

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040376.D
 Acq On : 29 Sep 2020 22:24
 Operator : SY/MD
 Sample : L4186-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E8

Quant Time: Sep 30 02:57:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124772	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	126964	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55630	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28026	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.92	69	27072	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	47035	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.65	46	164949	53.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.52%
24) Chloroform-d	5.08	84	72902	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.72	65	45390	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	128318	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	46002	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.91	98	99124	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.19	79	17034	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	113645	50.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44594	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	47179	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

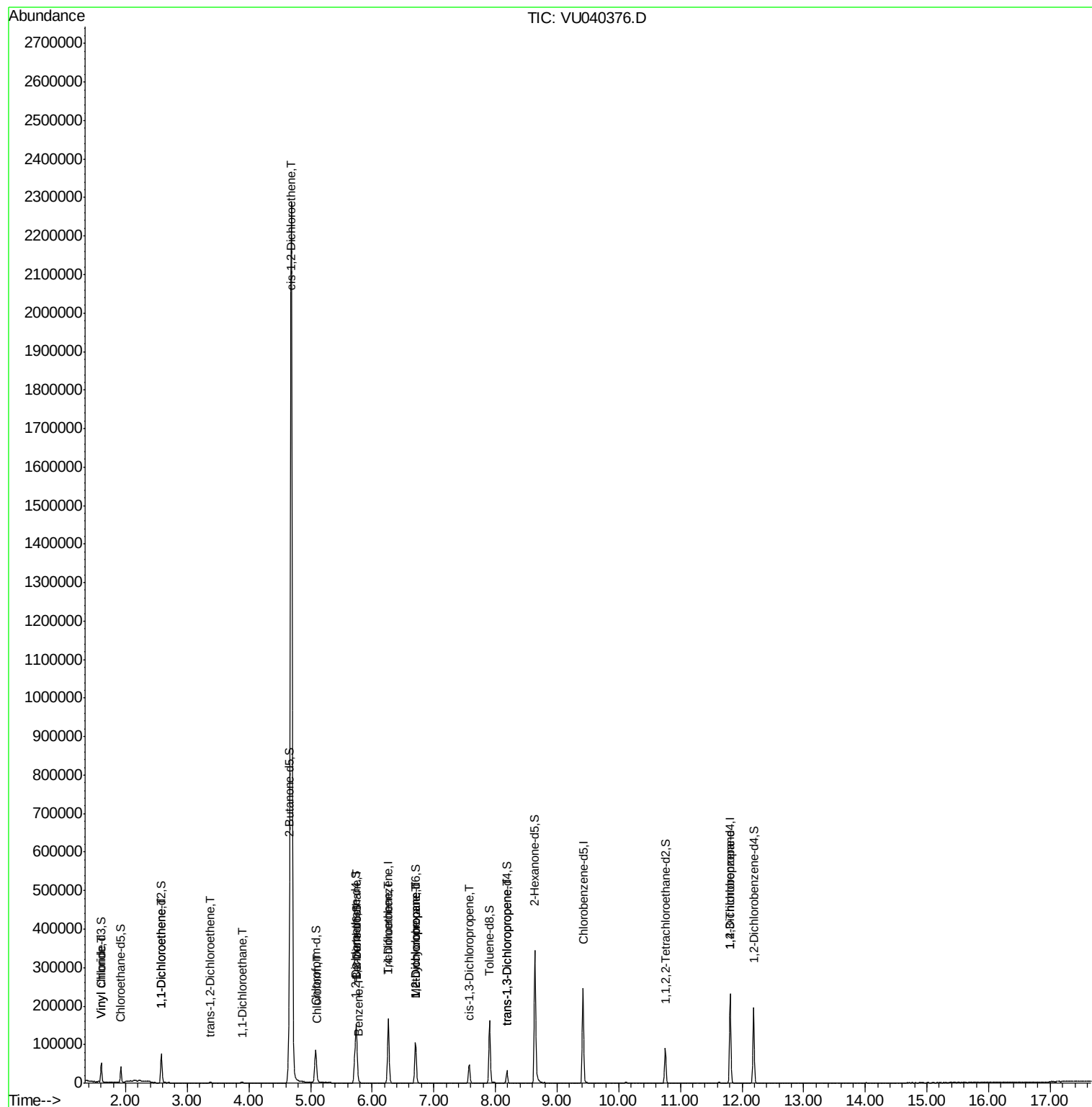
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	6116	0.507	ug/L	88
12) 1,1-Dichloroethene	2.58	96	675	0.071	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	928	0.094	ug/L	73
19) 1,1-Dichloroethane	3.89	63	2747	0.136	ug/L	92
22) cis-1,2-Dichloroethene	4.69	96	1087514	100.051	ug/L	100
25) Chloroform	5.11	83	1573	0.076	ug/L	92
27) 1,2-Dichloroethane	5.74	62	870	0.061	ug/L #	74
33) Benzene	5.79	78	1204	0.028	ug/L	100
34) Trichloroethene	6.26	95	2436	0.216	ug/L #	8
35) Methylcyclohexane	6.70	83	10708	0.646	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5255	0.443	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1259	0.079	ug/L	99
44) trans-1,3-Dichloropropene	8.19	75	891	0.061	ug/L #	82
59) 1,2,3-Trichloropropane	11.81	75	7943	0.924	ug/L	98

