

Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Quant Time: Mar 22 05:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	546353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	557930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	292804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133797	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.44%
7) Chloroethane-d5	1.70	69	144	0.05	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.10%#
11) 1,1-Dichloroethene-d2	2.23	63	191389	28.40	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.80%#
21) 2-Butanone-d5	4.19	46	271255	98.97	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.97%
24) Chloroform-d	4.64	84	289668	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	5.30	65	175930	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.33	84	614229	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
36) 1,2-Dichloropropane-d6	6.32	67	198891	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.44%
41) Toluene-d8	7.56	98	557223	40.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.62%
43) trans-1,3-Dichloropropene-	7.85	79	92264	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.30%
47) 2-Hexanone-d5	8.32	63	246353	104.43	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	360069	51.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	269790	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

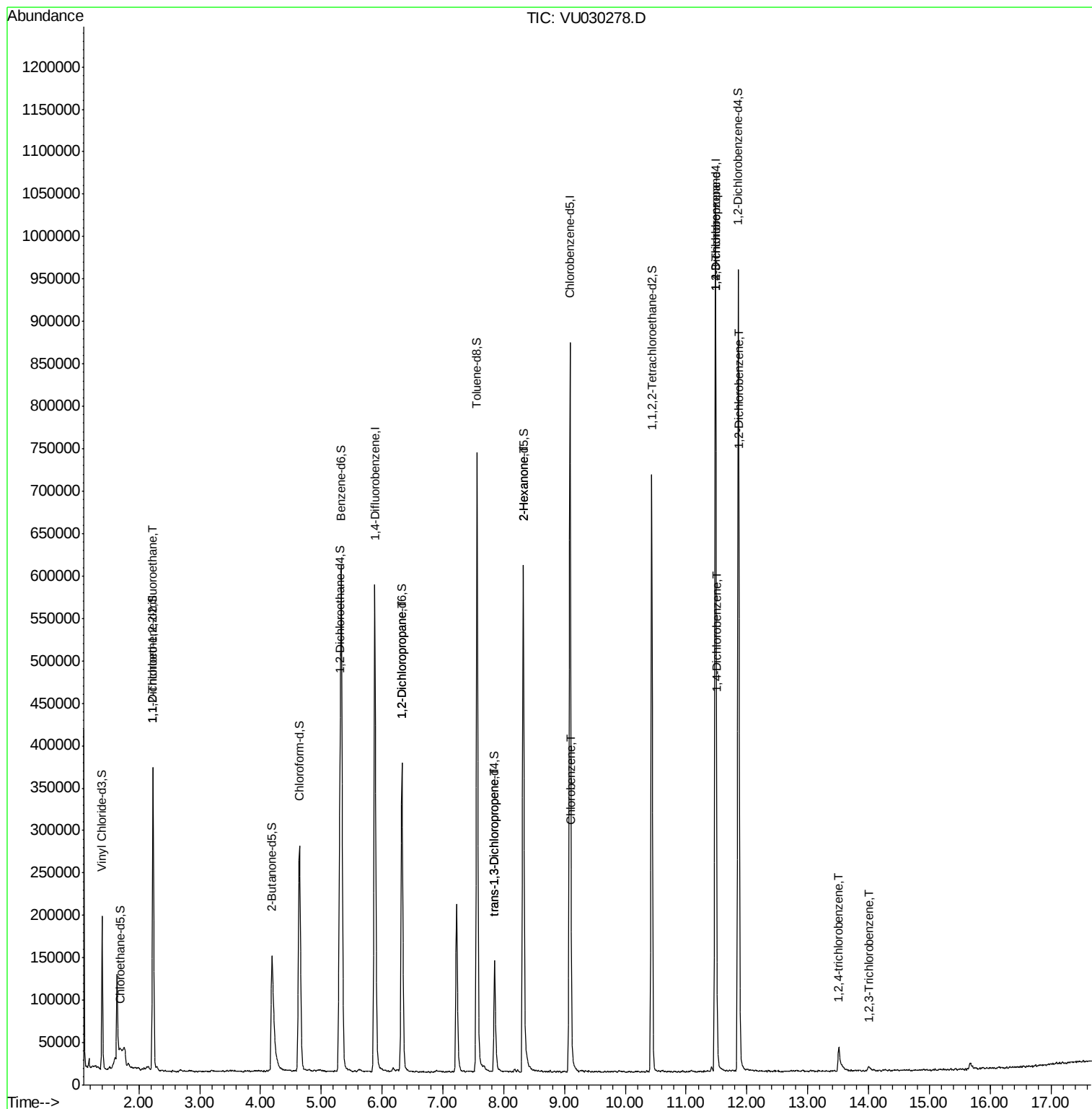
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2091	0.570	ug/L #	18
37) 1,2-Dichloropropane	6.32	63	19405	4.707	ug/L #	88
44) trans-1,3-Dichloropropene	7.85	75	3504	0.612	ug/L	85
48) 2-Hexanone	8.32	43	23979	5.099	ug/L #	64
51) Chlorobenzene	9.12	112	6584	0.568	ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	34784	6.243	ug/L	95
63) 1,4-Dichlorobenzene	11.51	146	18205	1.879	ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	30484	3.194	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	14364	2.225	ug/L #	81
70) 1,2,3-Trichlorobenzene	14.00	180	3496	0.519	ug/L #	80

