

Data File : VU033521.D
Acq On : 31 Jul 2019 13:25
Operator : JC/SP
Sample : K4103-05MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB9D8MS

Quant Time: Aug 01 07:24:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM073119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 01 07:20:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	289118	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	283657	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	129315	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115545	54.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.94%
7) Chloroethane-d5	1.67	69	121078	67.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	134.26%#
11) 1,1-Dichloroethene-d2	2.26	63	207961	54.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	109.02%
21) 2-Butanone-d5	4.15	46	169700	121.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.89%
24) Chloroform-d	4.62	84	205198	58.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.48%
26) 1,2-Dichloroethane-d4	5.29	65	134241	60.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	120.32%
32) Benzene-d6	5.32	84	417351	59.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.70%
36) 1,2-Dichloropropane-d6	6.31	67	133630	60.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	121.24%#
41) Toluene-d8	7.55	98	376983	57.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	114.42%
43) trans-1,3-Dichloropropene-	7.83	79	64085	58.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	117.22%
47) 2-Hexanone-d5	8.30	63	128220	122.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.52%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196196	57.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	145932	61.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	123.26%#

Target Compounds

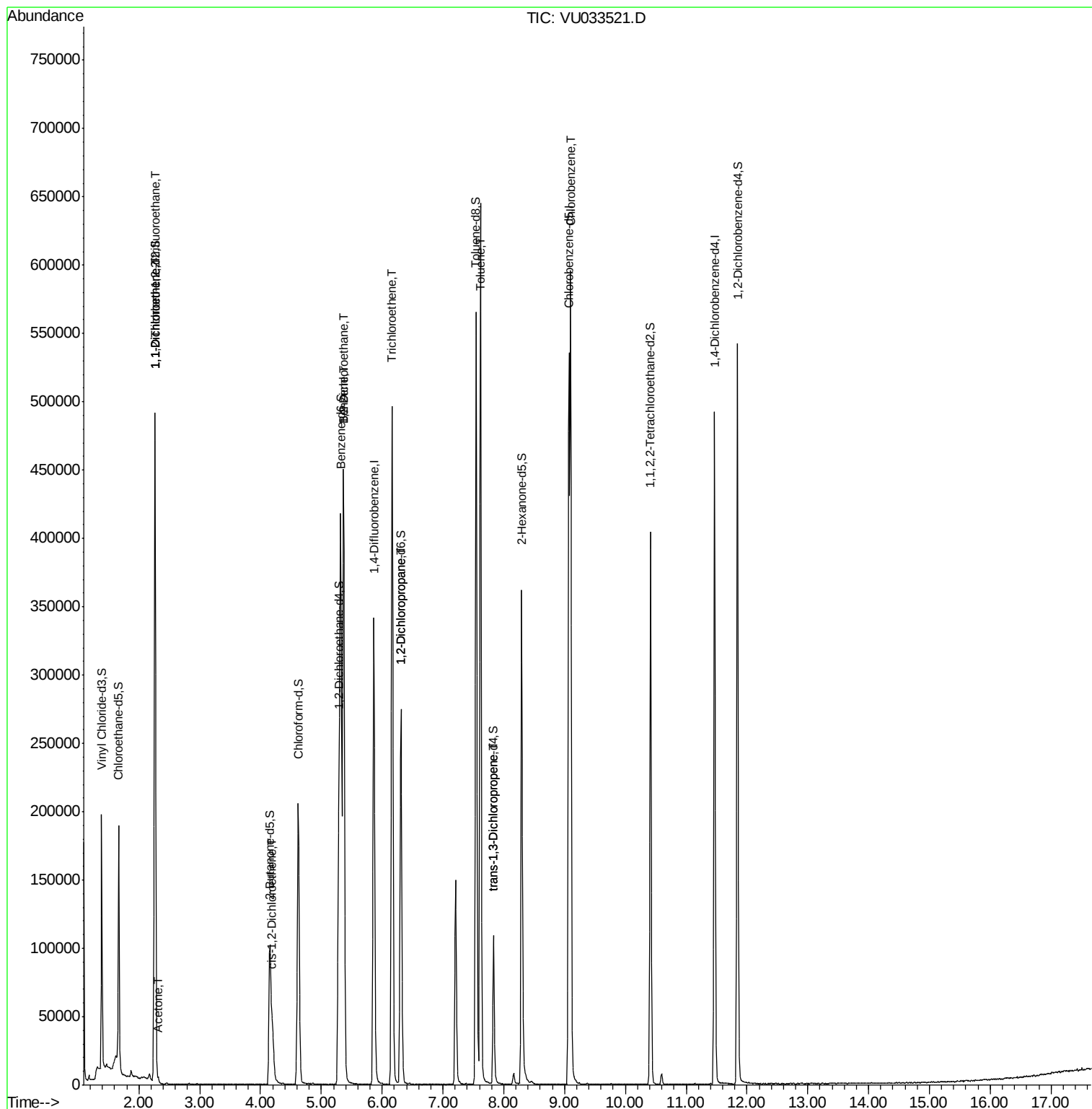
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1534	0.786 ug/L #	23
12) 1,1-Dichloroethene	2.27	96	97885	52.281 ug/L	97
13) Acetone	2.32	43	1608	1.129 ug/L	74
20) cis-1,2-Dichloroethene	4.20	96	16673	7.573 ug/L	91
27) 1,2-Dichloroethane	5.37	62	3834	1.285 ug/L #	75
33) Benzene	5.37	78	450156	55.011 ug/L	100
34) Trichloroethene	6.16	95	171235	79.328 ug/L	99
37) 1,2-Dichloropropane	6.31	63	14667	6.696 ug/L #	88
42) Toluene	7.62	91	478794	54.414 ug/L	100
44) trans-1,3-Dichloropropene	7.83	75	3049	0.987 ug/L	85
51) Chlorobenzene	9.10	112	303396	52.666 ug/L	99

