

Data File : VU033227.D
Acq On : 12 Jul 2019 17:22
Operator : JC/SP
Sample : K3760-04MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8X2MSD

Quant Time: Jul 13 00:12:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 13 00:05:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	309590	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	307514	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	139275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	127889	54.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	109.14%
7) Chloroethane-d5	1.66	69	110845	55.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.72%
11) 1,1-Dichloroethene-d2	2.26	63	246874	58.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.14%
21) 2-Butanone-d5	4.15	46	153213	103.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.18%
24) Chloroform-d	4.62	84	198904	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	5.28	65	135247	53.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.38%
32) Benzene-d6	5.31	84	421500	55.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.74%
36) 1,2-Dichloropropane-d6	6.31	67	132852	54.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.96%
41) Toluene-d8	7.55	98	385872	54.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.48%
43) trans-1,3-Dichloropropene-	7.83	79	63398	53.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.00%
47) 2-Hexanone-d5	8.29	63	125331	115.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.04%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	193004	52.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	141320	56.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.80%

Target Compounds

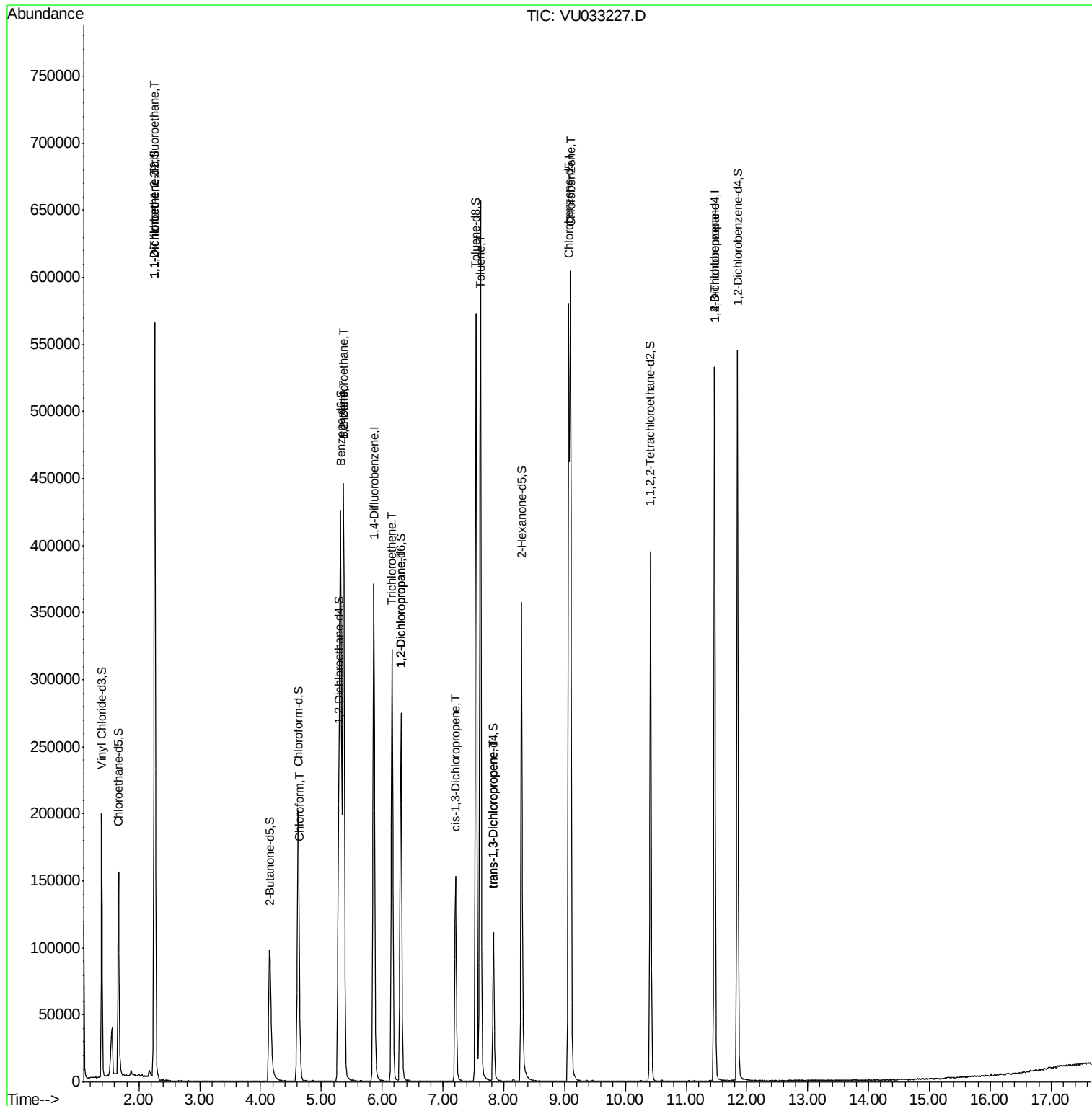
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1980	0.937 ug/L #	21
12) 1,1-Dichloroethene	2.27	96	101987	49.355 ug/L	98
25) Chloroform	4.64	83	8135	1.863 ug/L	97
27) 1,2-Dichloroethane	5.36	62	3823	1.131 ug/L #	76
33) Benzene	5.36	78	445185	49.642 ug/L	100
34) Trichloroethene	6.16	95	111910	47.715 ug/L	99
37) 1,2-Dichloropropane	6.31	63	14937	6.142 ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	4003	1.073 ug/L	83
42) Toluene	7.62	91	478818	49.524 ug/L	100
44) trans-1,3-Dichloropropene	7.83	75	3150	0.937 ug/L	98
51) Chlorobenzene	9.10	112	309580	49.057 ug/L	99
59) 1,2,3-Trichloropropane	11.47	75	17241	5.445 ug/L	92