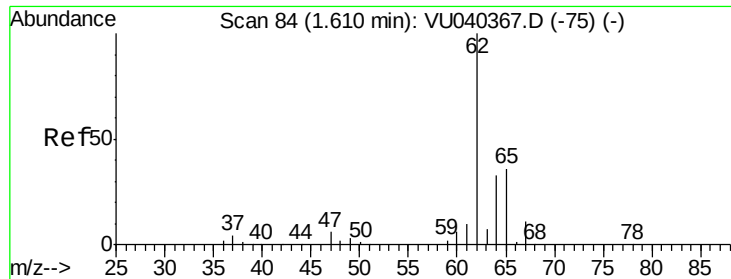
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 02:48:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.507 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040376.D

Acq: 29 Sep 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

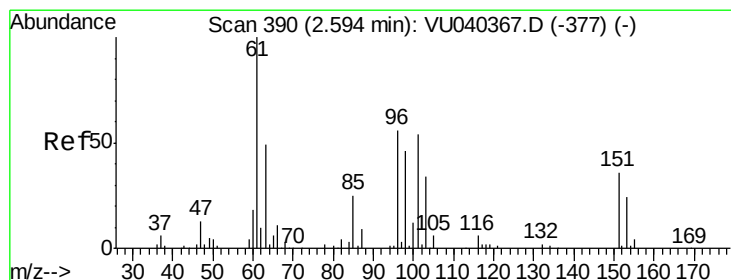
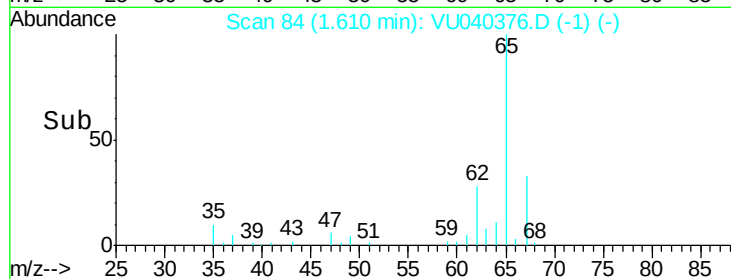
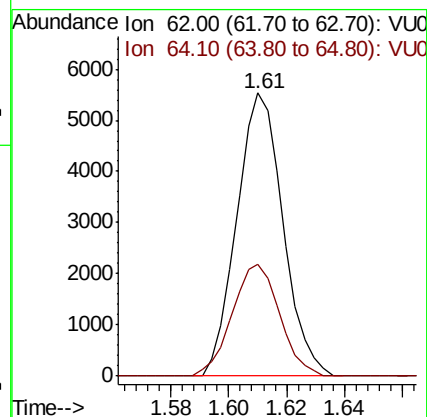
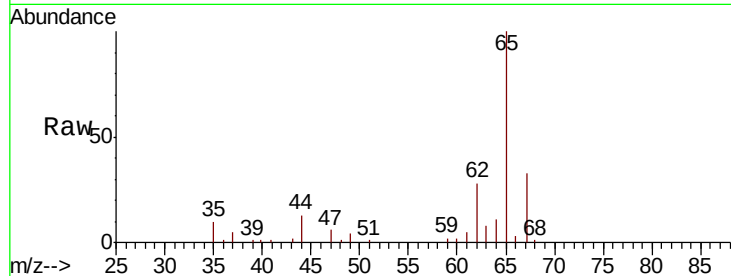
BG0E8

Tot Ion: 62 Resp: 6116

Ion Ratio Lower Upper

62 100

64 39.5 23.0 42.8



#12

1,1-Dichloroethene

Concen: 0.071 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040376.D

Acq: 29 Sep 2020 22:24

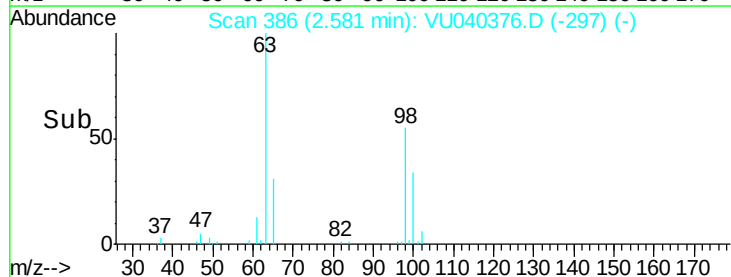
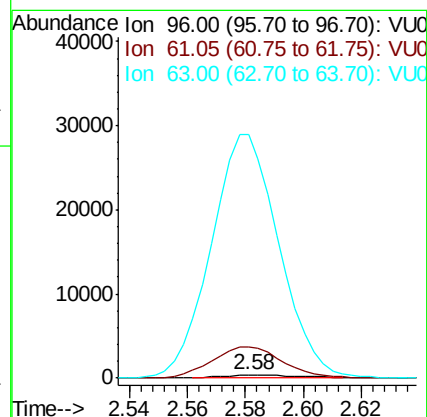
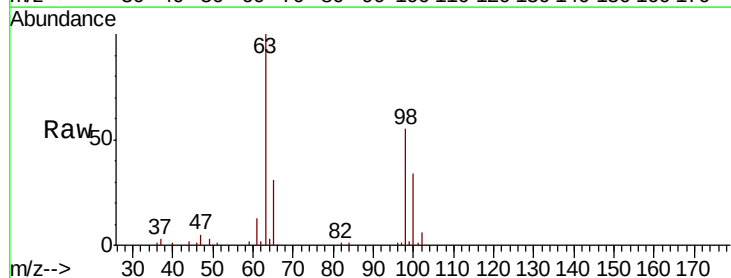
Tgt Ion: 96 Resp: 675

