

Data File : VU033283.D
Acq On : 17 Jul 2019 12:02
Operator : JC/SP
Sample : K3772-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52L0

Quant Time: Jul 18 08:04:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	126203	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	131504	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	57067	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	53065	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.67	69	46863	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.26	63	96421	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	4.17	46	93533	39.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.10%
24) Chloroform-d	4.62	84	77428	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.29	65	46815	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.32	84	171599	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
36) 1,2-Dichloropropane-d6	6.31	67	56319	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.55	98	145793	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.83	79	21504	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.30	63	81675	42.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.16%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	44731	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	56250	5.06	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.20%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	94615	6.964 ug/L	100
12) 1,1-Dichloroethene	2.27	96	19771	1.907 ug/L #	37
13) Acetone	2.31	43	8451	4.030 ug/L	87
18) trans-1,2-Dichloroethene	2.96	96	3610	0.315 ug/L	91
19) 1,1-Dichloroethane	3.42	63	21287	1.237 ug/L	96
22) cis-1,2-Dichloroethene	4.20	96	3688877	381.102 ug/L	92
25) Chloroform	4.65	83	11746	0.616 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	24799	1.633 ug/L	95
31) Carbon tetrachloride	4.89	117	3099	0.233 ug/L	98
34) Trichloroethene	6.17	95	9718	0.986 ug/L	97
35) Methylcyclohexane	6.31	83	12613	0.849 ug/L #	19
37) 1,2-Dichloropropane	6.31	63	6332	0.629 ug/L #	88
44) trans-1,3-Dichloropropene	7.83	75	1024	0.088 ug/L	93
59) 1,2,3-Trichloropropane	11.47	75	7748	1.180 ug/L	97
65) 1,2-Dichlorobenzene	11.86	146	3017	0.178 ug/L #	85
66) 1,2-Dibromo-3-chloropropan	12.62	75	2442	1.906 ug/L #	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071719\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

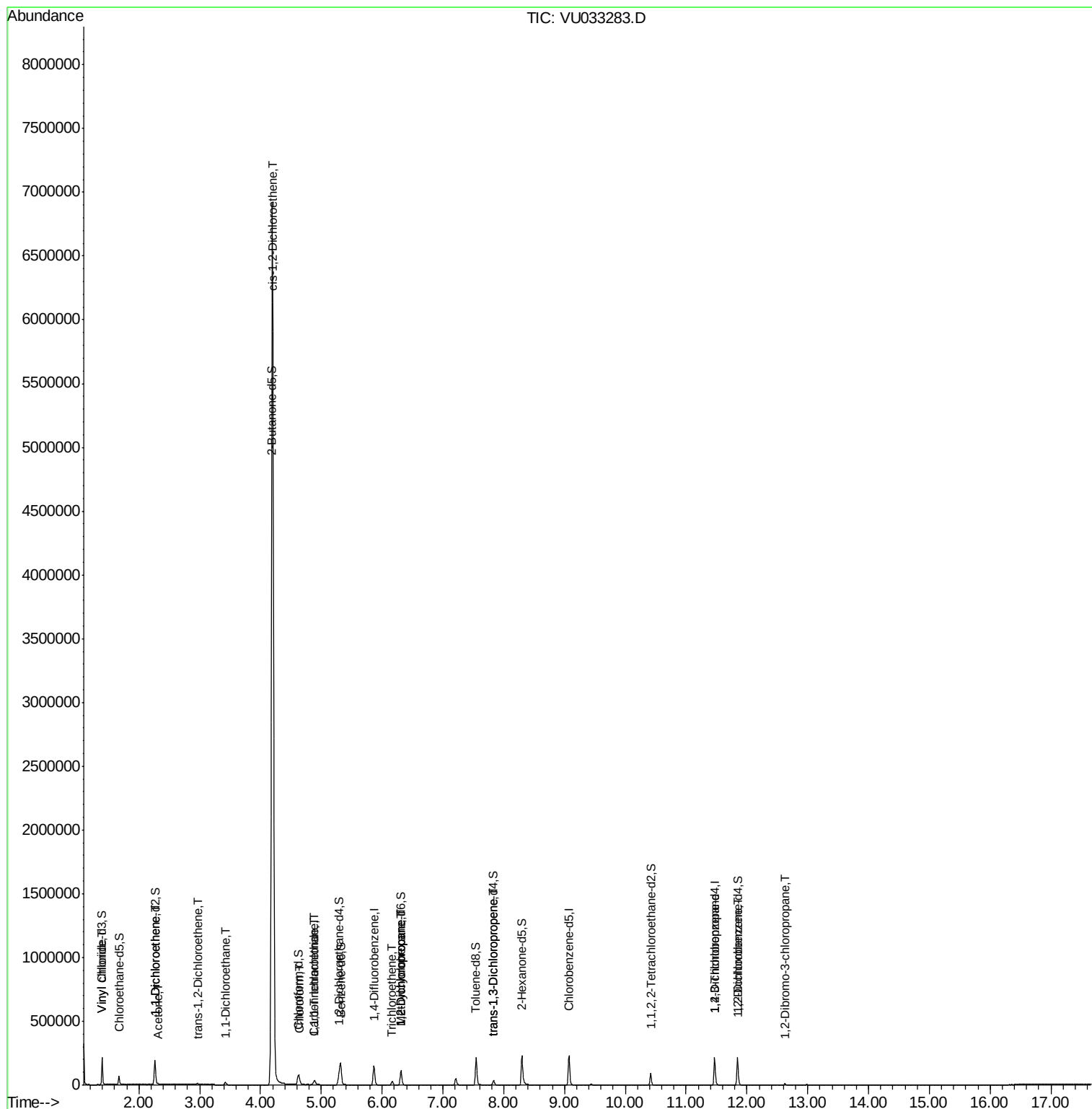
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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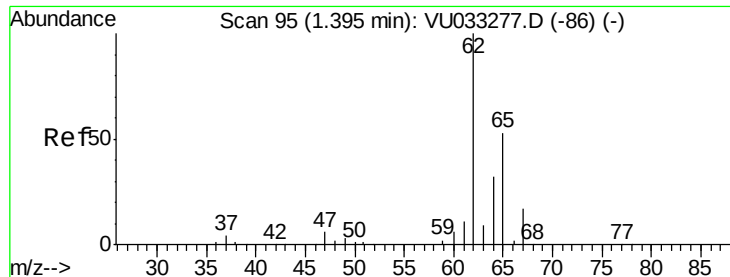
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.964 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