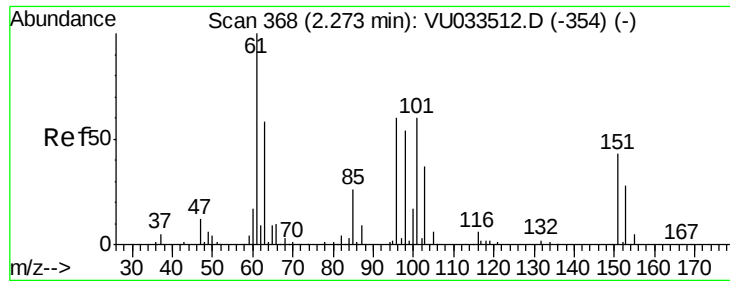
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.786 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033521.D

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Instrument :

MSVOA_U

ClientSampleId :

DB9D8MS

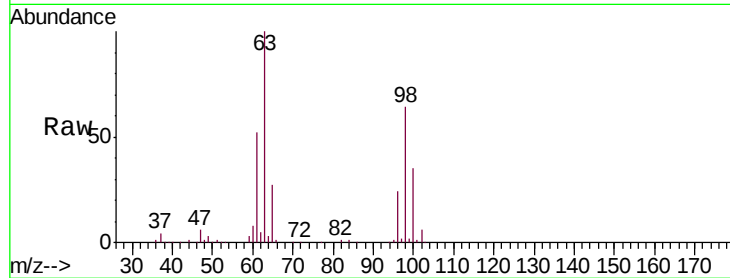
Tgt Ion:101 Resp: 1534

Ion Ratio Lower Upper

101 100

85 6.1 35.8 53.8#

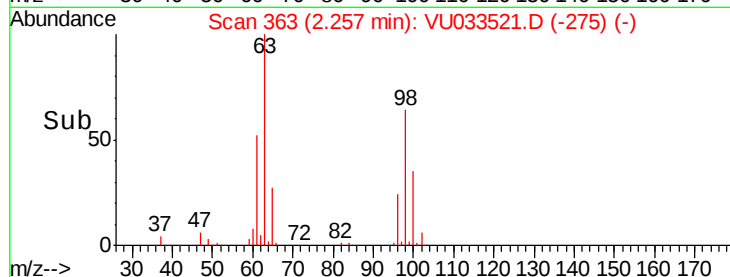
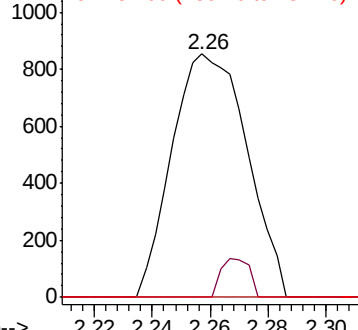
151 0.0 60.1 90.1#