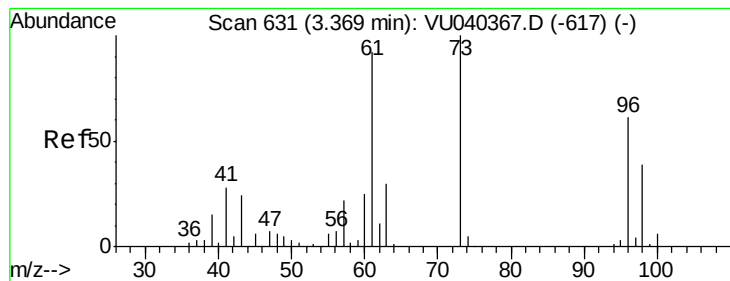
Ion Ratio Lower Upper

96 100

61 881.5 128.6 238.8#

63 6856.9 67.8 126.0#





#18

trans-1,2-Dichloroethene

Concen: 0.094 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040376.D

Acq: 29 Sep 2020 22:24

Instrument :

MSVOA_U

ClientSampleId :

BG0E8

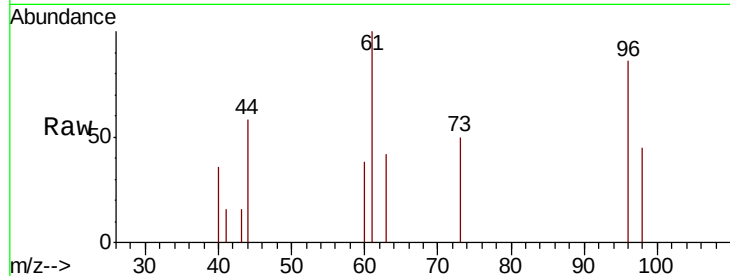
Tot Ion: 96 Resp: 928

Ion Ratio Lower Upper

96 100

61 115.8 109.3 203.1

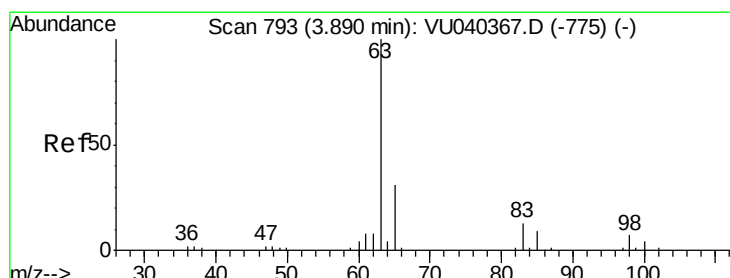
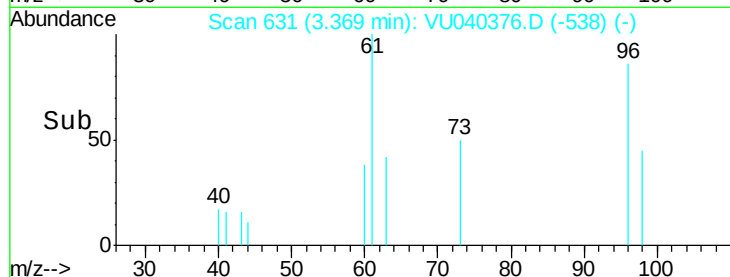
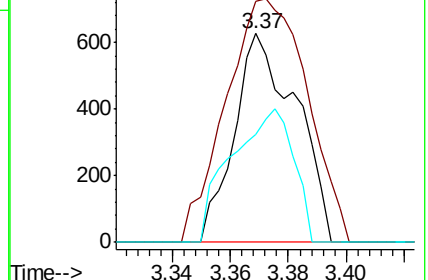
98 51.9 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VU040376.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040376.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040376.D (-538) (-)



#19

1,1-Dichloroethane

Concen: 0.136 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU040376.D

Acq: 29 Sep 2020 22:24

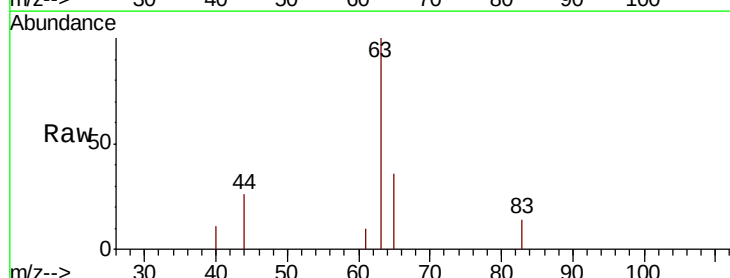
Tgt Ion: 63 Resp: 2747

Ion Ratio Lower Upper

63 100

65 36.5 21.7 40.3

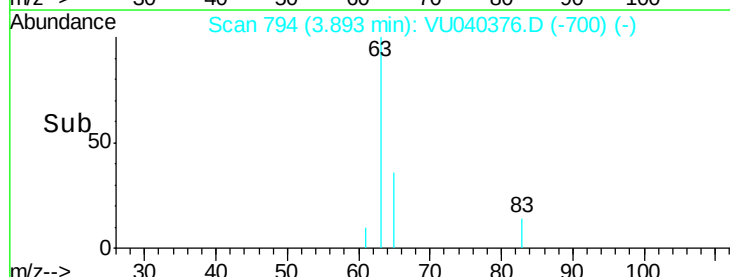
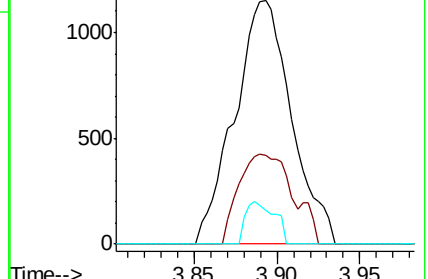
83 13.8 9.1 16.9