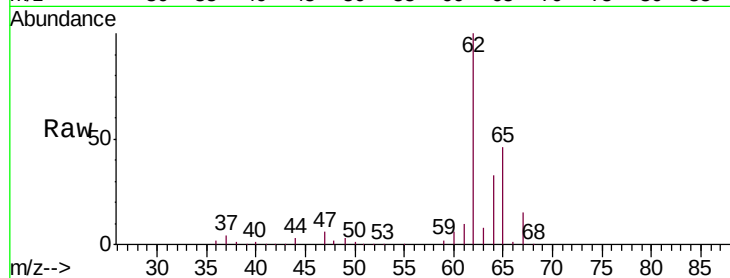
A52L0

Tgt Ion: 62 Resp: 94615

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

80000

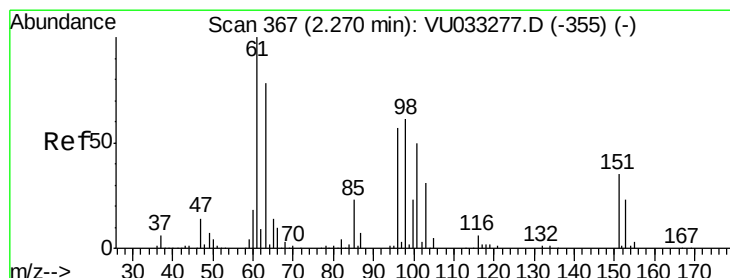
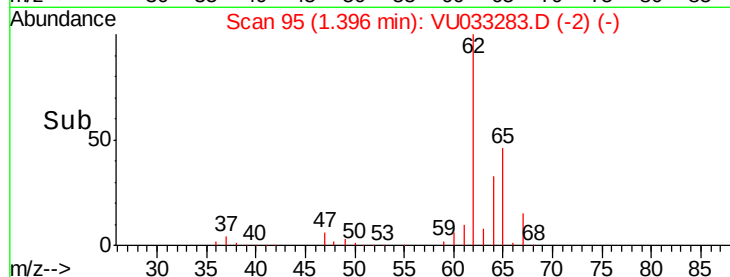
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.907 ug/L

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

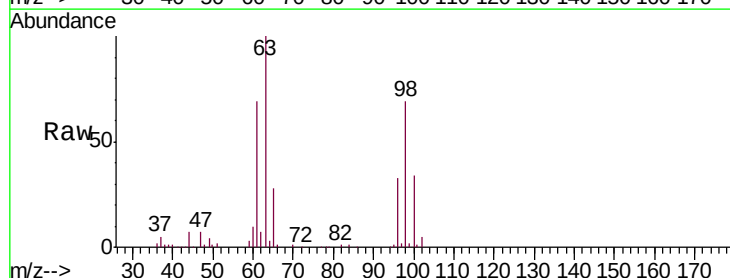
Tgt Ion: 96 Resp: 19771

Ion Ratio Lower Upper

96 100

61 209.8 129.3 240.1

63 306.3 108.9 202.3#



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

80000

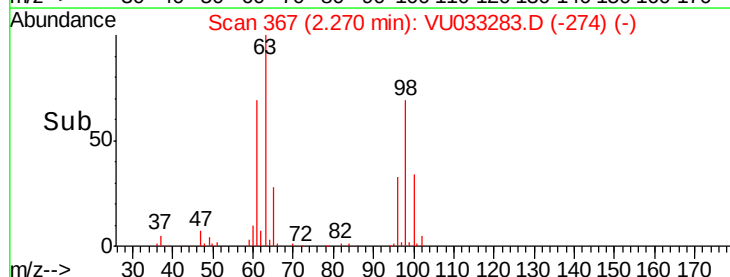
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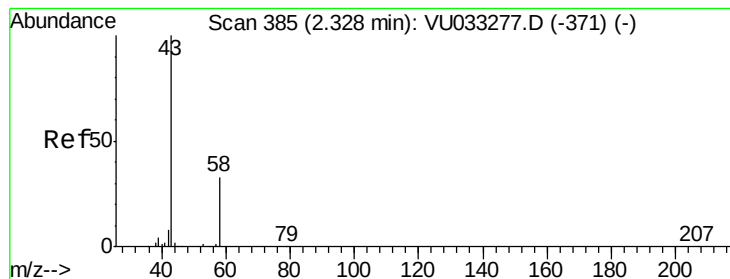
40000

20000

0

Time-->





#13

Acetone

Concen: 4.030 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Instrument :

MSVOA_U

ClientSampled :

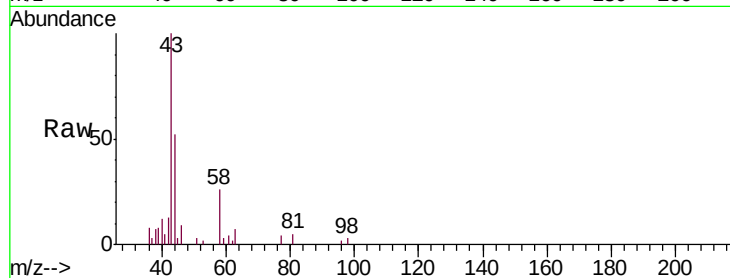
A52L0

Tgt Ion: 43 Resp: 8451

Ion Ratio Lower Upper

43 100

58 26.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033277.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU033277.D (-371) (-)