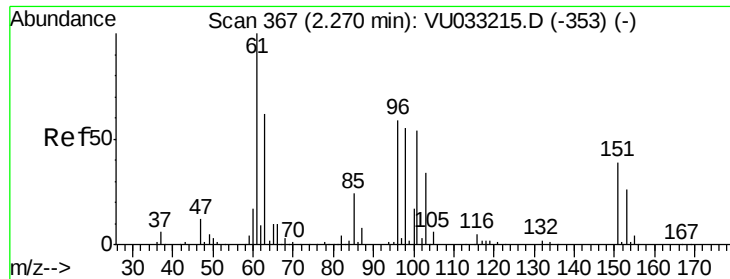
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.937 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033227.D

Acq: 12 Jul 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

DB8X2MSD

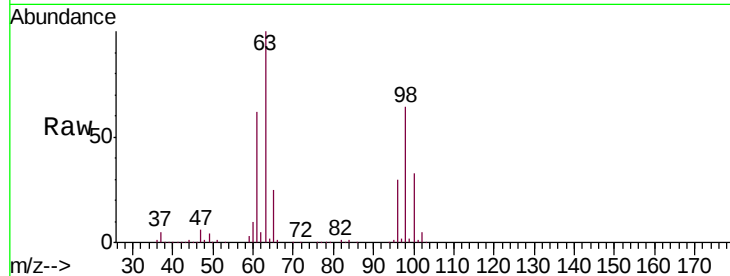
Tgt Ion: 101 Resp: 1980

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

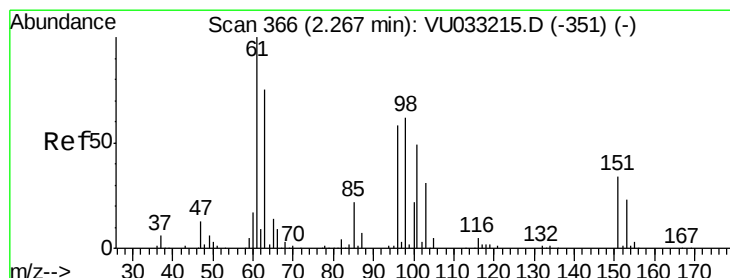
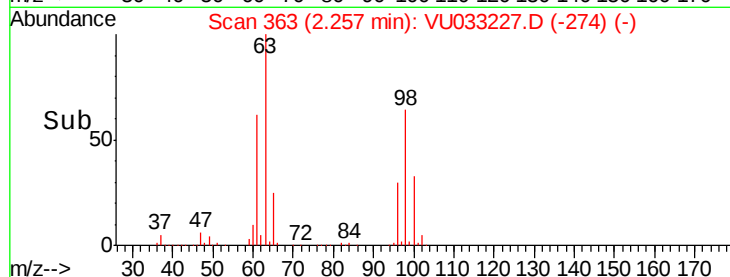
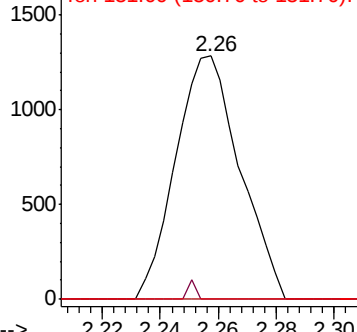
151 0.0 56.7 85.1#



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: 49.355 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033227.D

