

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040783.D
 Acq On : 17 Oct 2020 23:55
 Operator : SY/MD
 Sample : L4354-15
 Misc : 25.4mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETZ35

Quant Time: Oct 19 03:11:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	120521	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122853	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	50287	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37418	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.93	69	34697	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.58	63	58153	2.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.60%#
20) 2-Butanone-d5	4.66	46	190613	59.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.30%
24) Chloroform-d	5.08	84	84672	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.72	65	56354	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.75	84	151032	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.70	67	55324	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	115088	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.60%
43) trans-1,3-Dichloropropene-	8.19	79	19006	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	120630	50.23	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.46%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52018	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	51472	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	1710	0.167 ug/L	84
5) Vinyl chloride	1.61	62	271768	25.271 ug/L	98
8) Chloroethane	2.04	64	2684	0.392 ug/L #	51
12) 1,1-Dichloroethene	2.58	96	929	0.108 ug/L #	1
14) Carbon disulfide	2.82	76	1176	0.049 ug/L #	76
18) trans-1,2-Dichloroethene	3.37	96	1322	0.147 ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	267635	27.570 ug/L	96
25) Chloroform	5.11	83	4995	0.263 ug/L	98
34) Trichloroethene	6.56	95	2688	0.263 ug/L	87
35) Methylcyclohexane	6.70	83	12930	0.891 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6217	0.565 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1306	0.087 ug/L #	46
44) trans-1,3-Dichloropropene	8.19	75	985	0.071 ug/L	85
48) 2-Hexanone	8.64	43	17139	2.626 ug/L #	75
59) 1,2,3-Trichloropropane	11.81	75	7088	0.877 ug/L	97

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QLast Update : Mon Oct 19 03:08:11 2020
Response via : Initial Calibration

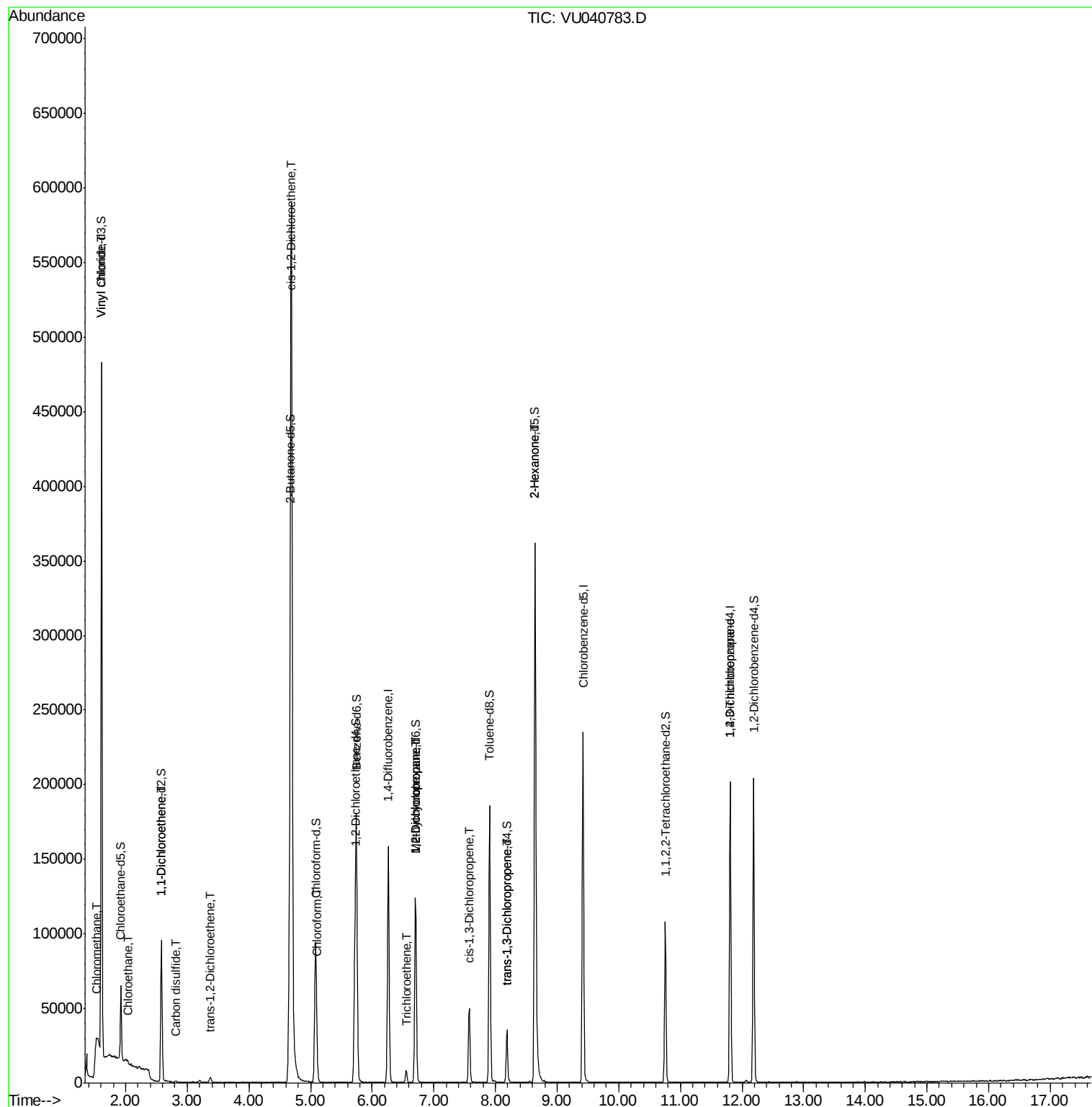
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