2.31

5000

4000

3000

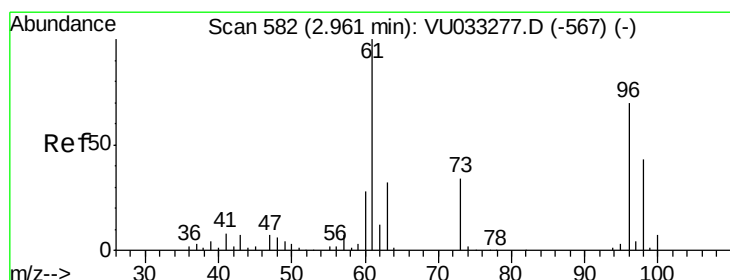
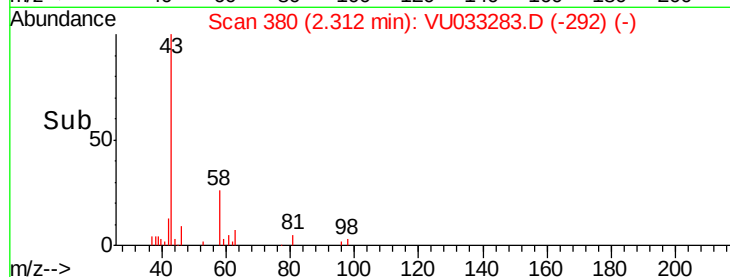
2000

1000

0

2.25 2.30 2.35

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.315 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

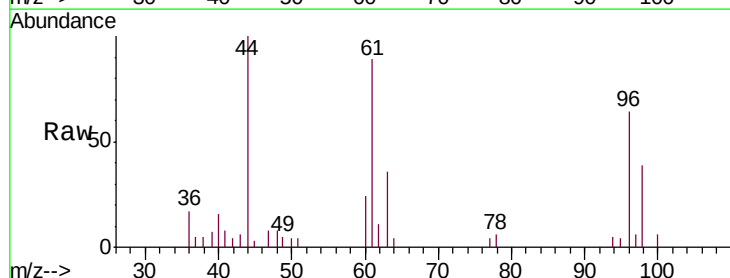
Tgt Ion: 96 Resp: 3610

Ion Ratio Lower Upper

96 100

61 138.9 107.1 198.9

98 60.7 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033277.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033277.D (-567) (-)

2.96

3000

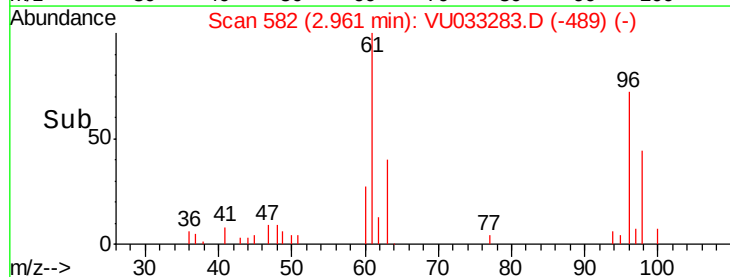
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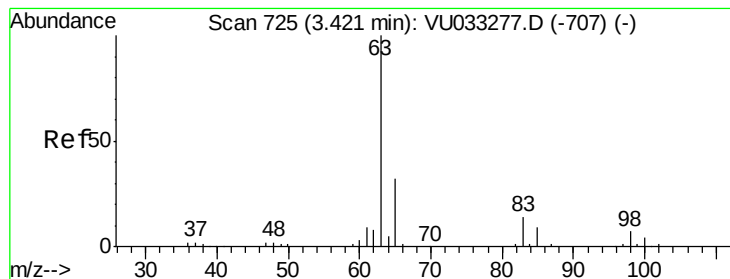
1000

0

2.90 2.95 3.00

Time-->





#19

1,1-Dichloroethane

Concen: 1.237 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

A52L0

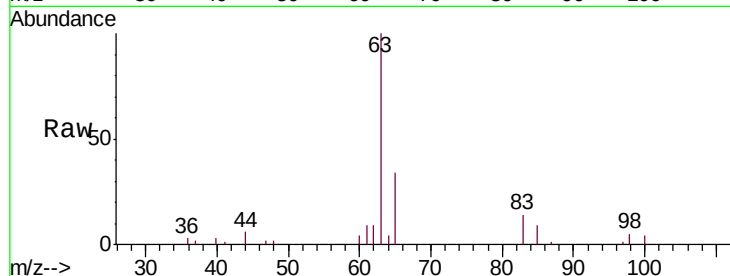
Tgt Ion: 63 Resp: 21287

Ion Ratio Lower Upper

63 100

65 33.6 21.7 40.3

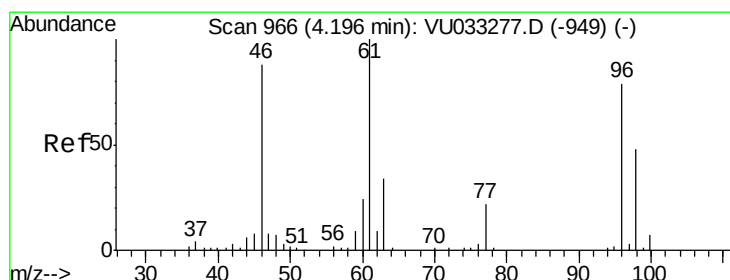
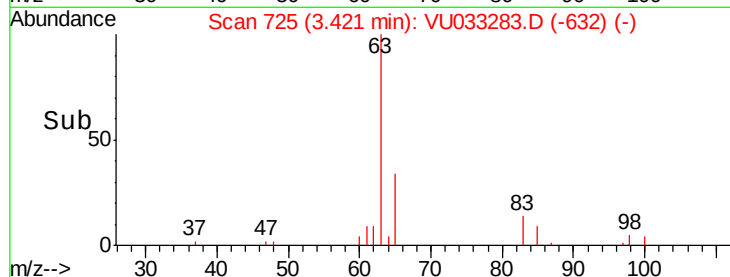
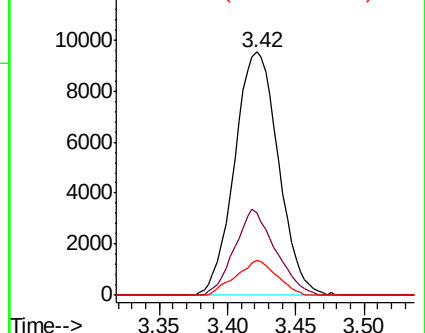
83 14.3 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU033277.D (-707) (-)