Acq: 12 Jul 2019 17:22

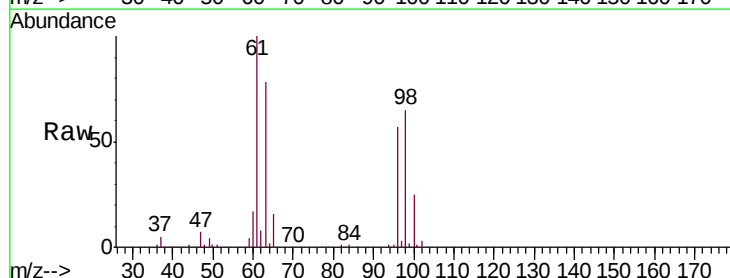
Tgt Ion: 96 Resp: 101987

Ion Ratio Lower Upper

96 100

61 175.2 126.1 234.1

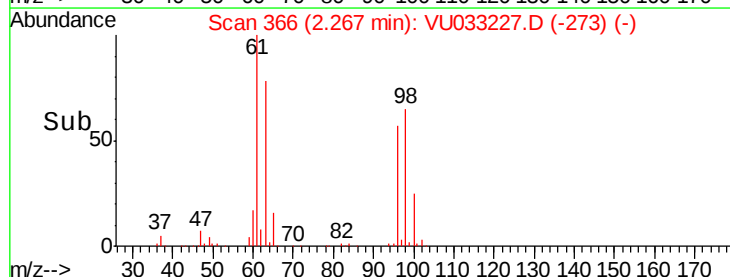
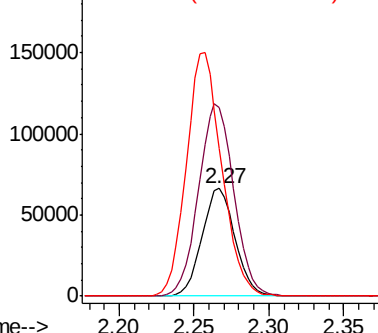
63 137.5 96.8 179.8

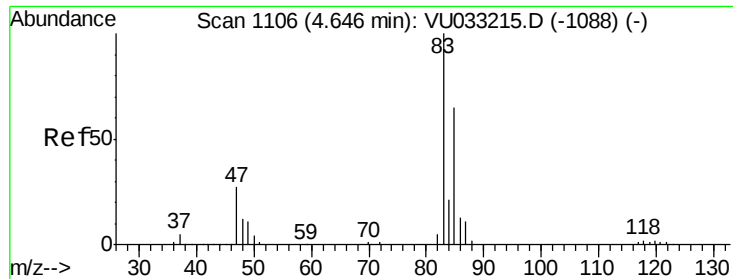


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

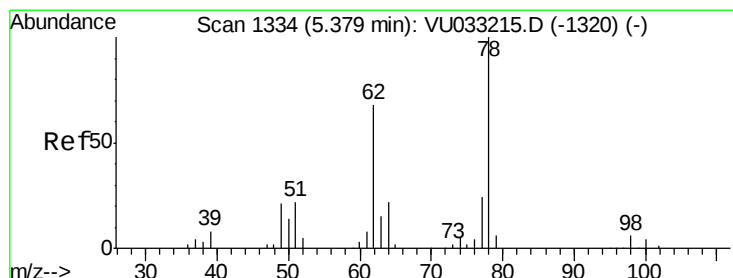
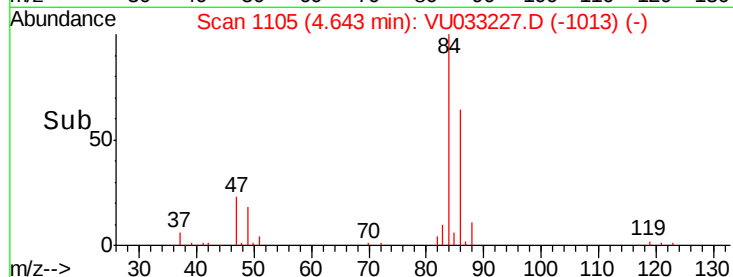
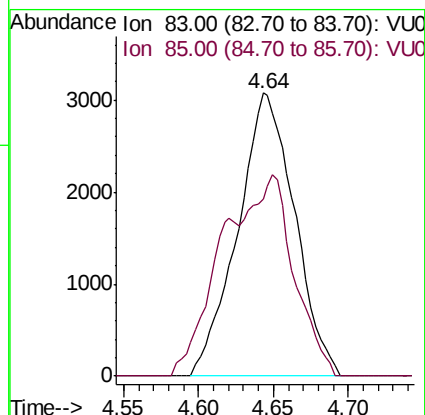
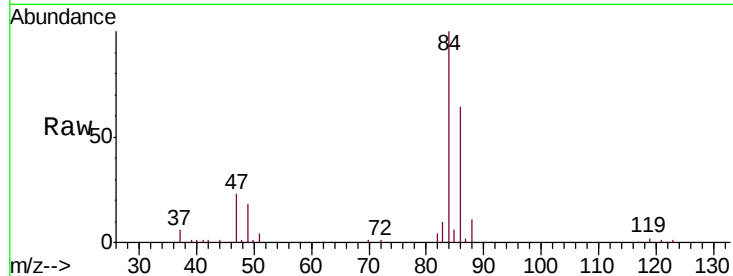