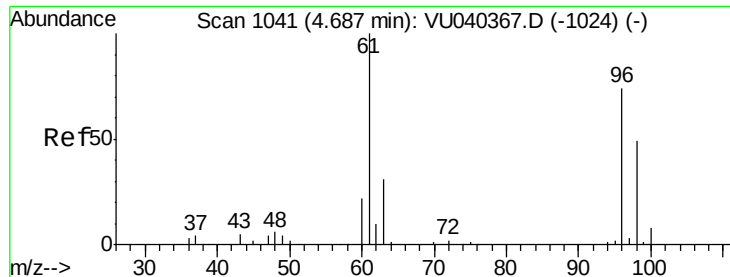


Abundance Ion 63.10 (62.80 to 63.80): VU040376.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040376.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040376.D (-700) (-)

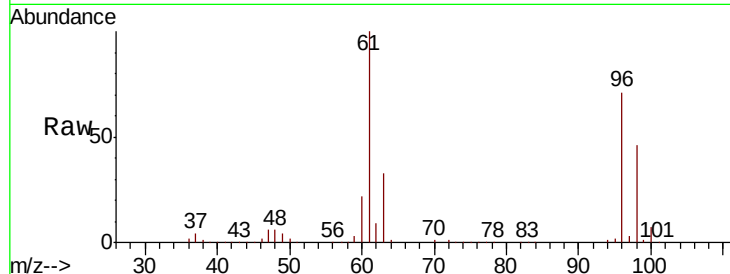




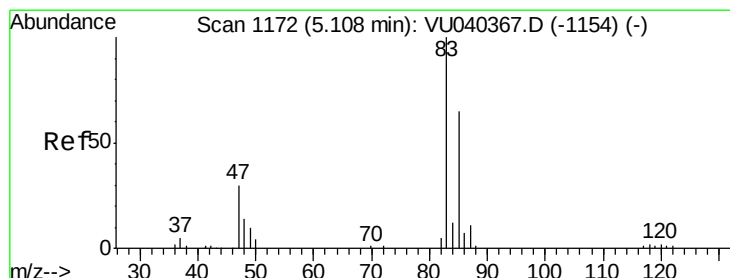
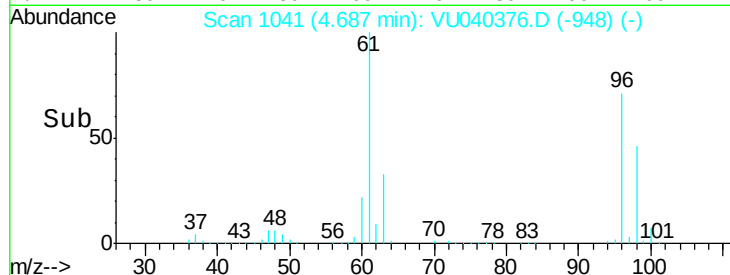
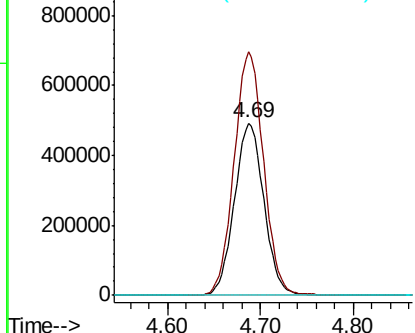
#22
 cis-1,2-Dichloroethene
 Concen: 100.051 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0E8

Tot Ion: 96 Resp: 1087514
 Ion Ratio Lower Upper
 96 100
 61 141.3 99.3 184.5
 68 0.0 0.0 0.0

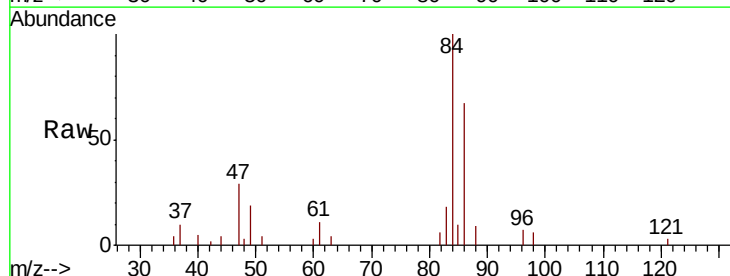


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

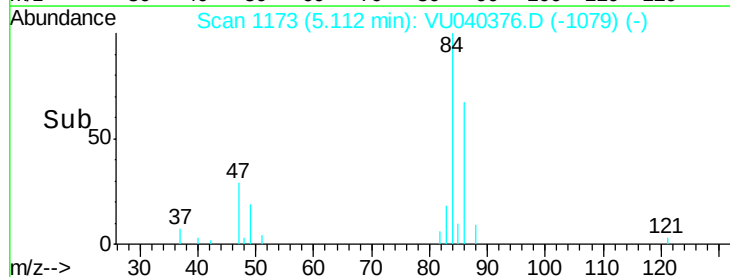
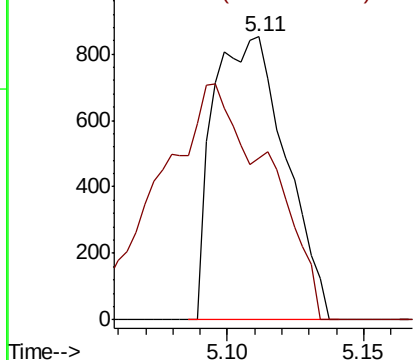