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



#12

1,1-Dichloroethene

Concen: 52.281 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033521.D

Acq: 31 Jul 2019 13:25

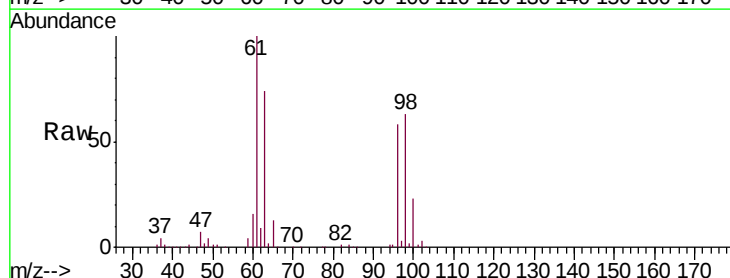
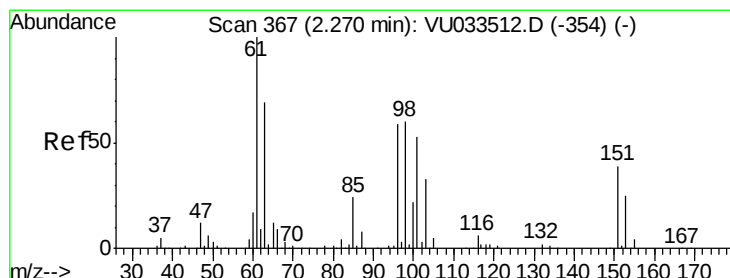
Tgt Ion: 96 Resp: 97885

Ion Ratio Lower Upper

96 100

61 173.6 119.3 221.5

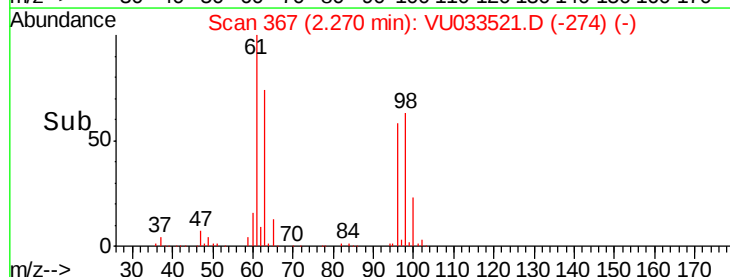
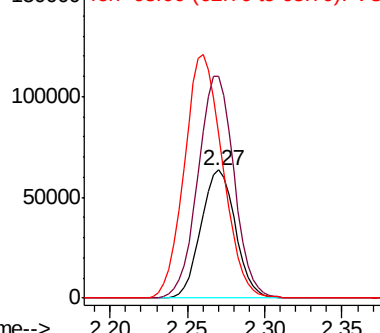
63 128.1 86.6 160.8

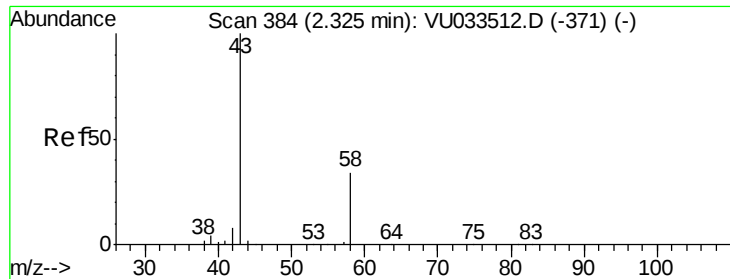


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.129 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.01 min

Lab File: VU033521.D

Acq: 31 Jul 2019 13:25

Instrument :

MSVOA_U

ClientSampled :