#25
Chloroform
Concen: 1.863 ug/L
RT: 4.64 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VU033227.D
Acq: 12 Jul 2019 17:22

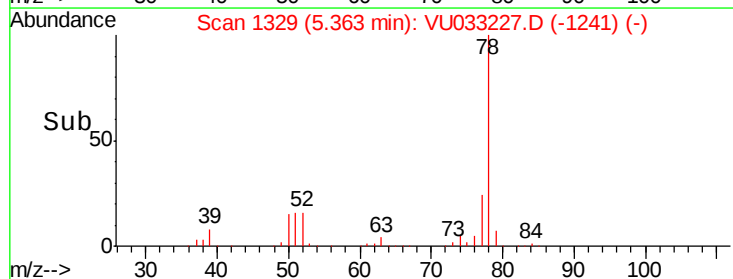
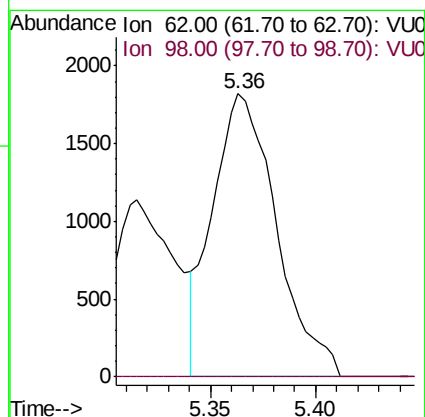
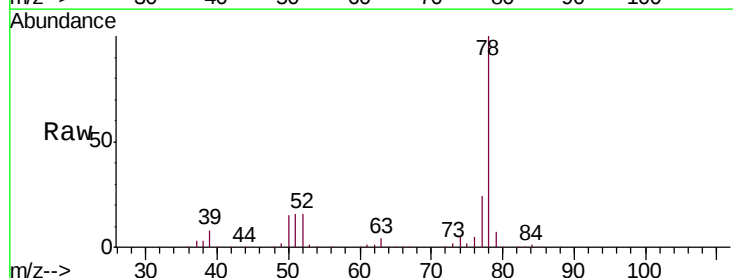
Instrument :
MSVOA_U
ClientSampleId :
DB8X2MSD

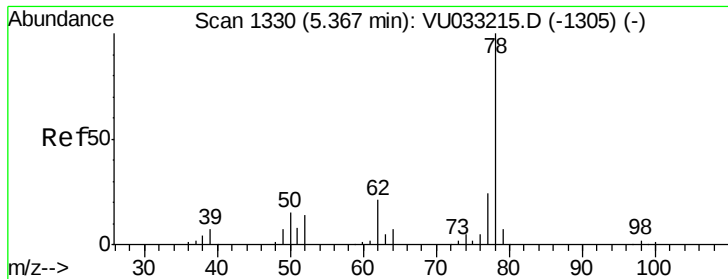
Tgt Ion: 83 Resp: 8135
Ion Ratio Lower Upper
83 100
85 62.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.131 ug/L
RT: 5.36 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VU033227.D
Acq: 12 Jul 2019 17:22

Tgt Ion: 62 Resp: 3823
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#





#33

Benzene

Concen: 49.642 ug/L

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033227.D

Acq: 12 Jul 2019 17:22

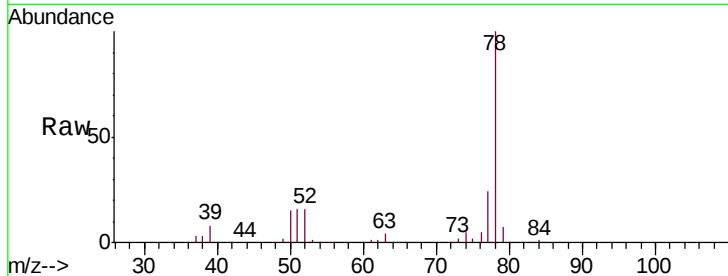
Instrument :