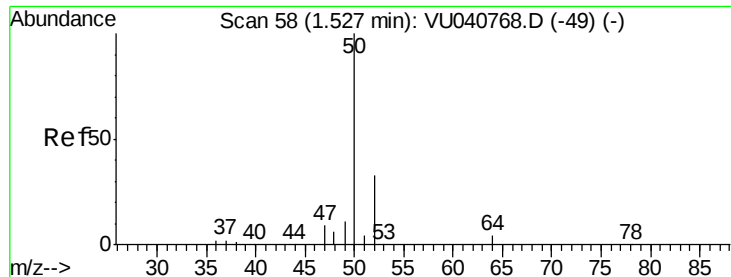
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.167 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

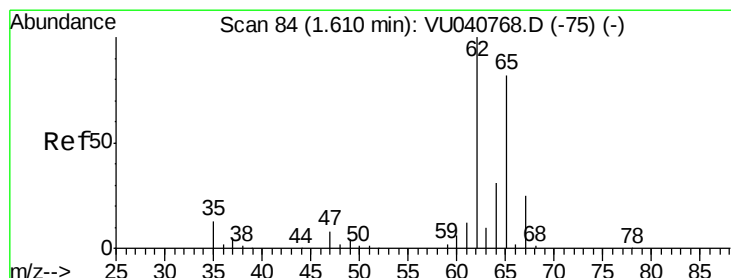
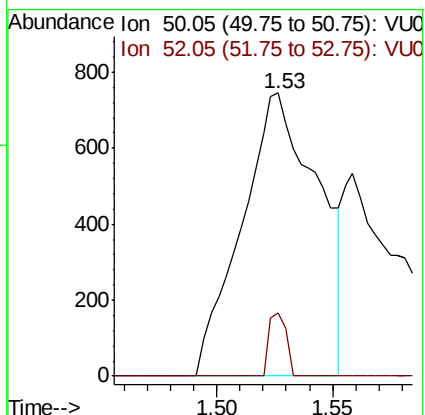
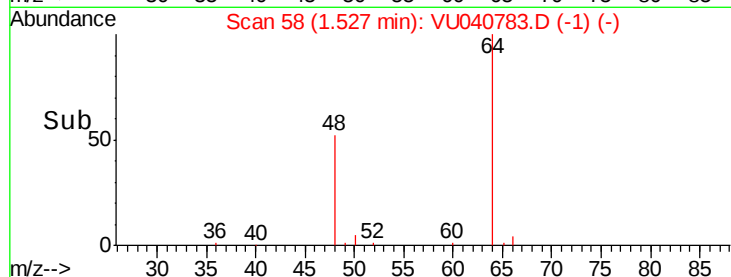
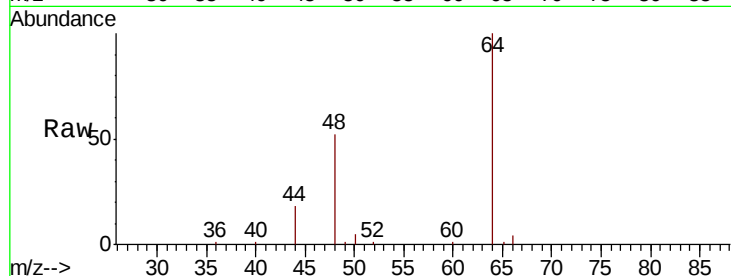
ETZ35

Tot Ion: 50 Resp: 1710

Ion Ratio Lower Upper

50 100

52 22.6 21.9 40.7



#5

Vinyl chloride

Concen: 25.271 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040783.D

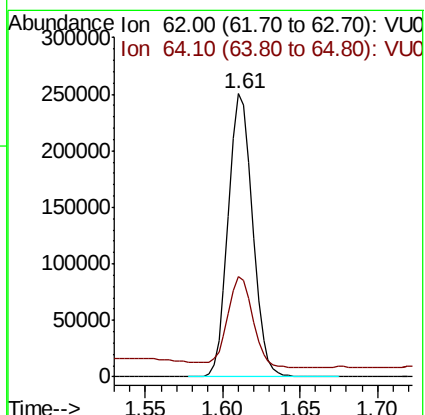
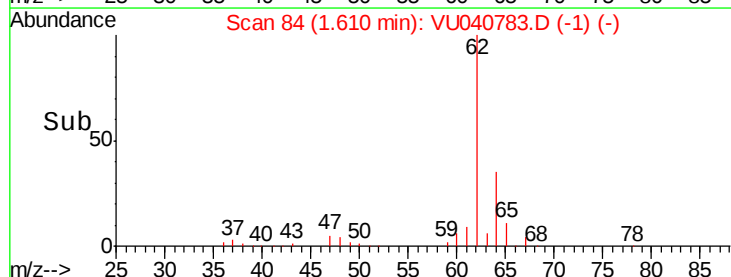
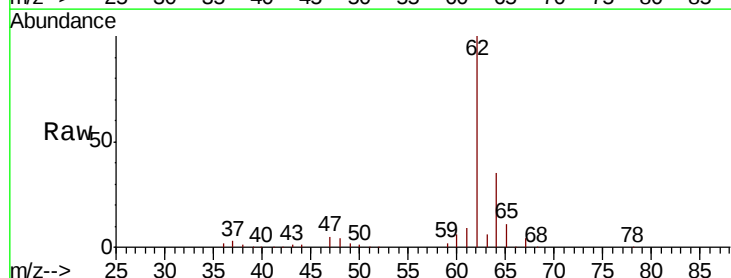
Acq: 17 Oct 2020 23:55