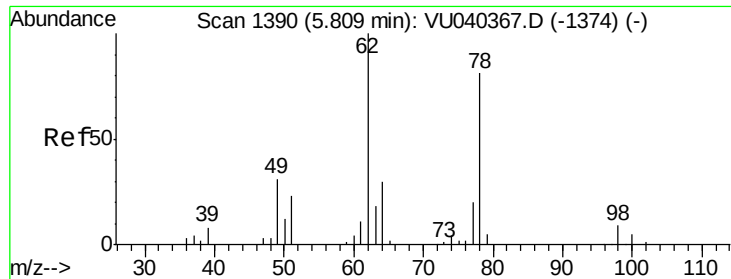
#25
 Chloroform
 Concen: 0.076 ug/L
 RT: 5.11 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

Tgt Ion: 83 Resp: 1573
 Ion Ratio Lower Upper
 83 100
 85 57.2 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

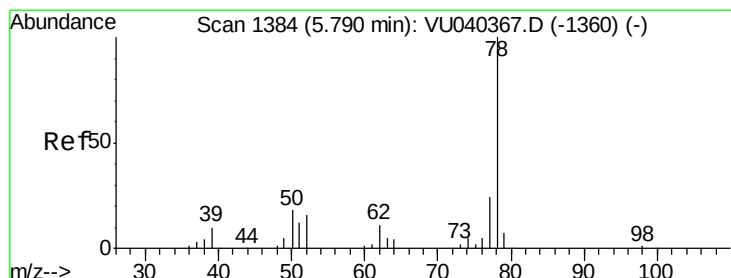
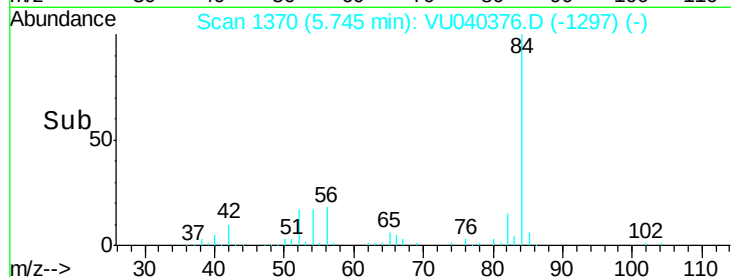
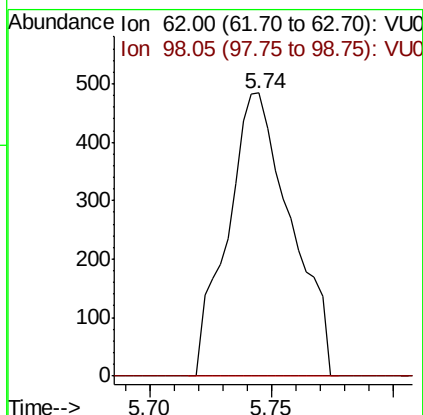
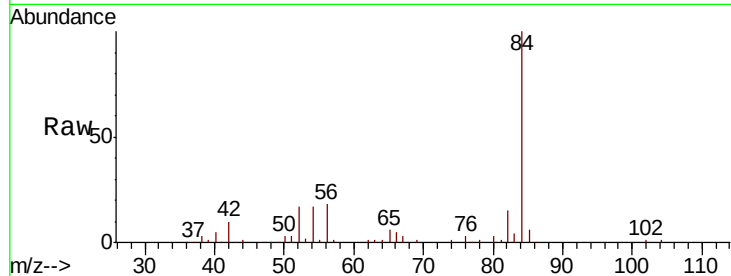




#27
 1,2-Dichloroethane
 Concen: 0.061 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

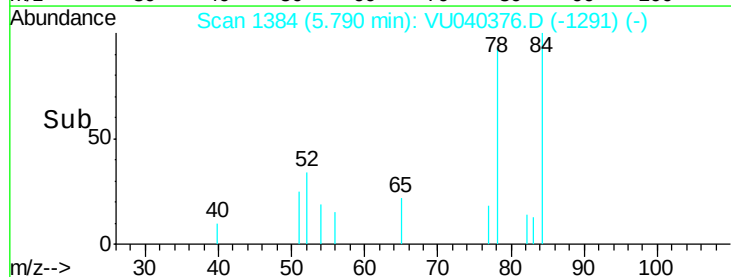
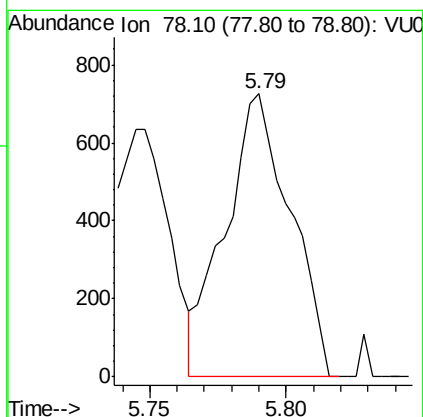
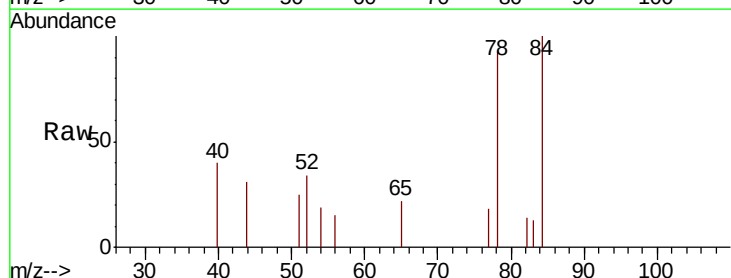
Instrument :
 MSVOA_U
 ClientSampleId :
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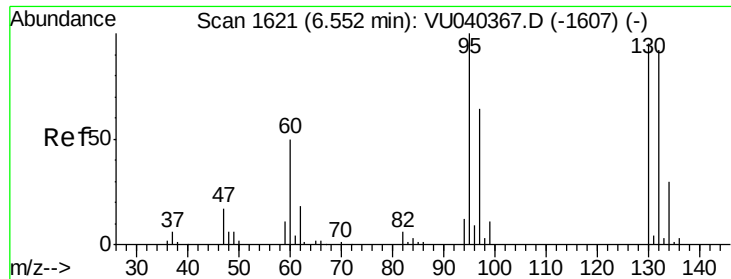
Tot Ion: 62 Resp: 870
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#33
 Benzene
 Concen: 0.028 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

