4#

127 0.0 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): VU040792.D (-3947) (-)

Ion 129.00 (128.70 to 129.70): VU040792.D (-3947) (-)

Ion 127.00 (126.70 to 127.70): VU040792.D (-3947) (-)