Ion 65.10 (64.80 to 65.80): VU033277.D (-707) (-)

Ion 83.05 (82.75 to 83.75): VU033277.D (-707) (-)



#22

cis-1,2-Dichloroethene

Concen: 381.102 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

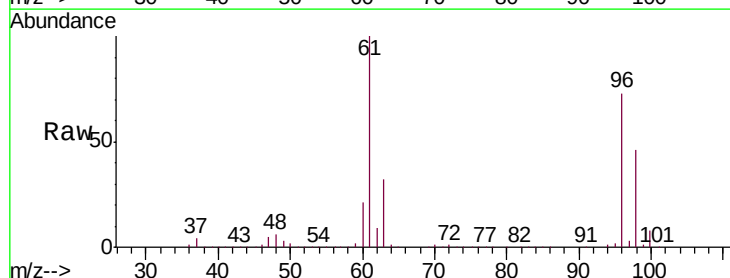
Tgt Ion: 96 Resp: 3688877

Ion Ratio Lower Upper

96 100

61 136.3 89.2 165.6

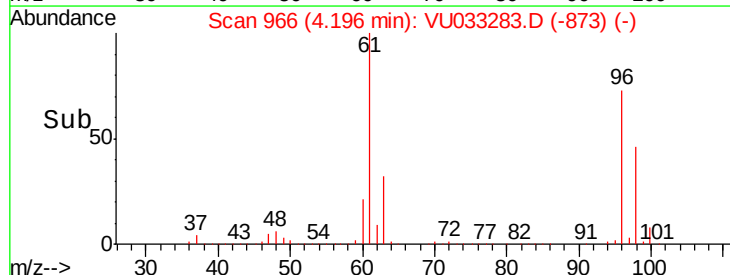
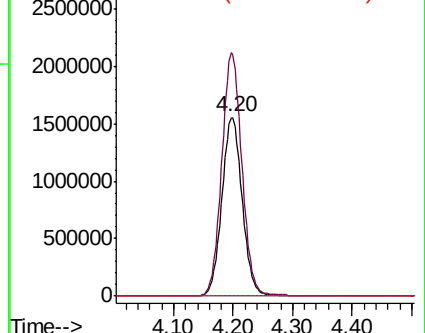
68 0.0 0.0 0.0

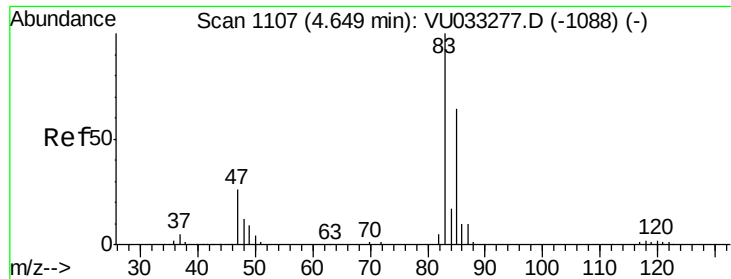


Abundance Ion 96.00 (95.70 to 96.70): VU033277.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU033277.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU033277.D (-949) (-)

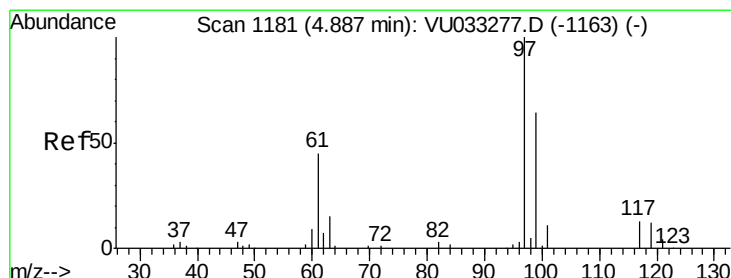
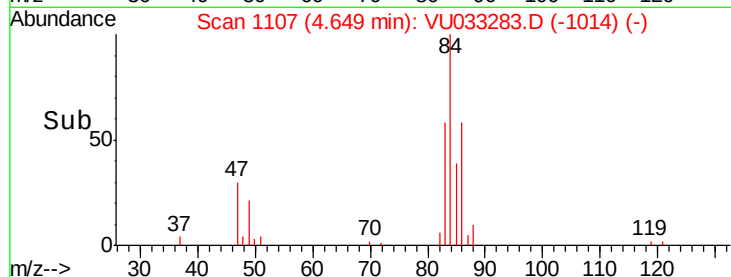
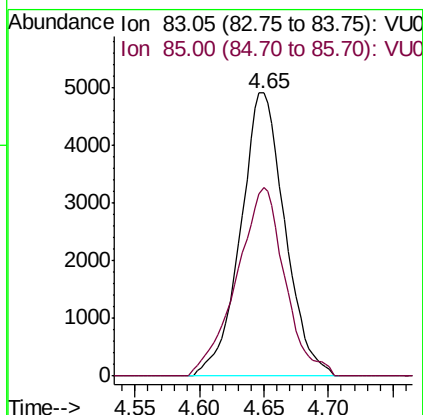
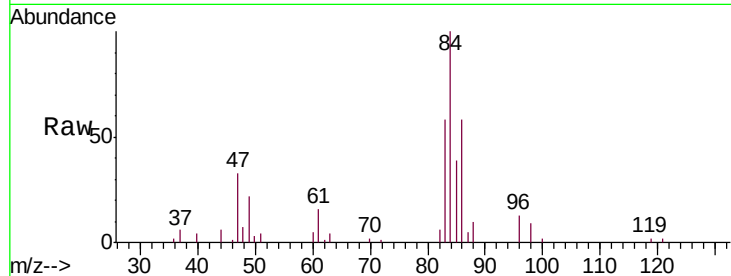