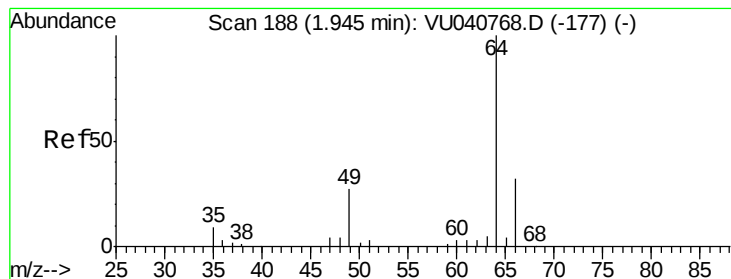
Tgt Ion: 62 Resp: 271768

Ion Ratio Lower Upper

62 100

64 35.3 23.7 44.1





#8

Chloroethane

Concen: 0.392 ug/L

RT: 2.04 min Scan# 217

Delta R.T. 0.09 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

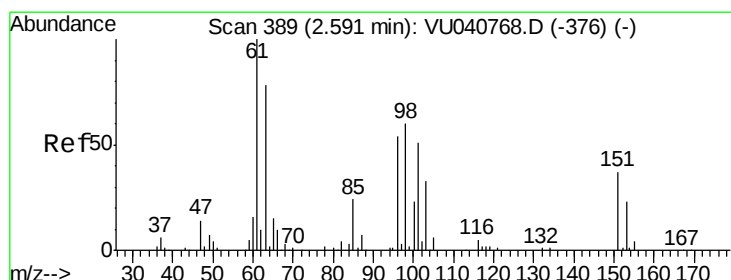
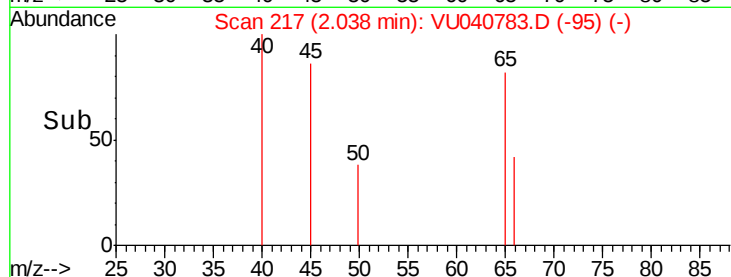
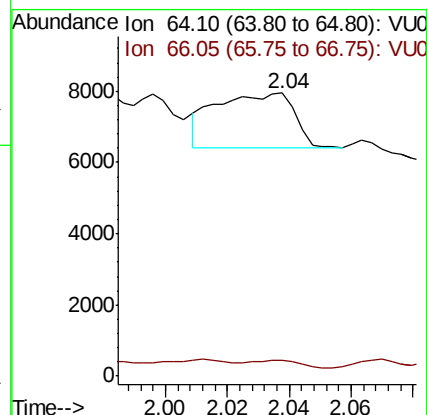
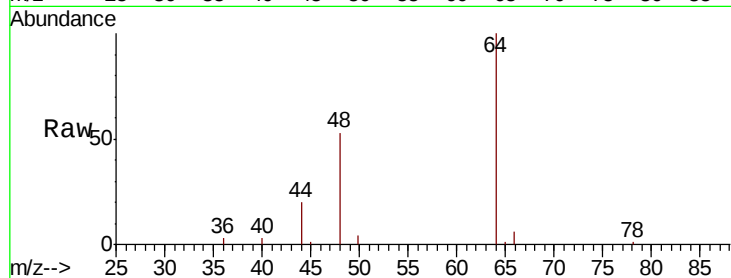
ETZ35

Tot Ion: 64 Resp: 2684

Ion Ratio Lower Upper

64 100

66 5.7 23.3 43.3#



#12

1,1-Dichloroethene

Concen: 0.108 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

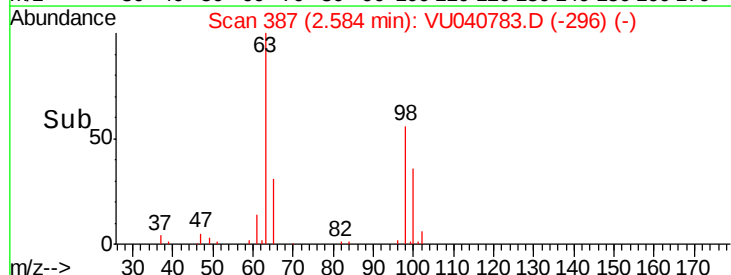
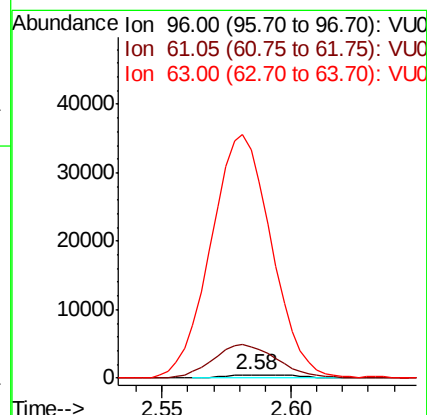
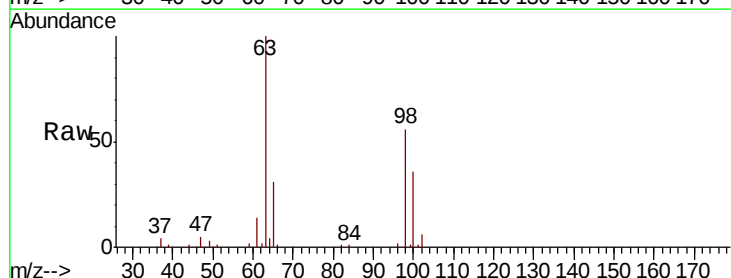
Tgt Ion: 96 Resp: 929