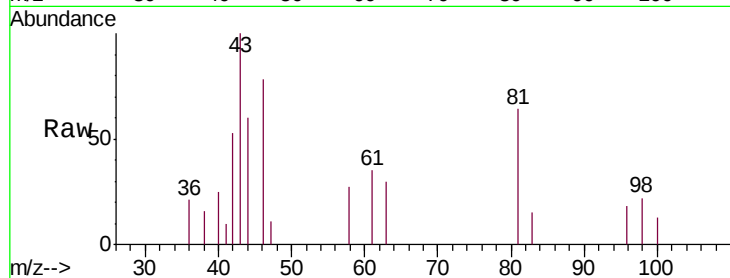
DB9D8MS

Tgt Ion: 43 Resp: 1608

Ion Ratio Lower Upper

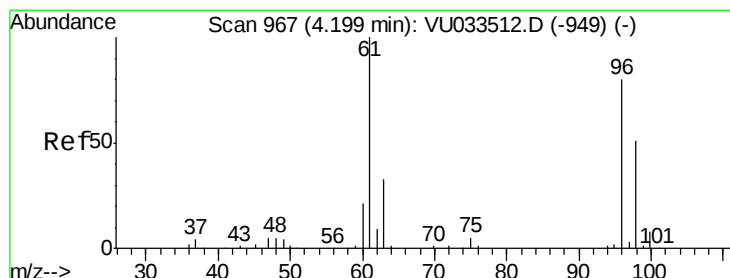
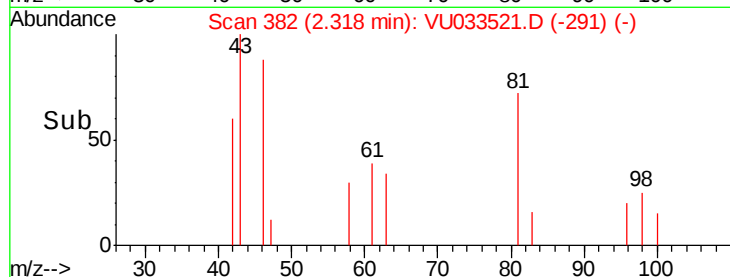
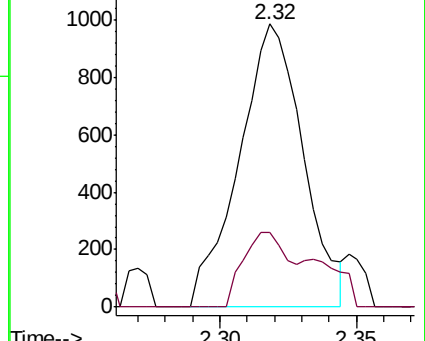
43 100

58 18.5 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU033521.D (-371) (-)

Ion 58.00 (57.70 to 58.70): VU033521.D (-371) (-)



#20

cis-1,2-Dichloroethene

Concen: 7.573 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033521.D

Acq: 31 Jul 2019 13:25

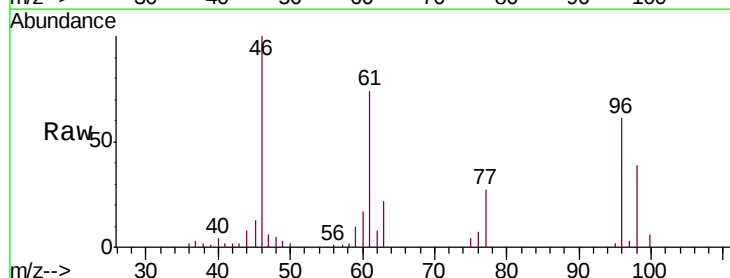
Tgt Ion: 96 Resp: 16673

Ion Ratio Lower Upper

96 100

61 120.3 91.3 169.6

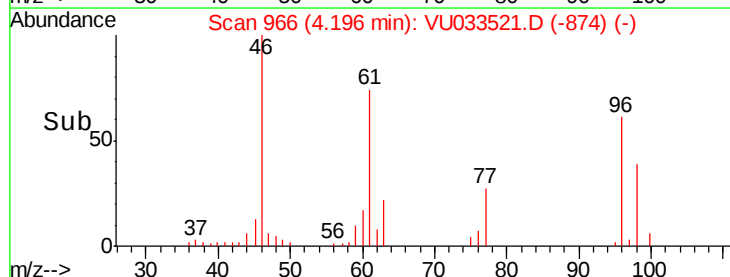
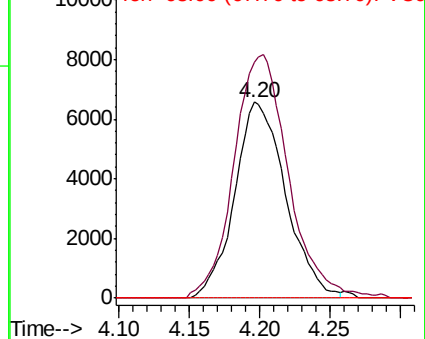
68 0.0 0.0 0.0

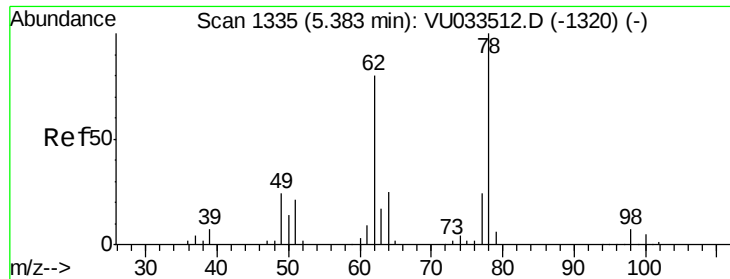


Abundance Ion 96.00 (95.70 to 96.70): VU033521.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033521.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033521.D (-874) (-)