MSVOA_U

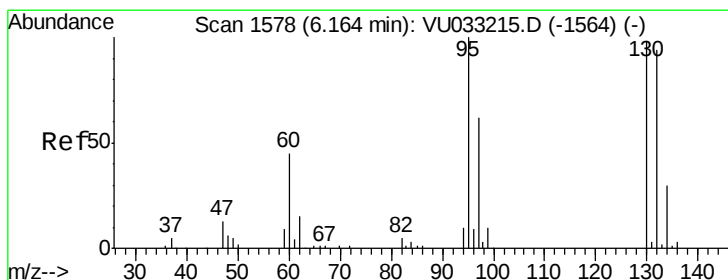
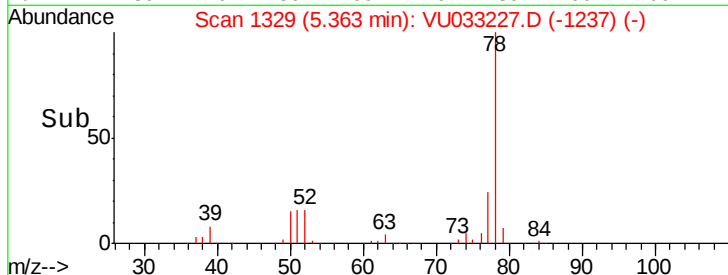
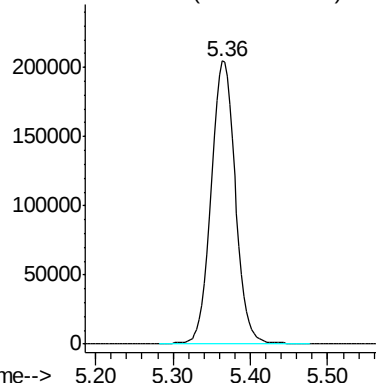
ClientSampleId :

DB8X2MSD

Tgt Ion: 78 Resp: 445185



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 47.715 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033227.D

Acq: 12 Jul 2019 17:22

Tgt Ion: 95 Resp: 111910

Ion	Ratio	Lower	Upper
95	100		
97	63.3	43.8	81.4
132	93.5	65.5	121.6
130	98.7	69.7	129.5

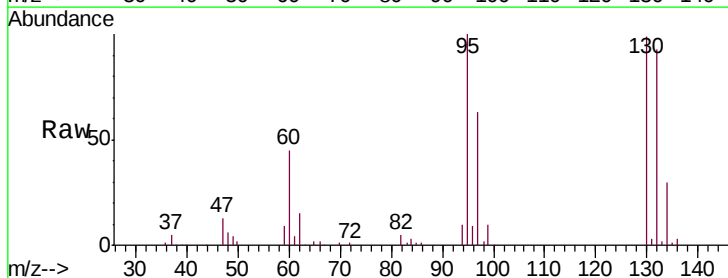
Ion 95.00 (94.70 to 95.70): VU0

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

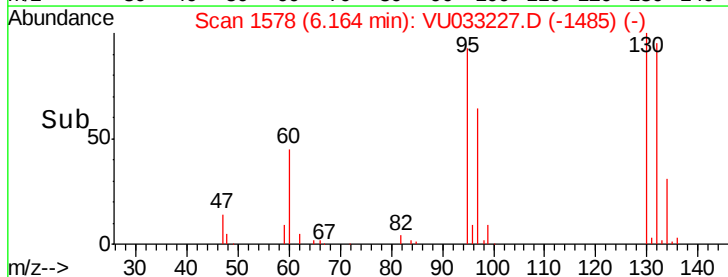
Abundance Ion 95.00 (94.70 to 95.70): VU0