#25
Chloroform
Concen: 0.616 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033283.D
Acq: 17 Jul 2019 12:02

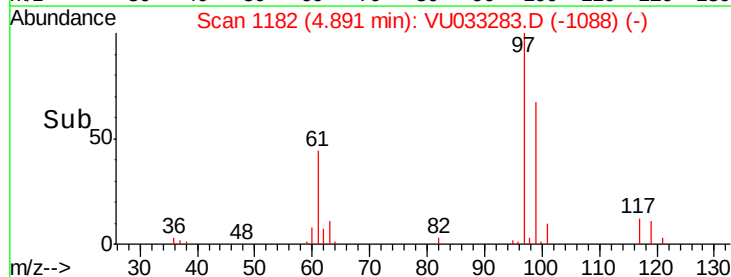
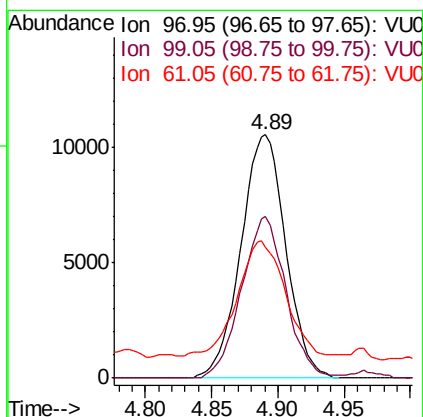
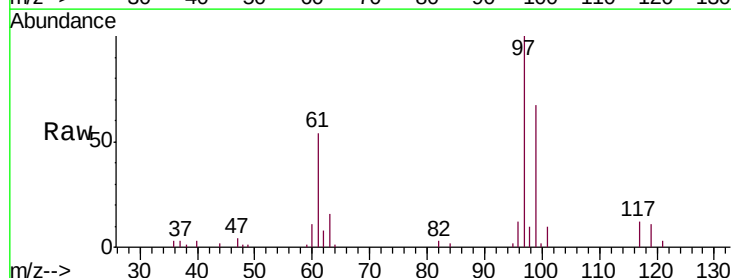
Instrument :
MSVOA_U
ClientSampled :
A52L0

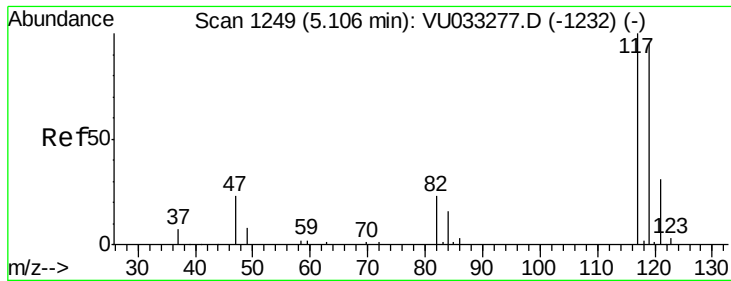
Tgt Ion: 83 Resp: 11746
Ion Ratio Lower Upper
83 100
85 66.8 45.4 84.4



#29
1,1,1-Trichloroethane
Concen: 1.633 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033283.D
Acq: 17 Jul 2019 12:02

Tgt Ion: 97 Resp: 24799
Ion Ratio Lower Upper
97 100
99 65.5 51.6 77.4
61 52.3 36.2 54.4





#31

Carbon tetrachloride

Concen: 0.233 ug/L

RT: 4.89 min Scan# 1183

Delta R.T. -0.21 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Instrument :

MSVOA_U

ClientSampled :

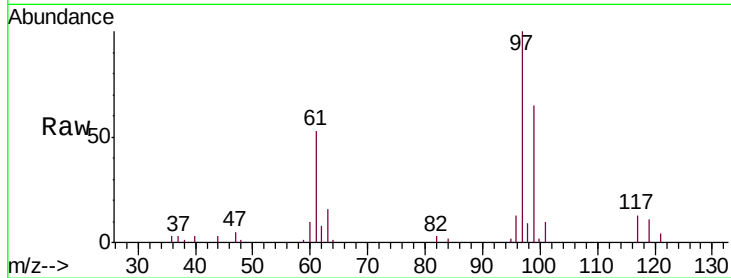
A52L0

Tgt Ion: 117 Resp: 3099

Ion Ratio Lower Upper

117 100

119 95.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.89

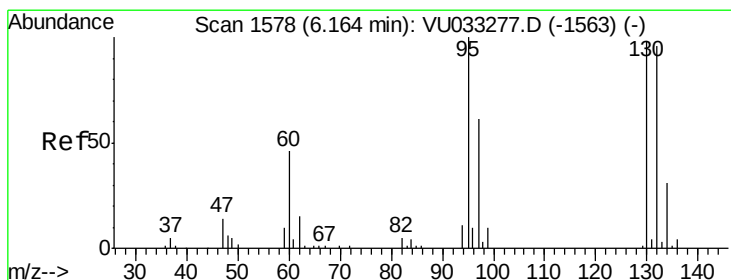
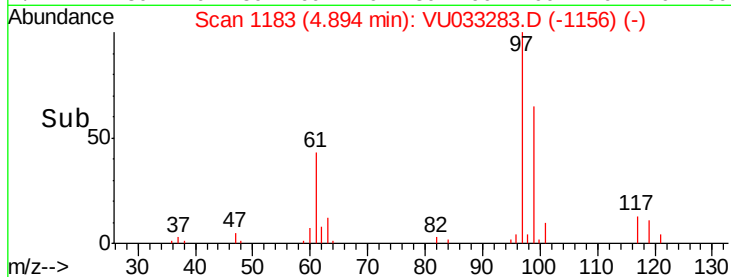
1500