Tgt Ion: 78 Resp: 1204

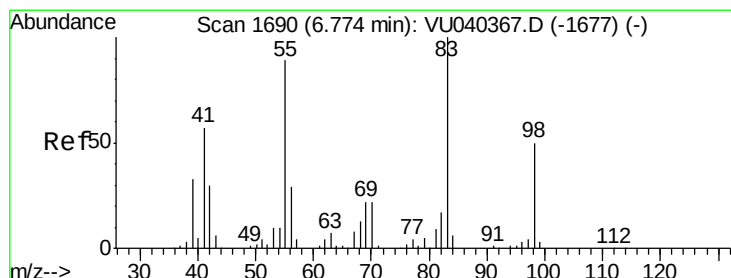
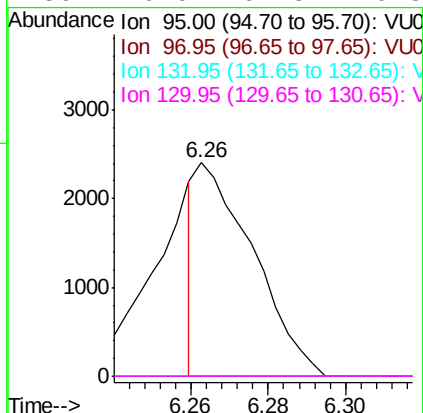
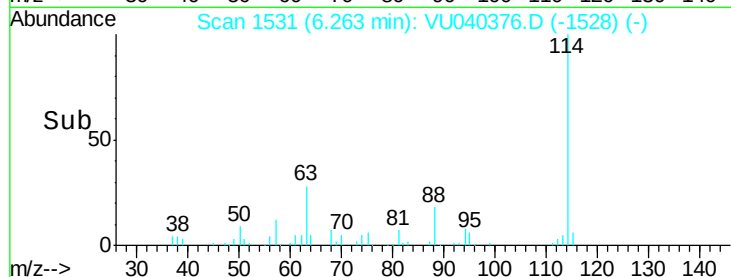
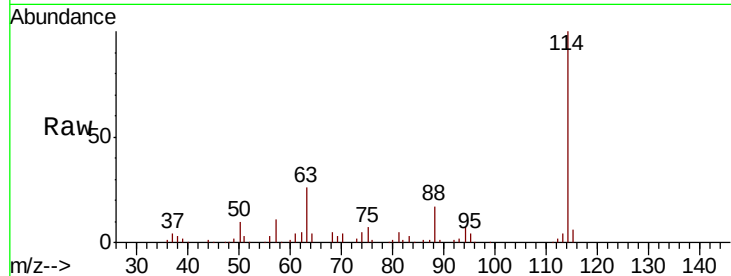




#34
 Trichloroethene
 Concen: 0.216 ug/L
 RT: 6.26 min Scan# 1531
 Delta R.T. -0.29 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