Abundance 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



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

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

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

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

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

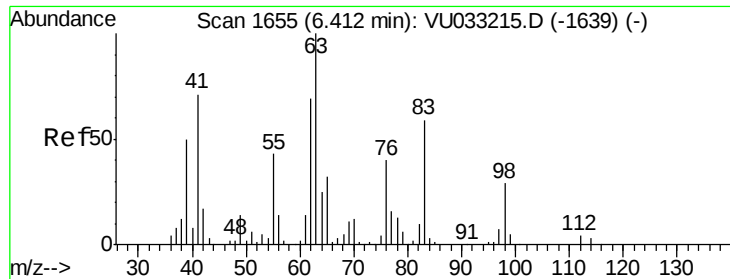
Ion 130.00 (129.70 to 130.70): V

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

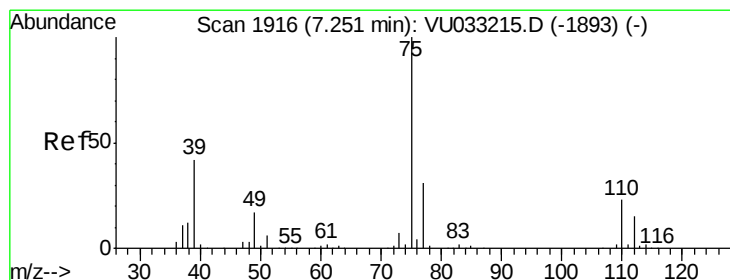
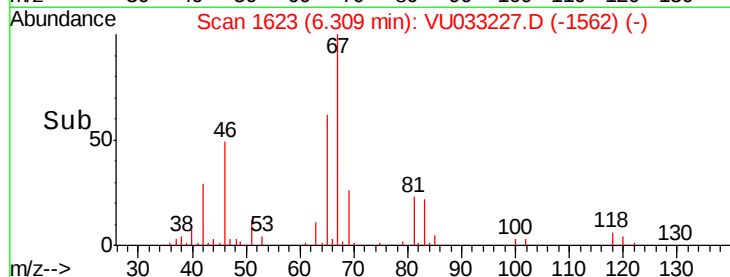
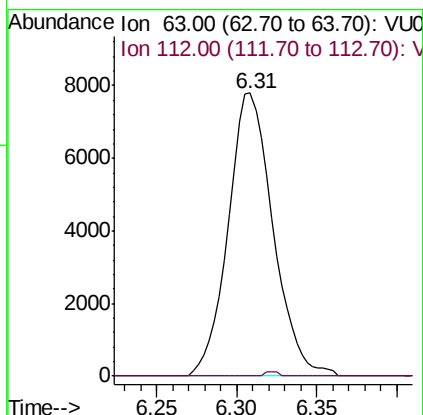
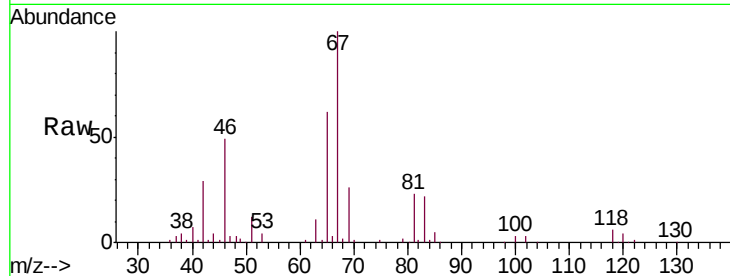
Ion 130.00 (129.70 to 130.70): V



#37
 1,2-Dichloropropane
 Concen: 6.142 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033227.D
 Acq: 12 Jul 2019 17:22

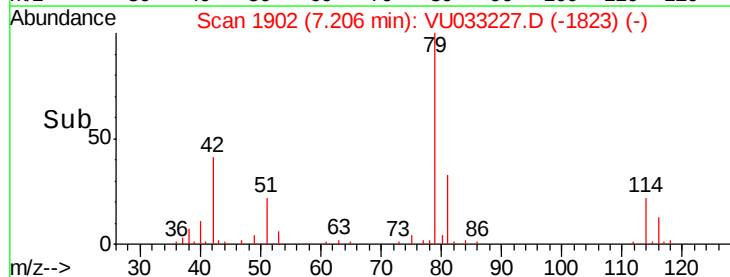
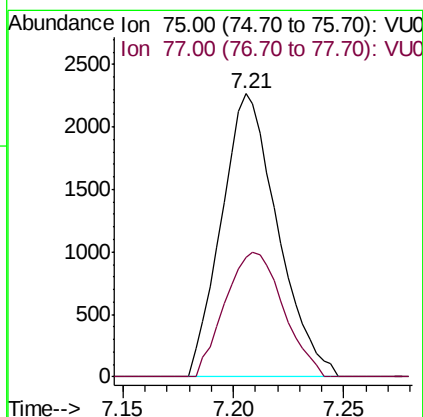
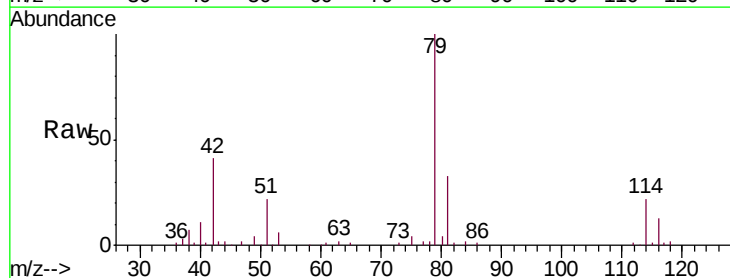
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8X2MSD