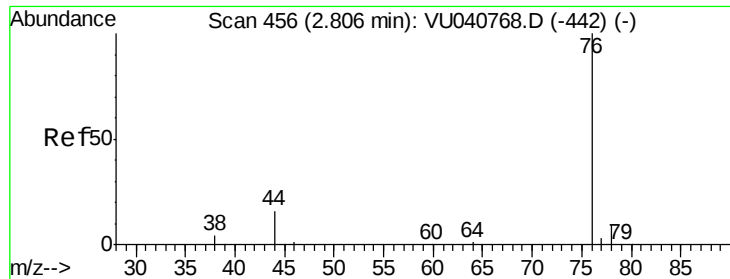
Ion Ratio Lower Upper

96 100

61 909.2 128.8 239.2#

63 6544.6 84.6 157.2#





#14

Carbon disulfide

Concen: 0.049 ug/L

RT: 2.82 min Scan# 459

Delta R.T. 0.01 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

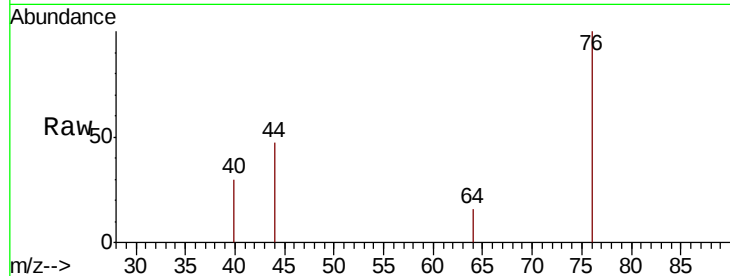
ETZ35

Tot Ion: 76 Resp: 1176

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.82

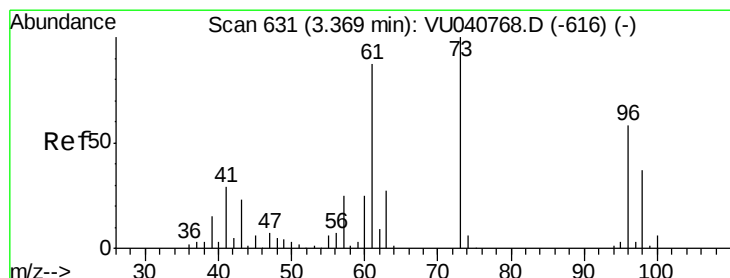
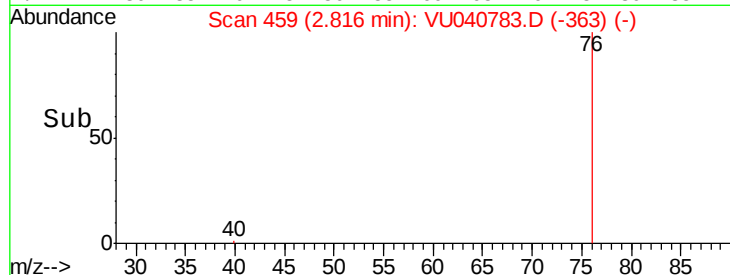
600