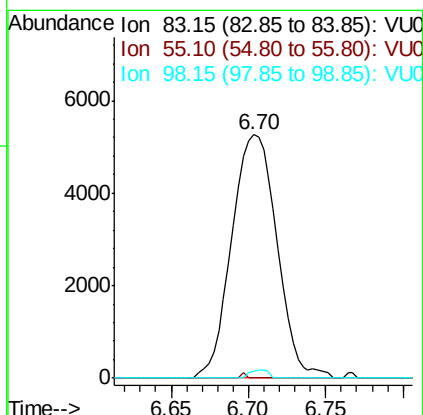
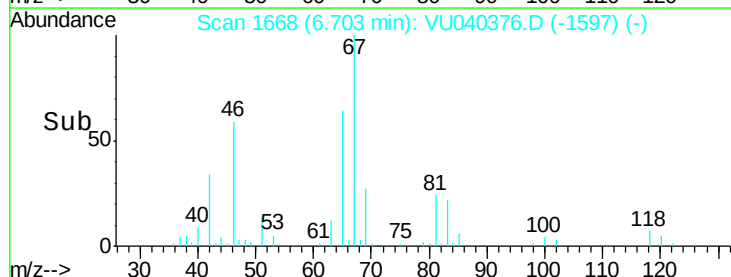
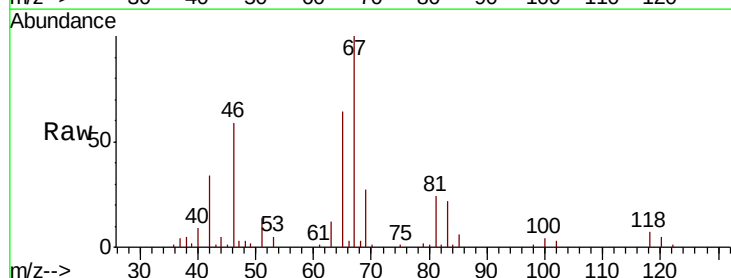
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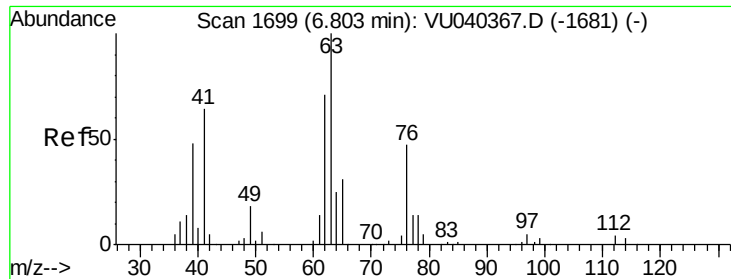
Tot Ion: 95 Resp: 2436
 Ion Ratio Lower Upper
 95 100
 97 0.0 46.3 85.9#
 132 0.0 60.5 112.3#
 130 0.0 64.3 119.3#



#35
 Methylcyclohexane
 Concen: 0.646 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.07 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

Tgt Ion: 83 Resp: 10708
 Ion Ratio Lower Upper
 83 100
 55 0.2 71.4 107.2#
 98 1.4 38.5 57.7#

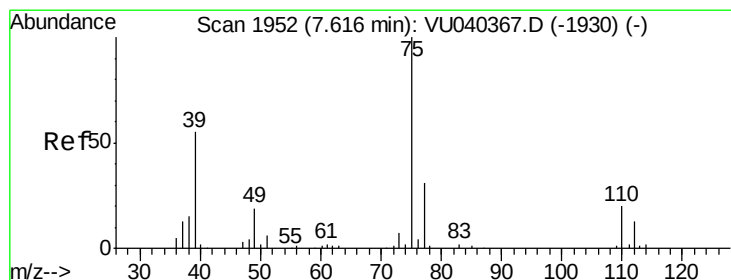
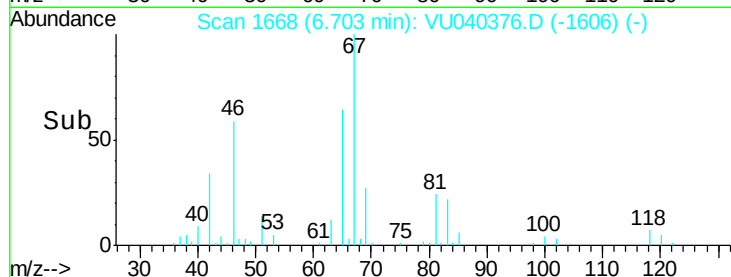
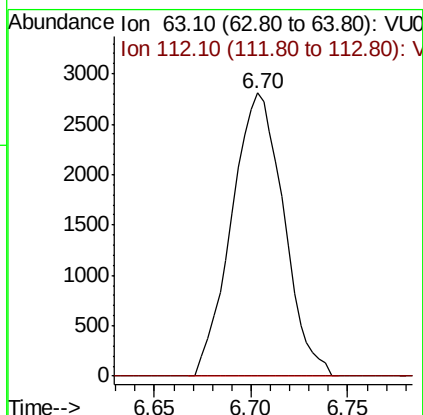
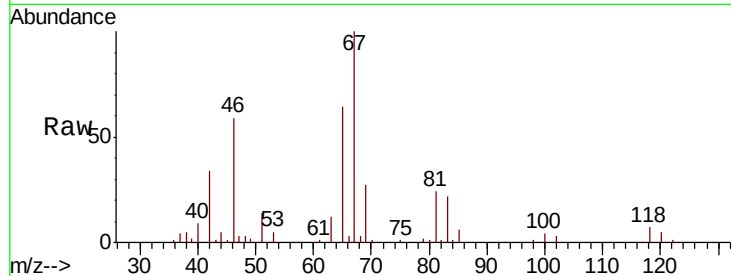




#37
 1,2-Dichloropropane
 Concen: 0.443 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