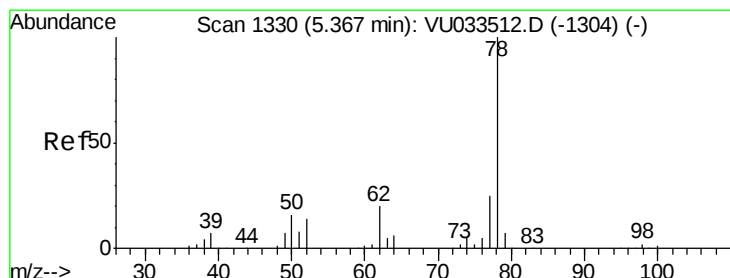
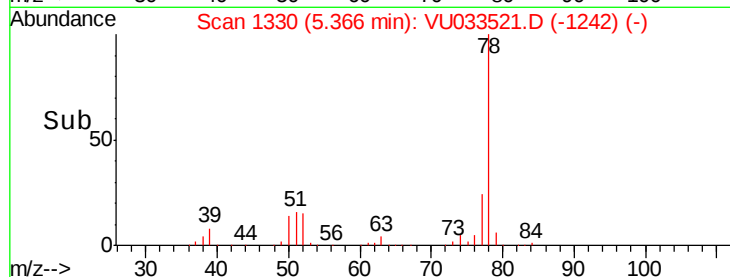
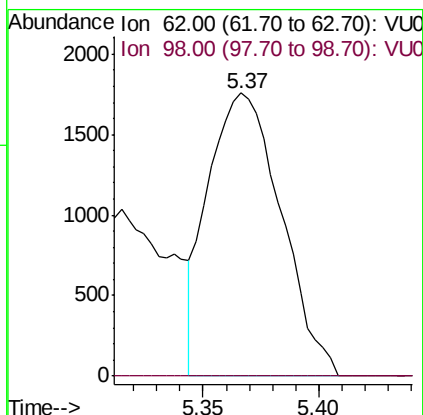
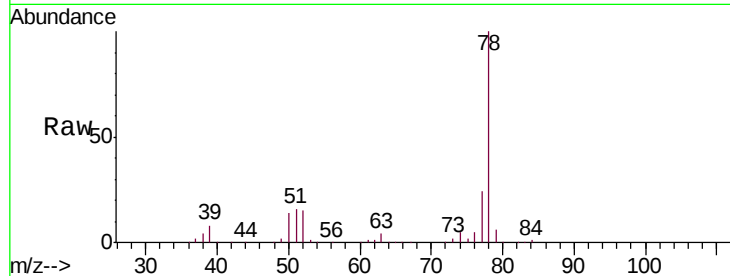




#27
 1,2-Dichloroethane
 Concen: 1.285 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. -0.02 min
 Lab File: VU033521.D
 Acq: 31 Jul 2019 13:25

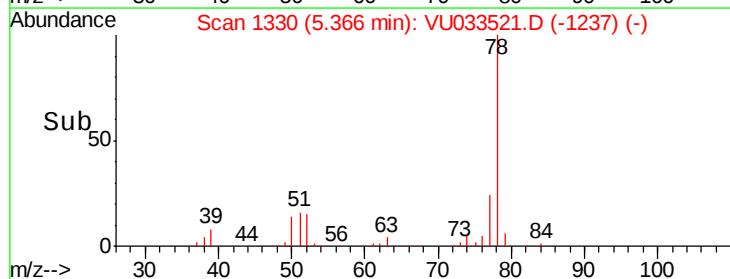
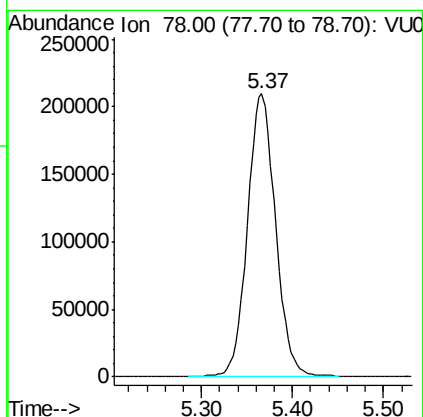
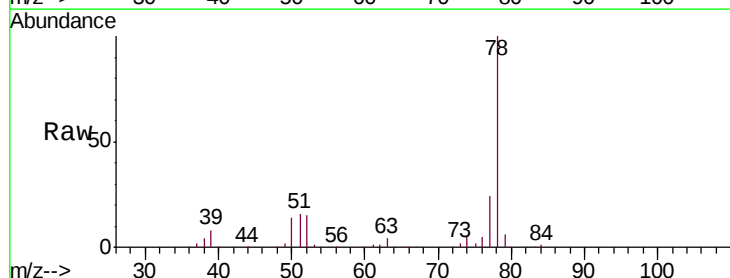
Instrument :
 MSVOA_U
 ClientSampleId :
 DB9D8MS