400

200

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.147 ug/L

RT: 3.37 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

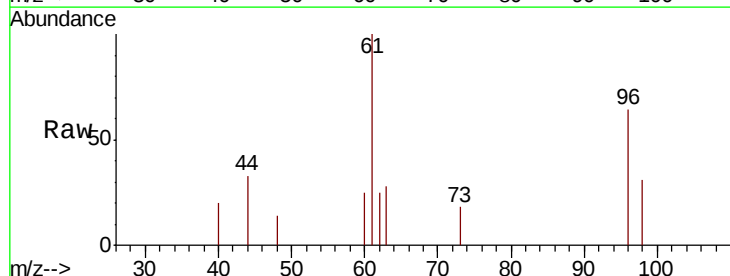
Tgt Ion: 96 Resp: 1322

Ion Ratio Lower Upper

96 100

61 157.1 105.9 196.7

98 49.4 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0

1200

1000

800

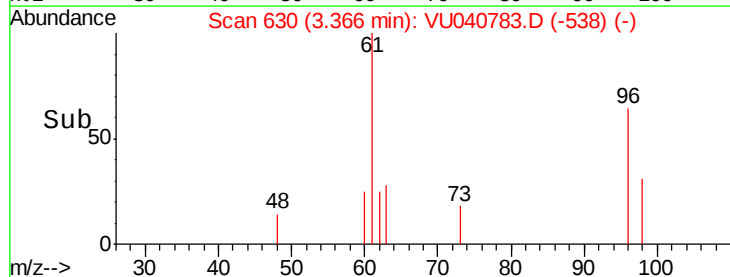
600

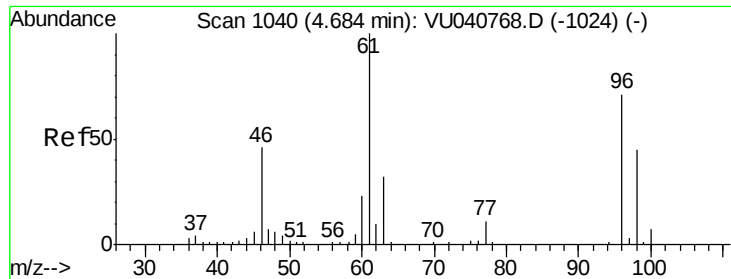
400

200

0

Time-->





#22

cis-1,2-Dichloroethene

Concen: 27.570 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

ETZ35

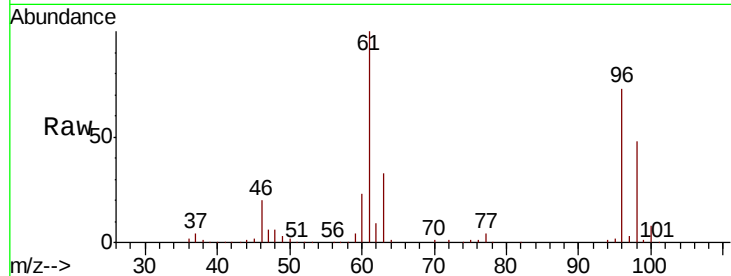
Tot Ion: 96 Resp: 267635

Ion Ratio Lower Upper

96 100

61 137.5 99.8 185.4

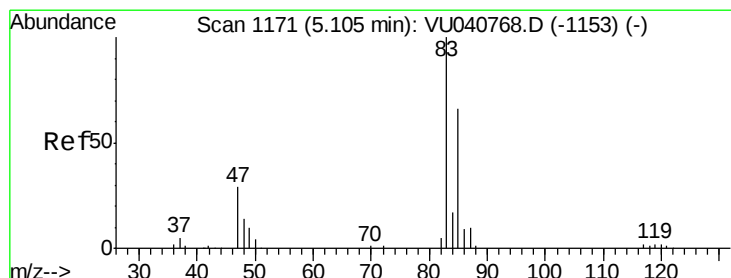
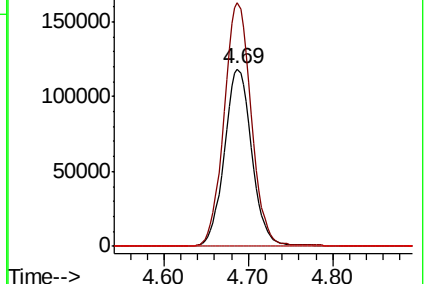
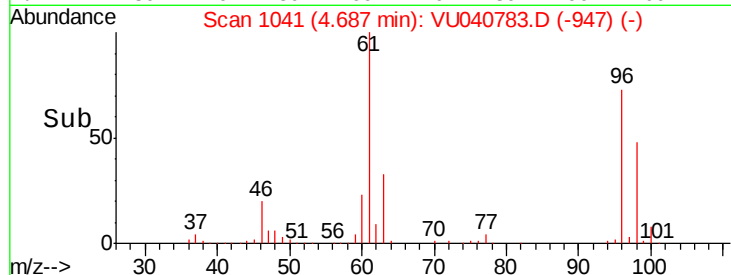
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040783.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040783.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040783.D (-947) (-)



#25

Chloroform

Concen: 0.263 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040783.D

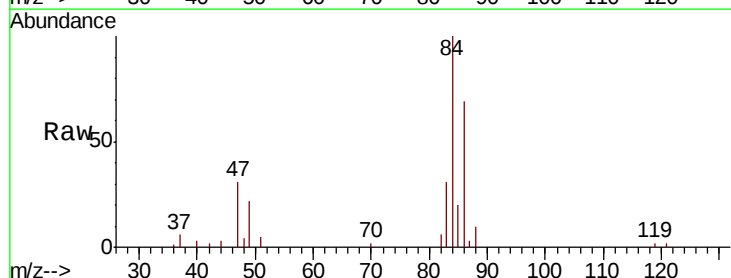
Acq: 17 Oct 2020 23:55

Tgt Ion: 83 Resp: 4995

Ion Ratio Lower Upper

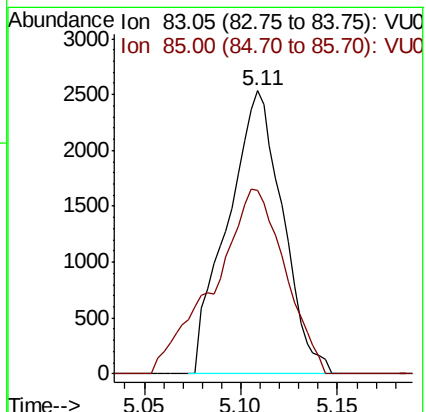
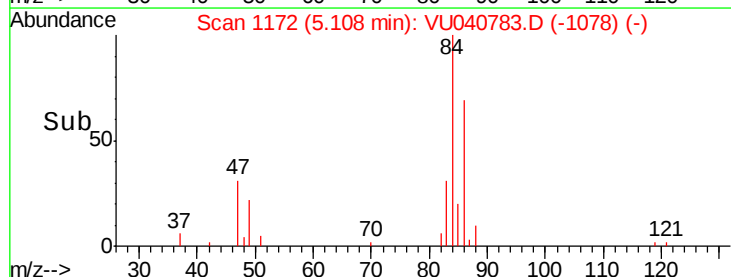
83 100

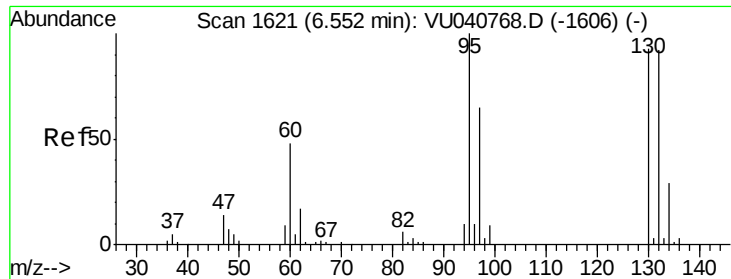
85 64.9 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU040783.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU040783.D (-1078) (-)