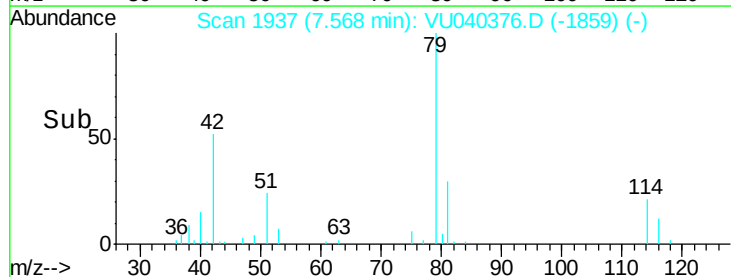
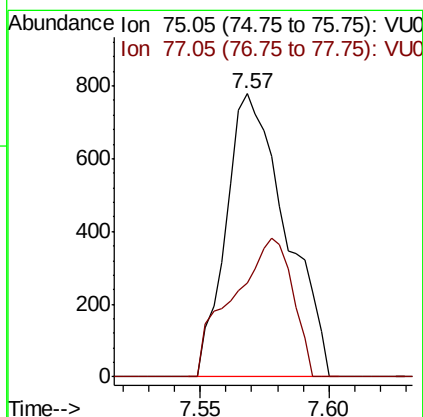
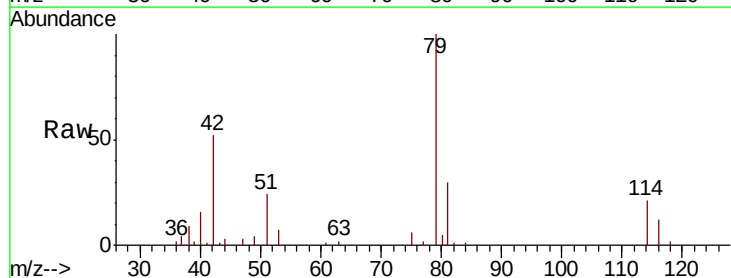
Instrument :
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 BG0E8

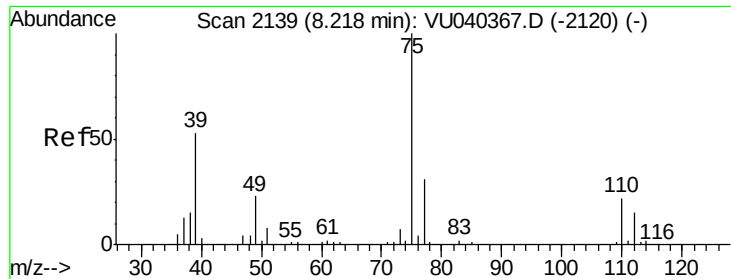
Tot Ion: 63 Resp: 5255
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040376.D
 Acq: 29 Sep 2020 22:24

Tgt Ion: 75 Resp: 1259
 Ion Ratio Lower Upper
 75 100
 77 33.0 23.5 43.7





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040376.D

Acq: 29 Sep 2020 22:24

Instrument :

MSVOA_U

ClientSampled :

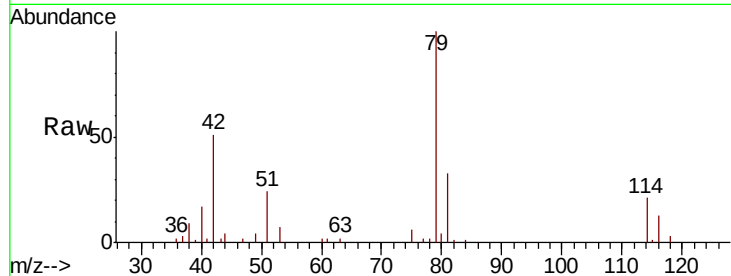
BG0E8

Tot Ion: 75 Resp: 891

Ion Ratio Lower Upper

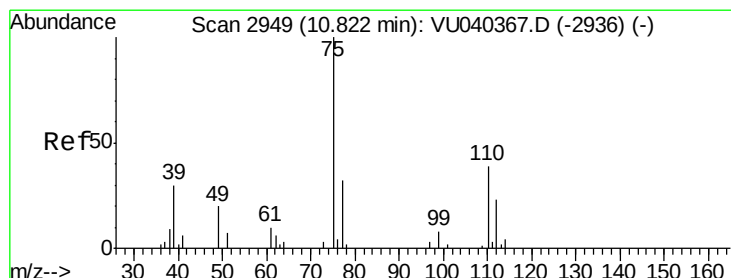
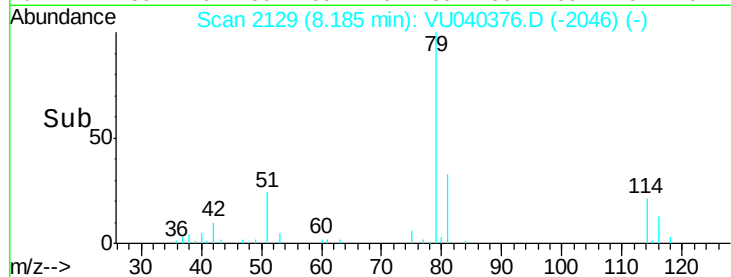
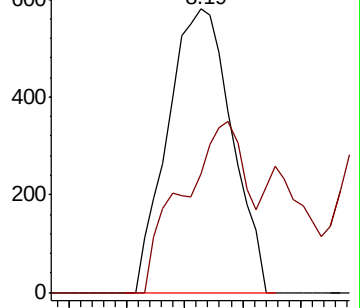
75 100

77 41.7 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#59

1,2,3-Trichloropropane

Concen: 0.924 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040376.D

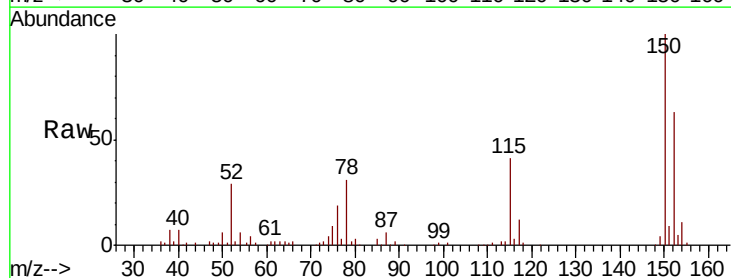
Acq: 29 Sep 2020 22:24

Tgt Ion: 75 Resp: 7943

Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