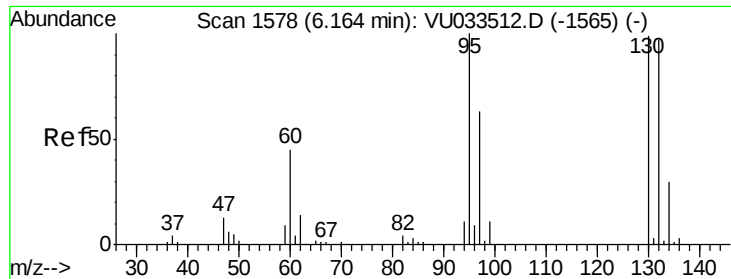
Tgt Ion: 62 Resp: 3834
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#33
 Benzene
 Concen: 55.011 ug/L
 RT: 5.37 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VU033521.D
 Acq: 31 Jul 2019 13:25

Tgt Ion: 78 Resp: 450156

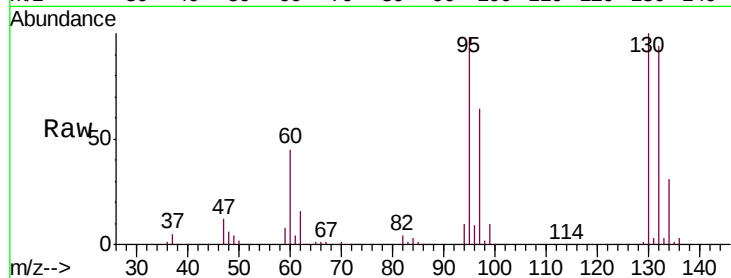




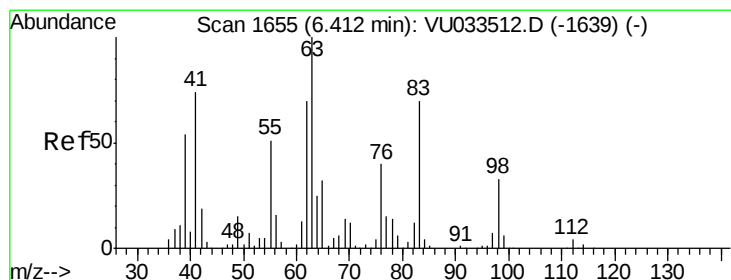
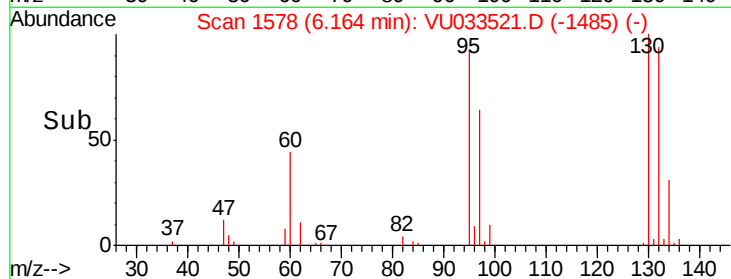
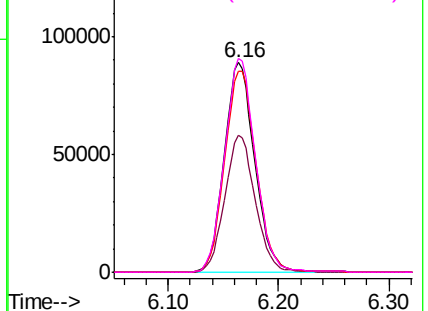
#34
 Trichloroethene
 Concen: 79.328 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VU033521.D
 Acq: 31 Jul 2019 13:25

Instrument :
 MSVOA_U
 ClientSampleId :
 DB9D8MS

Tgt Ion: 95 Resp: 171235
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.7 83.1
 132 96.2 66.8 124.0
 130 102.0 71.6 133.0