1000

500

0

Time-->



#34

Trichloroethene

Concen: 0.986 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Tgt Ion: 95 Resp: 9718

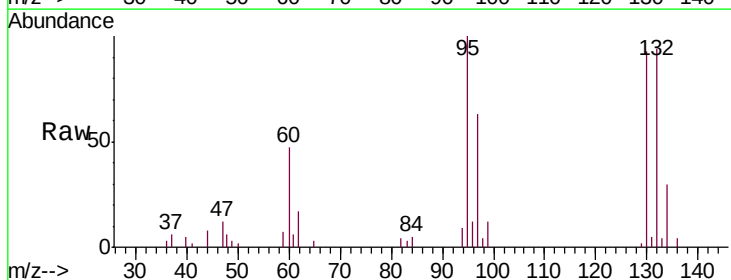
Ion Ratio Lower Upper

95 100

97 62.9 44.5 82.7

132 94.0 66.6 123.8

130 92.6 68.9 127.9



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

8000

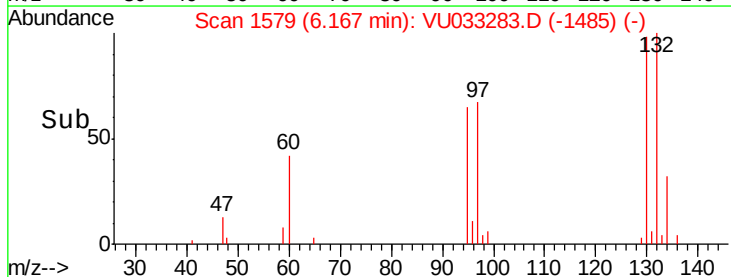
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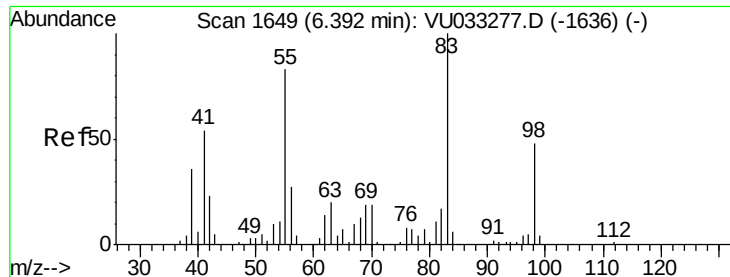
4000

2000

0

Time-->

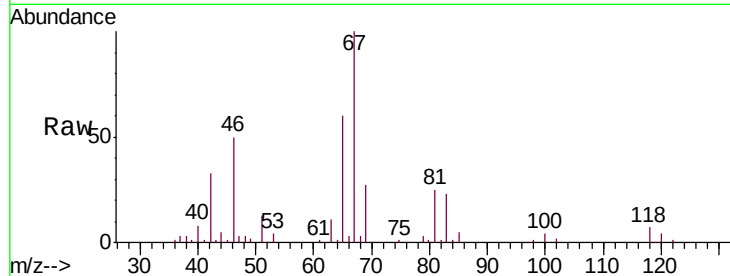




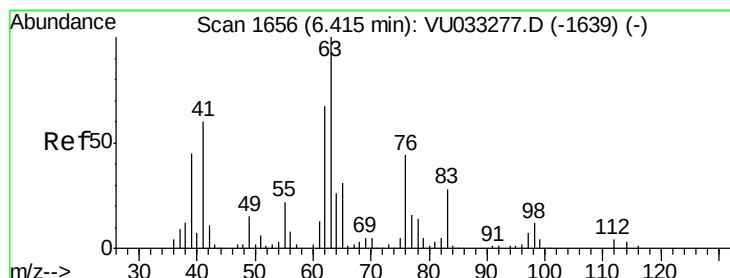
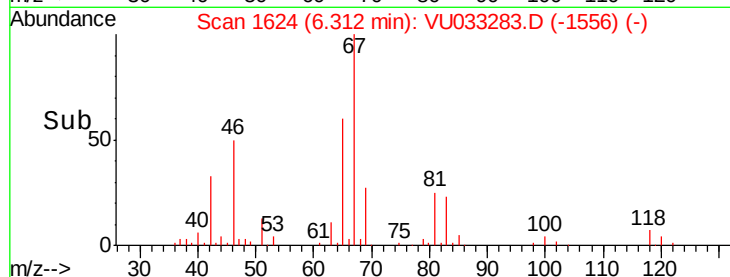
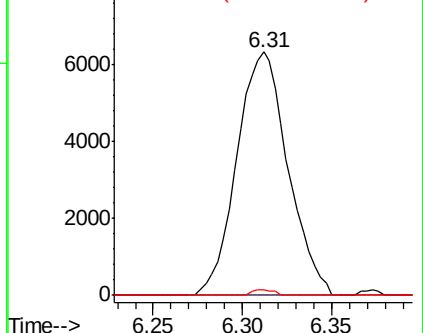
#35
Methylcyclohexane
Concen: 0.849 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.08 min
Lab File: VU033283.D
Acq: 17 Jul 2019 12:02

Instrument :
MSVOA_U
ClientSampleId :
A52L0

Tgt Ion: 83 Resp: 12613
Ion Ratio Lower Upper
83 100
55 0.3 62.6 94.0#
98 1.0 36.2 54.2#