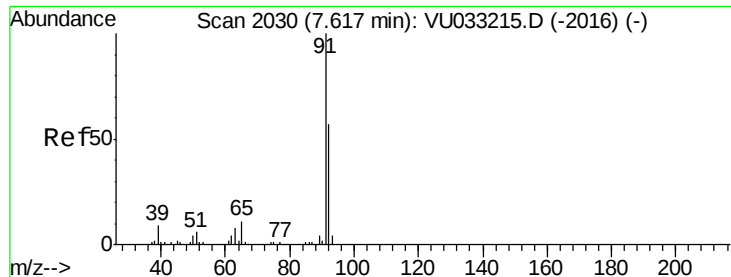
Tgt Ion: 63 Resp: 14937
 Ion Ratio Lower Upper
 63 100
 112 0.5 3.2 4.8#



#39
 cis-1,3-Dichloropropene
 Concen: 1.073 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033227.D
 Acq: 12 Jul 2019 17:22

Tgt Ion: 75 Resp: 4003
 Ion Ratio Lower Upper
 75 100
 77 42.4 23.1 42.9





#42

Toluene

Concen: 49.524 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033227.D

Acq: 12 Jul 2019 17:22

Instrument :

MSVOA_U

ClientSampleId :

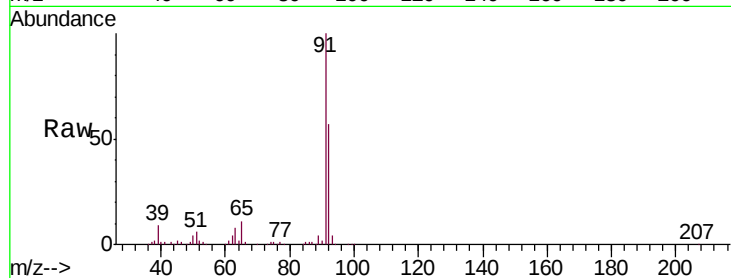
DB8X2MSD

Tgt Ion: 91 Resp: 478818

Ion Ratio Lower Upper

91 100

92 57.3 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VU033227.D (-1937) (-)

Ion 92.00 (91.70 to 92.70): VU033227.D (-1937) (-)

7.62

300000

250000

200000

150000

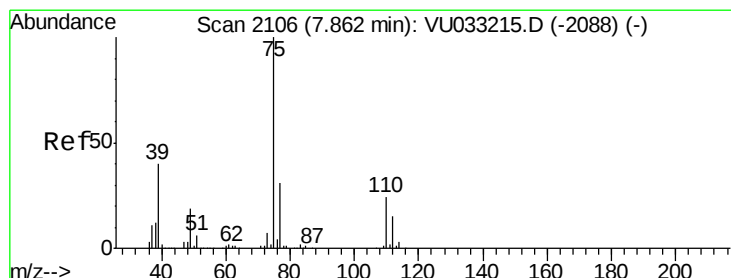
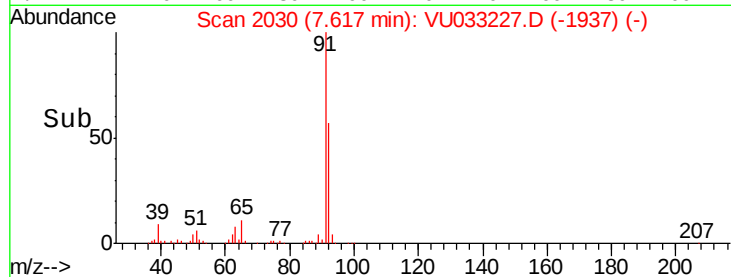
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.937 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033227.D

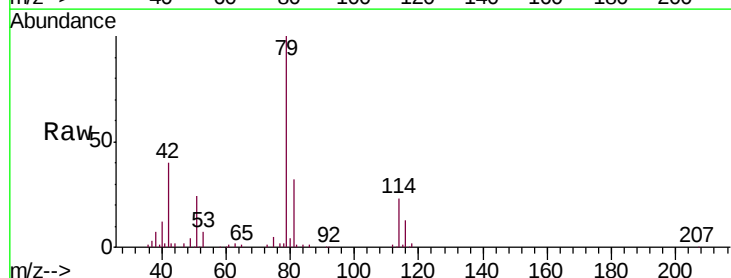
Acq: 12 Jul 2019 17:22

Tgt Ion: 75 Resp: 3150

Ion Ratio Lower Upper

75 100

77 30.7 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033227.D (-2013) (-)

Ion 77.00 (76.70 to 77.70): VU033227.D (-2013) (-)