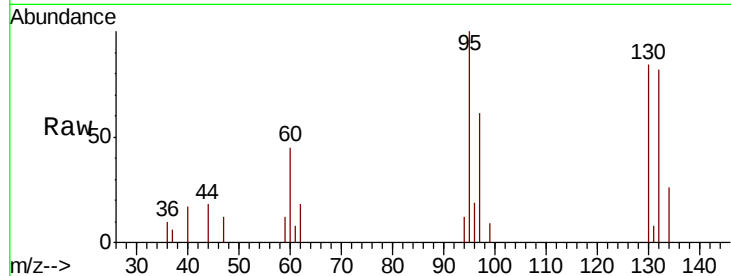




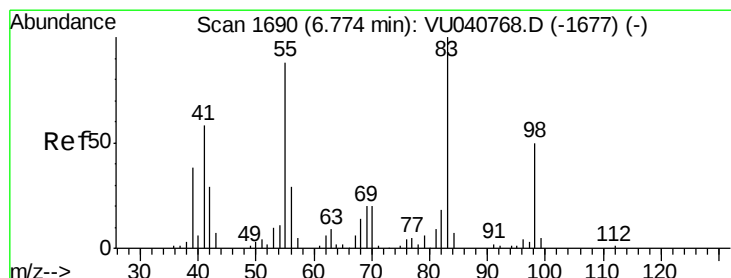
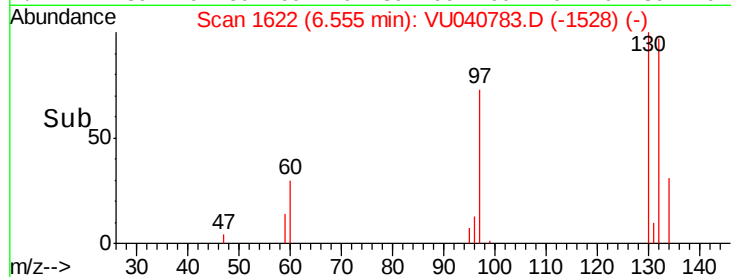
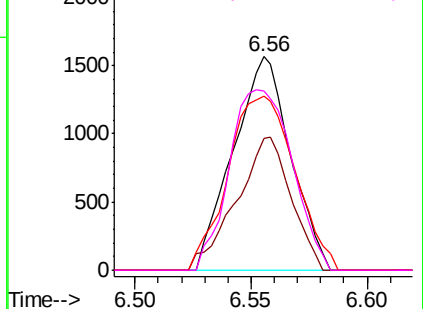
#34
 Trichloroethene
 Concen: 0.263 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040783.D
 Acq: 17 Oct 2020 23:55

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Tot Ion: 95 Resp: 2688
 Ion Ratio Lower Upper
 95 100
 97 61.5 45.5 84.5
 132 81.5 67.5 125.4
 130 83.8 69.9 129.9

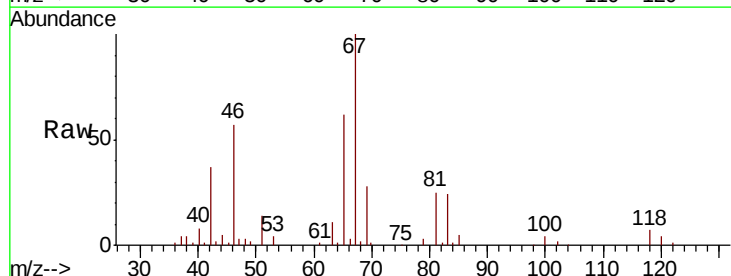


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

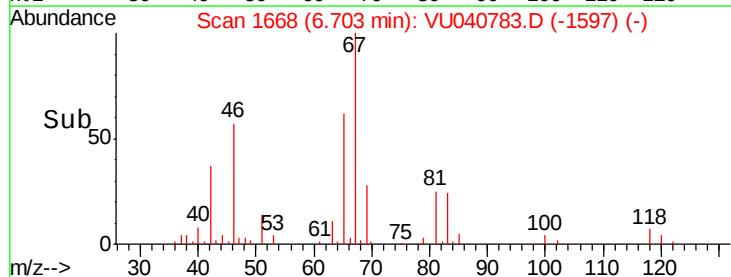
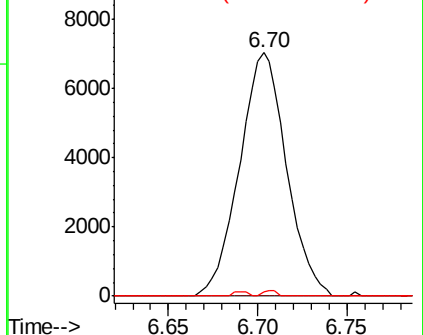


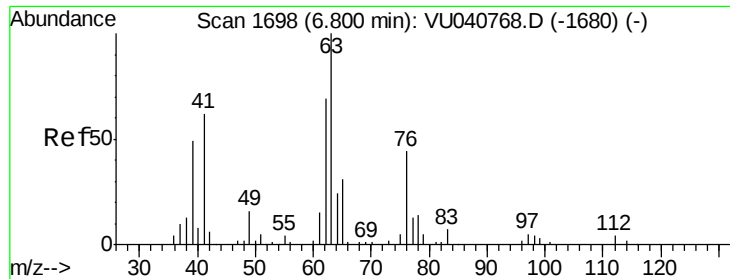
#35
 Methylcyclohexane
 Concen: 0.891 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040783.D
 Acq: 17 Oct 2020 23:55

Tgt Ion: 83 Resp: 12930
 Ion Ratio Lower Upper
 83 100
 55 0.0 70.7 106.1#
 98 0.6 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