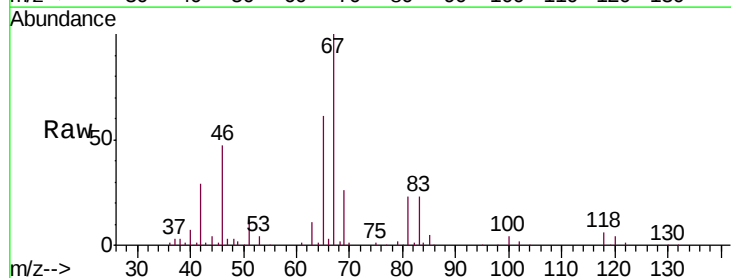


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

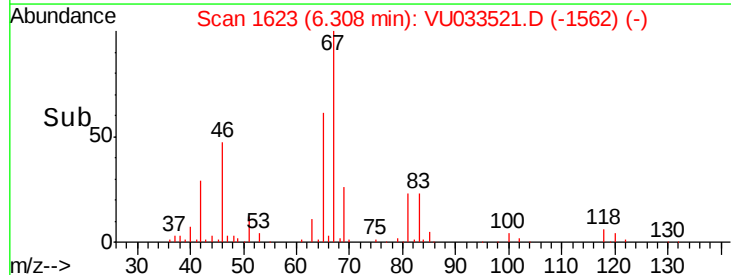
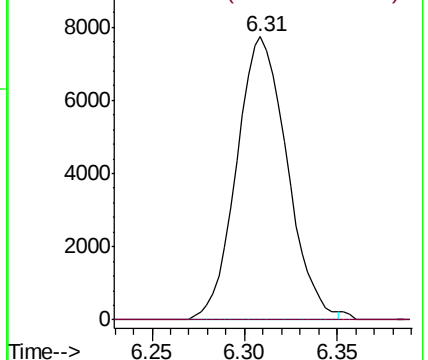


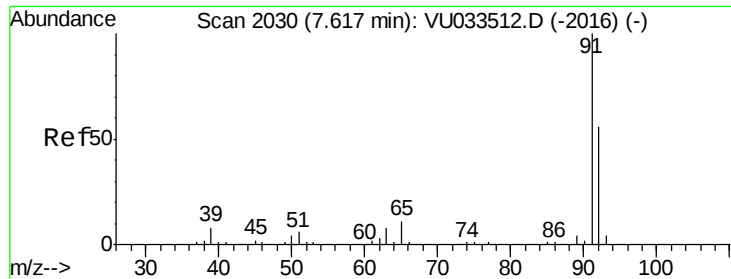
#37
 1,2-Dichloropropane
 Concen: 6.696 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033521.D
 Acq: 31 Jul 2019 13:25

Tgt Ion: 63 Resp: 14667
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 54.414 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033521.D

Acq: 31 Jul 2019 13:25

Instrument :

MSVOA_U

ClientSampleId :

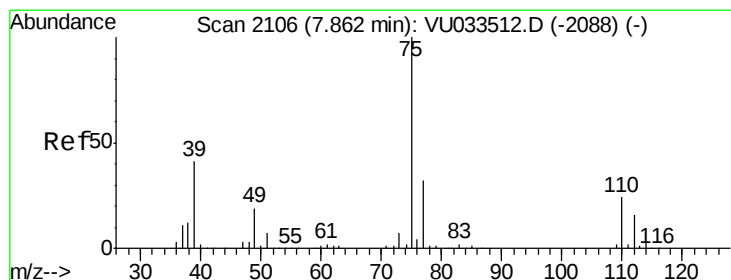
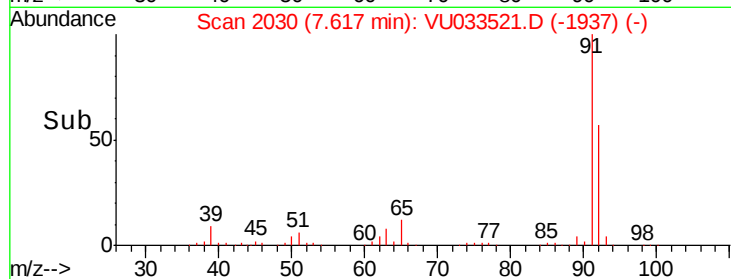
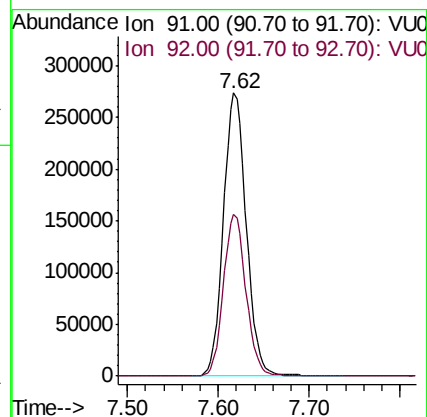
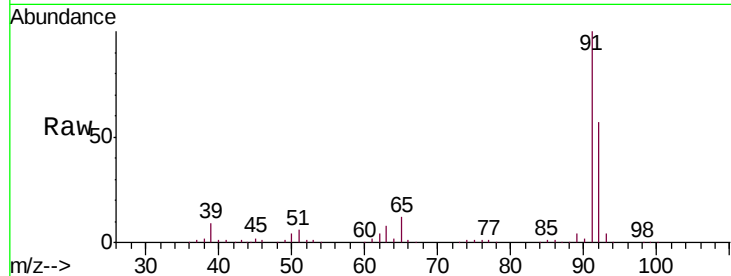
DB9D8MS