7.83

2000

1500

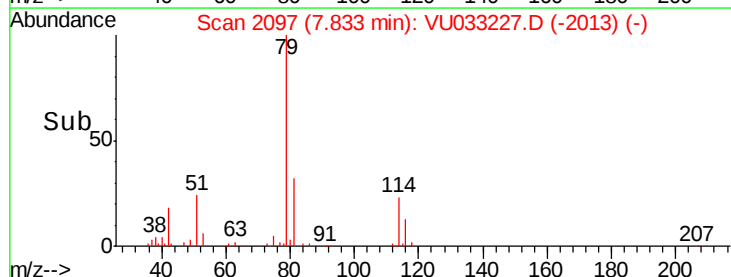
1000

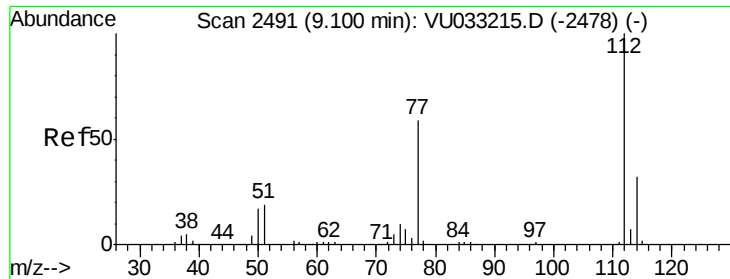
500

0

7.80 7.85

Time-->

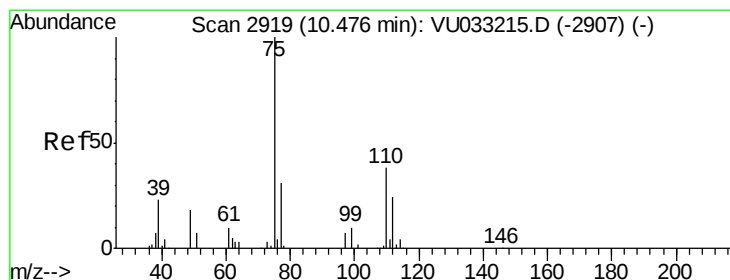
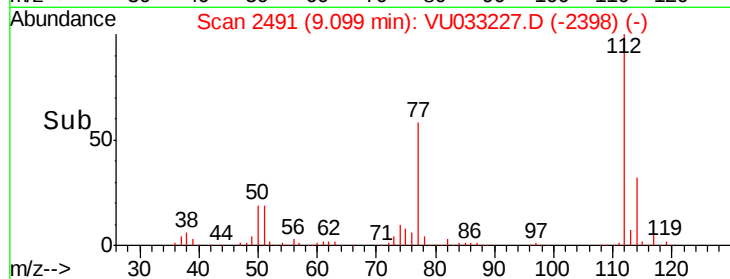
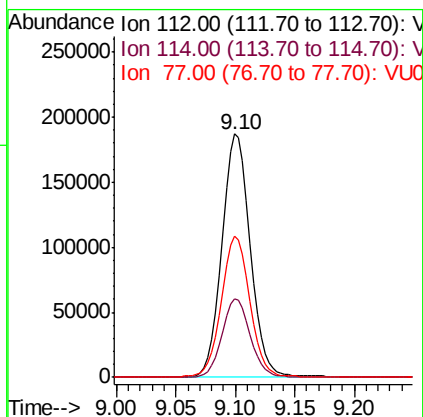
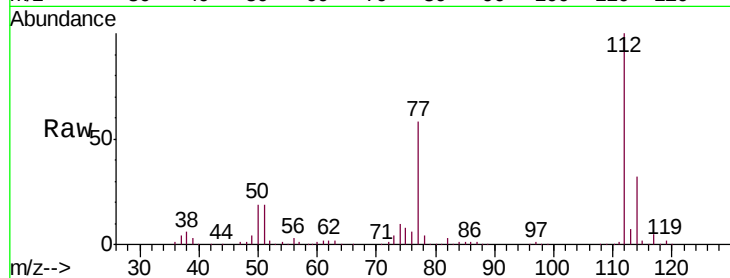




#51
Chlorobenzene
Concen: 49.057 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU033227.D
Acq: 12 Jul 2019 17:22

Instrument :
MSVOA_U
ClientSampleId :
DB8X2MSD

Tgt Ion: 112 Resp: 309580
Ion Ratio Lower Upper
112 100
114 32.4 22.3 41.3
77 57.8 47.2 70.8



#59
1,2,3-Trichloropropane
Concen: 5.445 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033227.D
Acq: 12 Jul 2019 17:22

Tgt Ion: 75 Resp: 17241
Ion Ratio Lower Upper
75 100
77 37.1 26.0 39.0