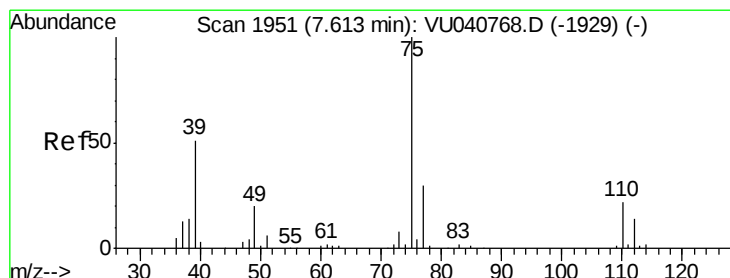
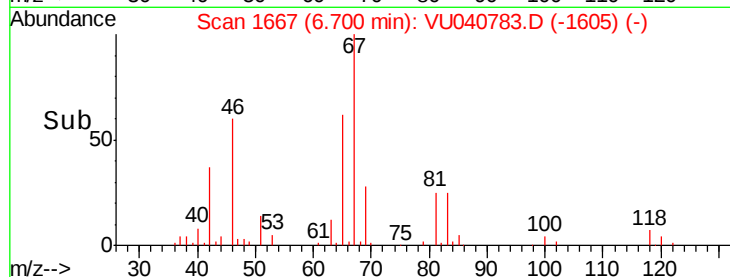
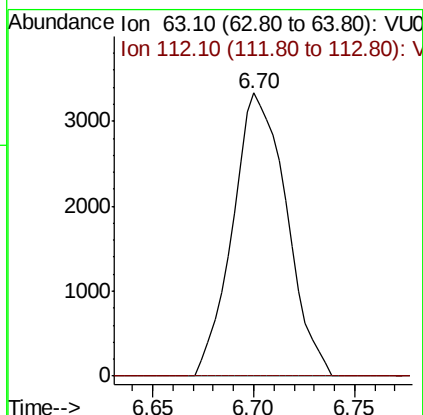
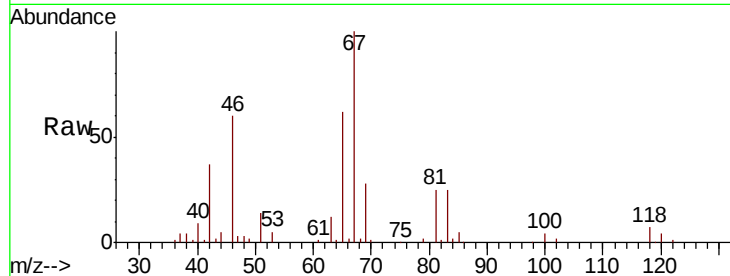




#37
 1,2-Dichloropropane
 Concen: 0.565 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040783.D
 Acq: 17 Oct 2020 23:55

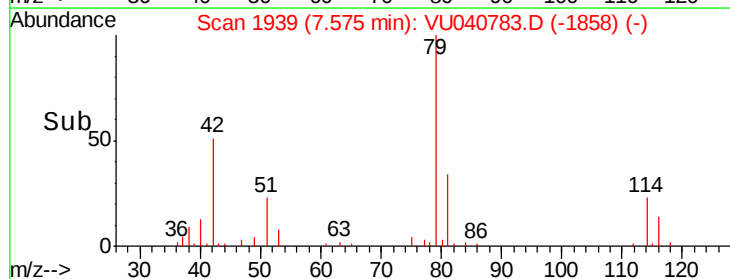
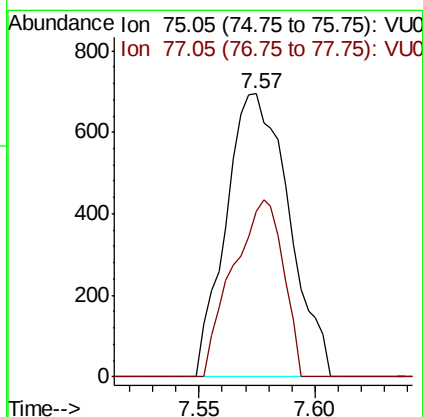
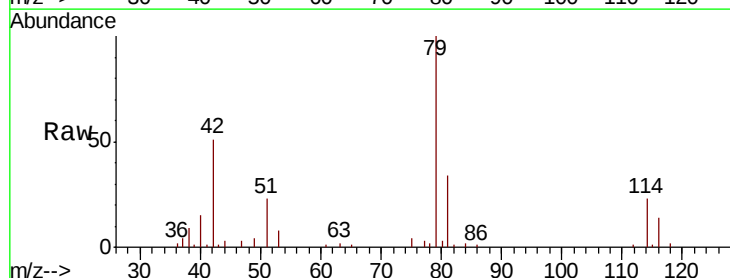
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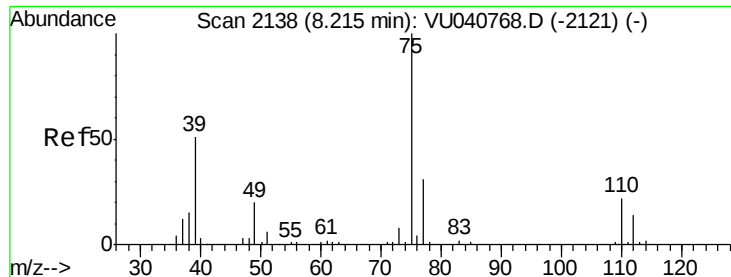
Tot Ion: 63 Resp: 6217
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040783.D
 Acq: 17 Oct 2020 23:55

Tgt Ion: 75 Resp: 1306
 Ion Ratio Lower Upper
 75 100
 77 58.4 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.071 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