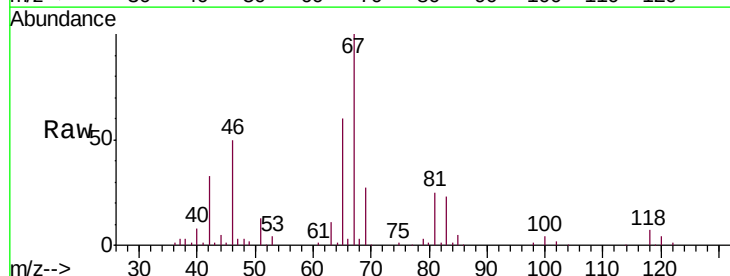


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

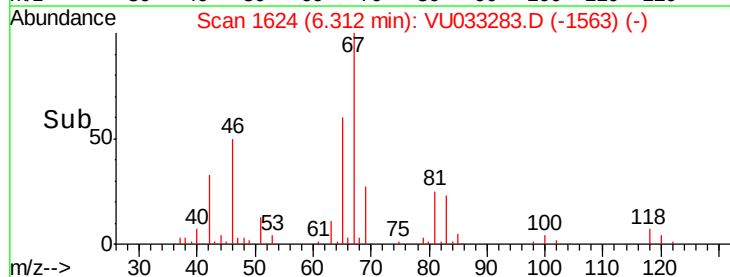
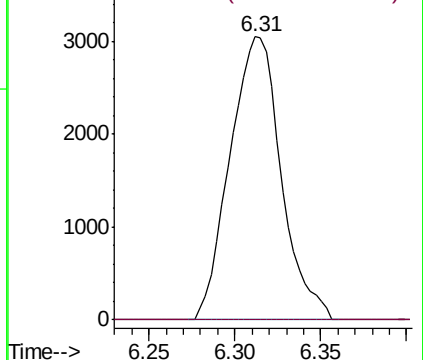


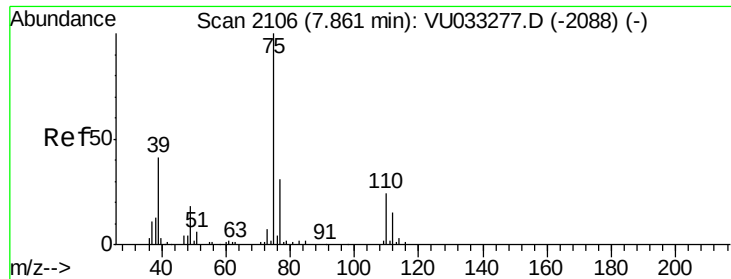
#37
1,2-Dichloropropane
Concen: 0.629 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU033283.D
Acq: 17 Jul 2019 12:02

Tgt Ion: 63 Resp: 6332
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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





#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033283.D

Acq: 17 Jul 2019 12:02

Instrument :

MSVOA_U

ClientSampleId :

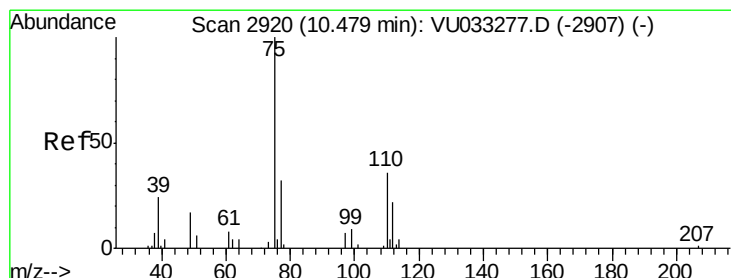
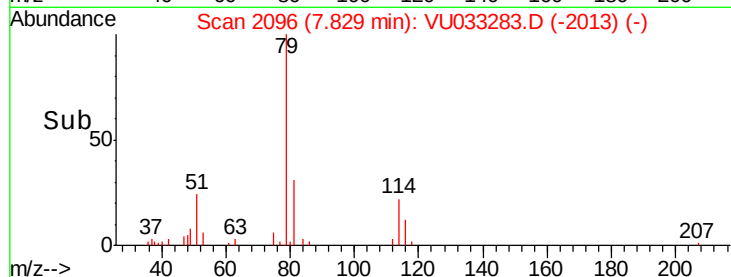
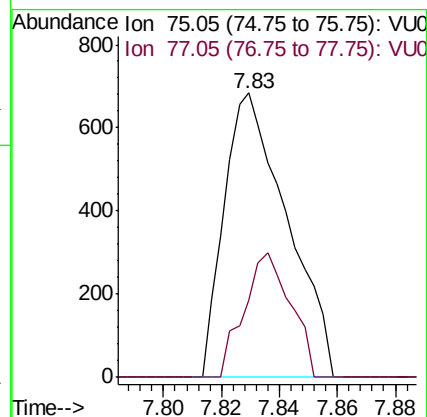
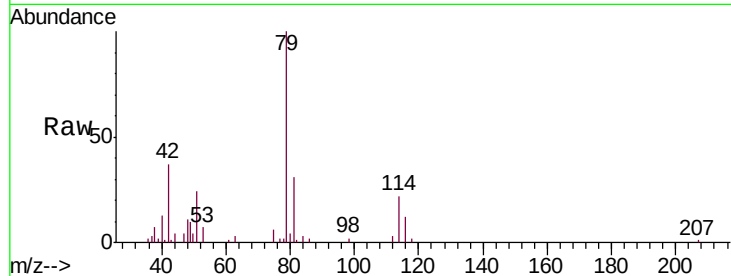
A52L0