Tgt Ion: 91 Resp: 478794

Ion Ratio Lower Upper

91 100

92 57.3 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 0.987 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033521.D

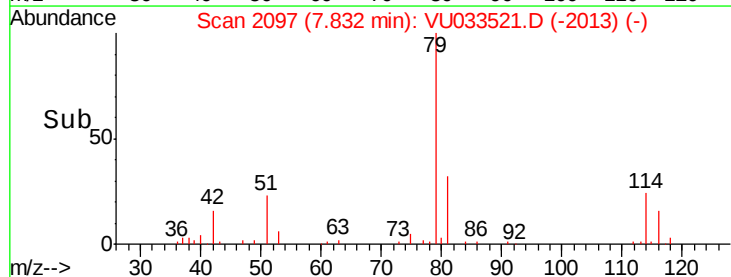
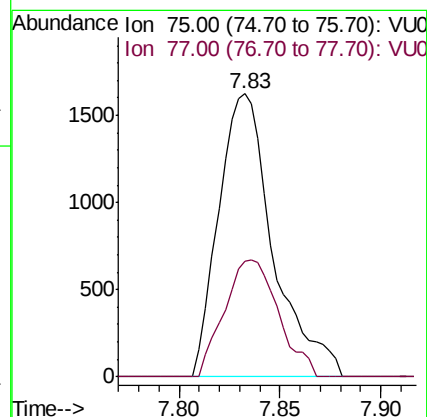
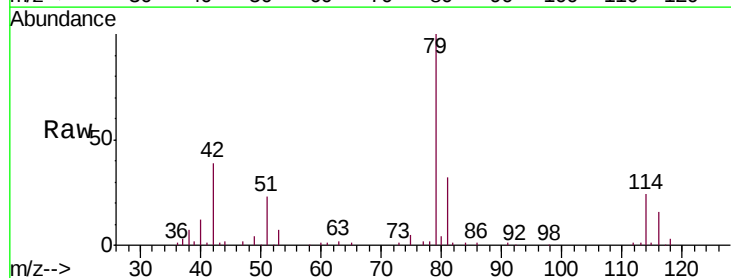
Acq: 31 Jul 2019 13:25

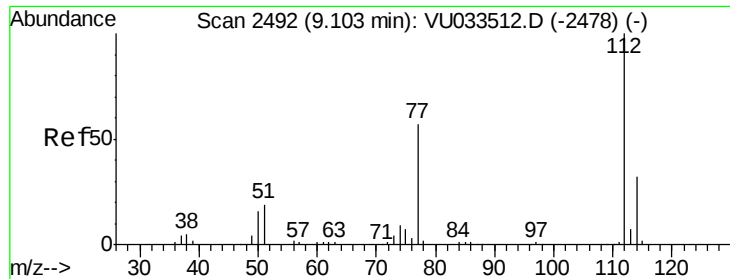
Tgt Ion: 75 Resp: 3049

Ion Ratio Lower Upper

75 100

77 41.0 22.7 42.1





#51

Chlorobenzene

Concen: 52.666 ug/L

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

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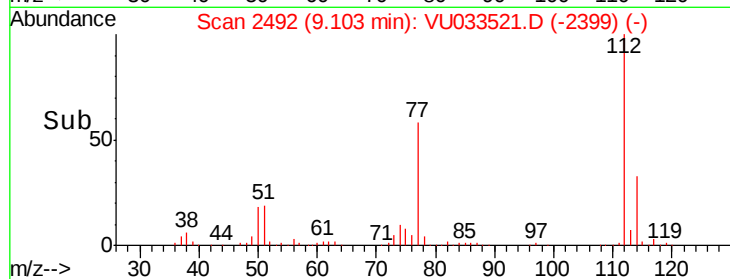
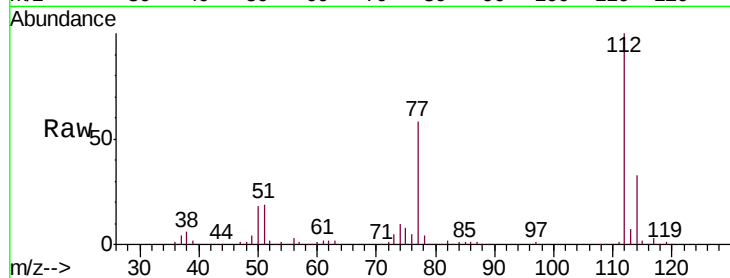
Tgt Ion:112 Resp: 303396

Ion Ratio Lower Upper

112 100

114 32.9 22.3 41.5

77 57.5 45.6 68.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