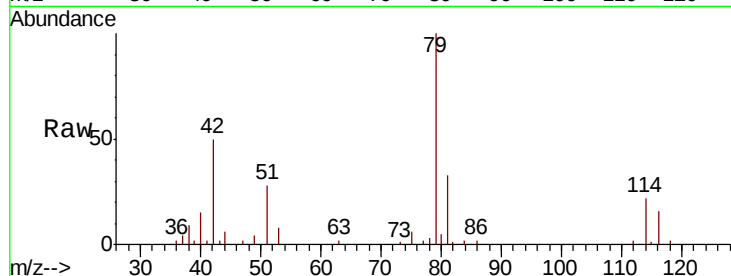
ETZ35

Tot Ion: 75 Resp: 985

Ion Ratio Lower Upper

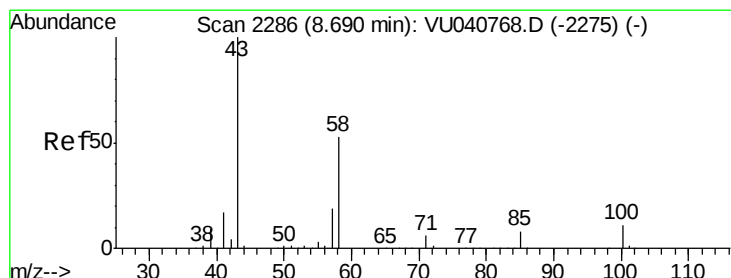
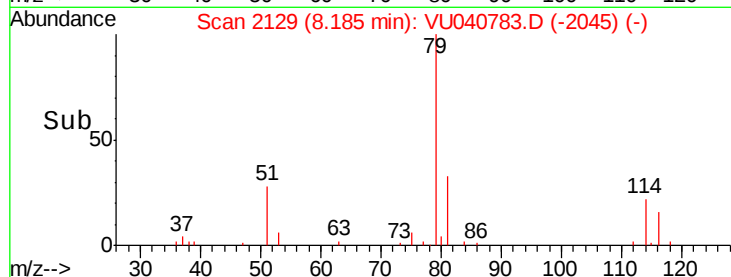
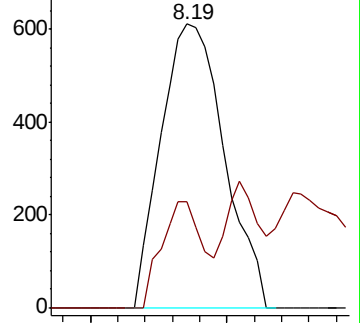
75 100

77 37.3 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.626 ug/L

RT: 8.64 min Scan# 2271

Delta R.T. -0.05 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Tgt Ion: 43 Resp: 17139

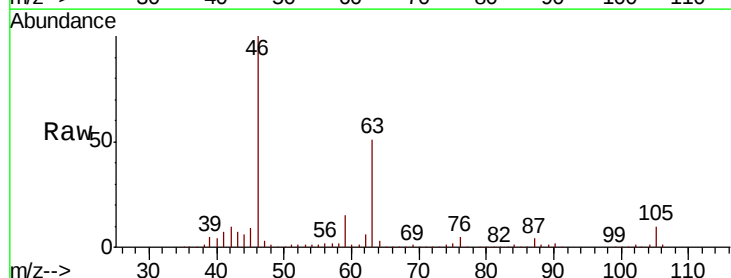
Ion Ratio Lower Upper

43 100

58 37.7 41.0 61.6#

57 36.3 14.4 21.6#

100 1.9 8.6 13.0#

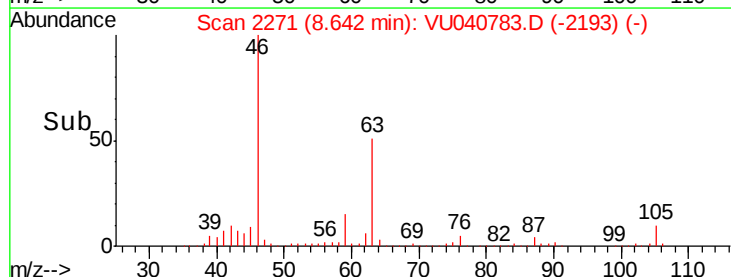
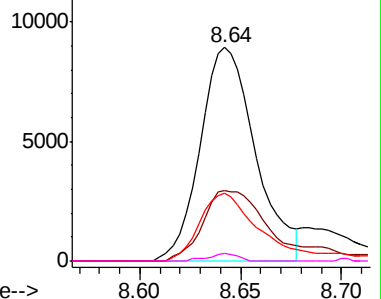


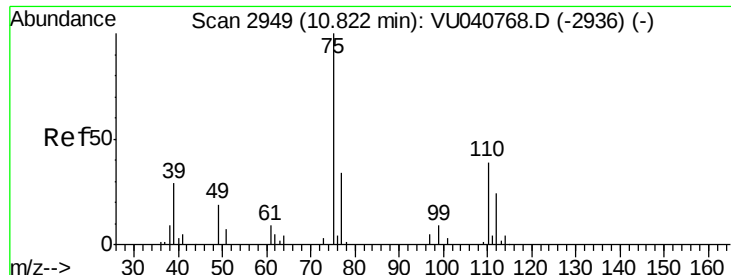
Abundance Ion 43.05 (42.75 to 43.75): VU0

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





#59

1,2,3-Trichloropropane

Concen: 0.877 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040783.D

Acq: 17 Oct 2020 23:55

Instrument :

MSVOA_U

ClientSampleId :

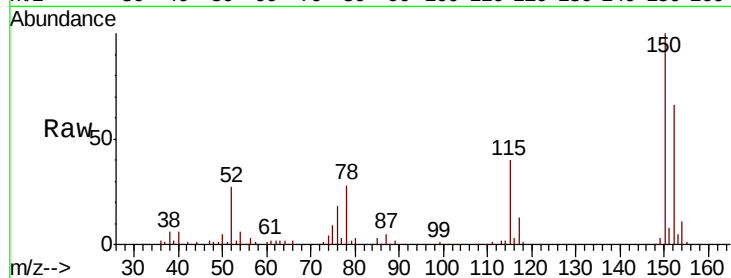
ETZ35

Tot Ion: 75 Resp: 7088

Ion Ratio Lower Upper

75 100

77 34.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