Tgt Ion: 75 Resp: 1024

Ion Ratio Lower Upper

75 100

77 26.8 21.6 40.0



#59

1,2,3-Trichloropropane

Concen: 1.180 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033283.D

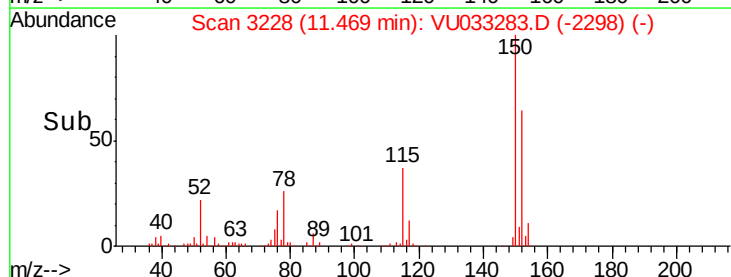
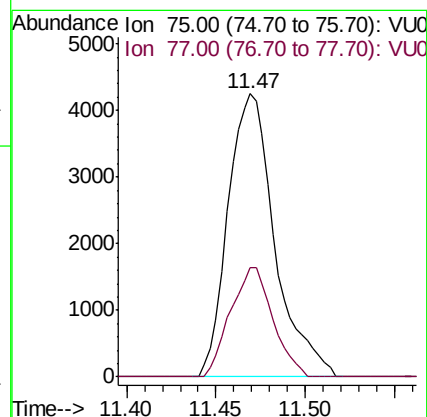
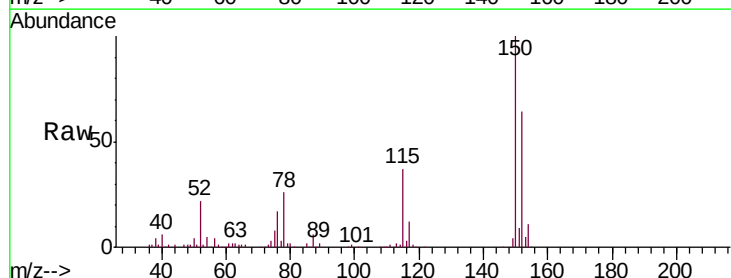
Acq: 17 Jul 2019 12:02

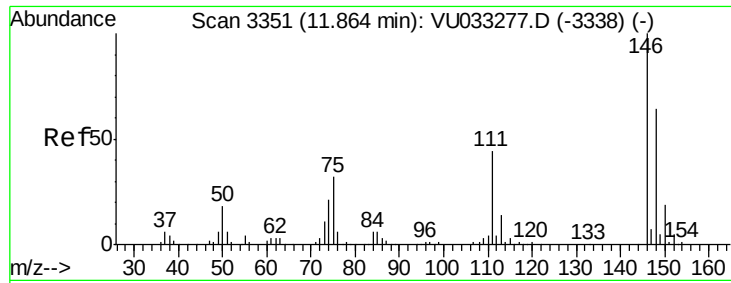
Tgt Ion: 75 Resp: 7748

Ion Ratio Lower Upper

75 100

77 35.0 26.5 39.7

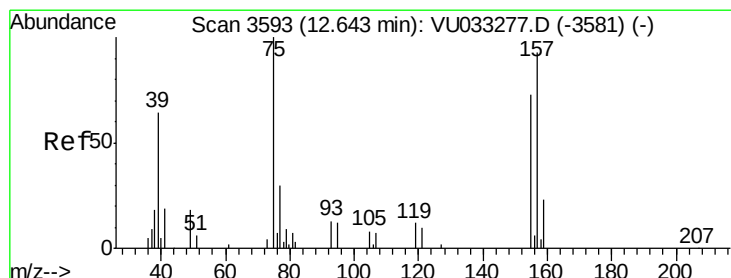
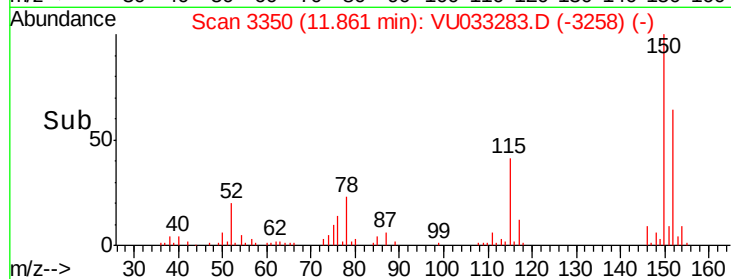
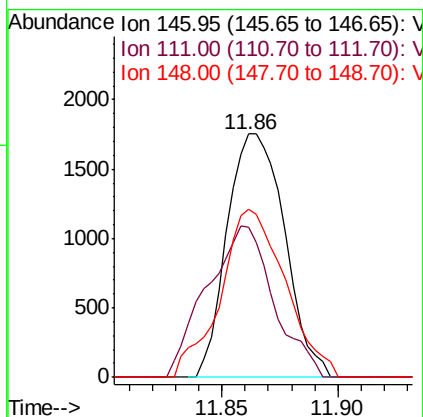
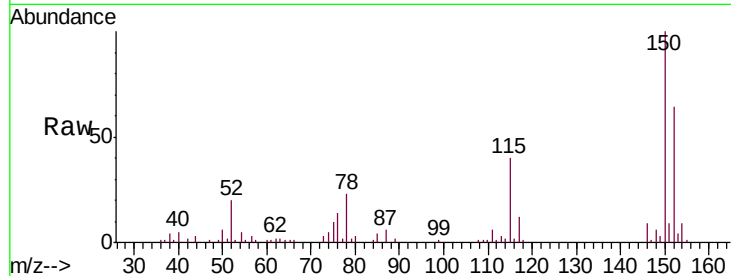




#65
 1,2-Dichlorobenzene
 Concen: 0.178 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. -0.00 min
 Lab File: VU033283.D
 Acq: 17 Jul 2019 12:02

Instrument :
 MSVOA_U
 ClientSampleId :
 A52L0

Tgt Ion: 146 Resp: 3017
 Ion Ratio Lower Upper
 146 100
 111 61.9 34.2 51.4#
 148 69.3 52.0 78.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.906 ug/L
 RT: 12.62 min Scan# 3587
 Delta R.T. -0.02 min
 Lab File: VU033283.D
 Acq: 17 Jul 2019 12:02

Tgt Ion: 75 Resp: 2442
 Ion Ratio Lower Upper
 75 100
 155 0.0 67.1 100.7#
 157 0.0 83.7 125.5#