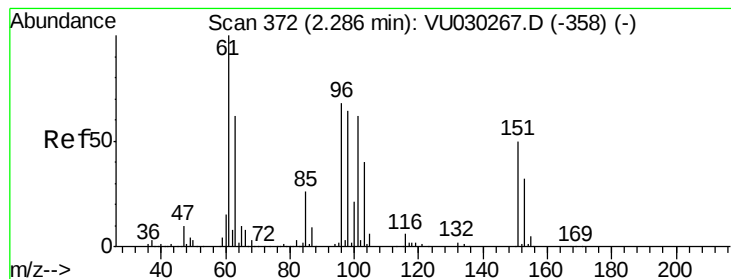
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.570 ug/L

RT: 2.23 min Scan# 355

Delta R.T. -0.05 min

Lab File: VU030278.D

Acq: 21 Mar 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

BF0D1

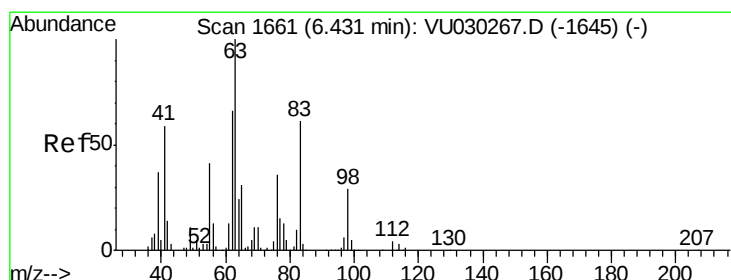
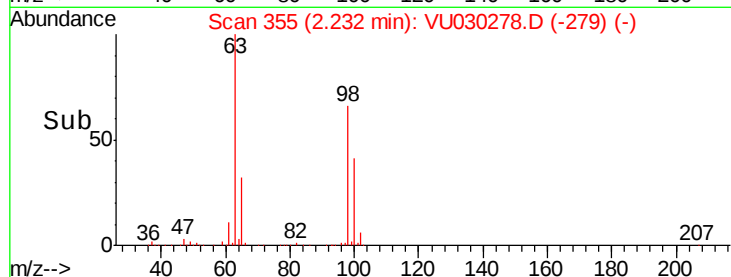
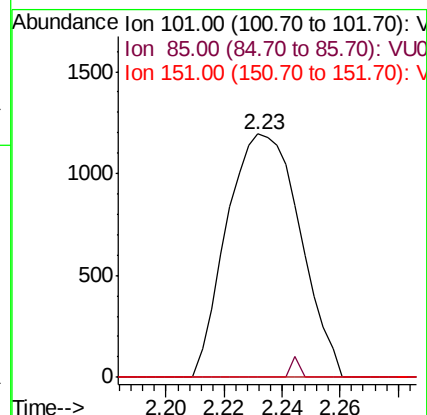
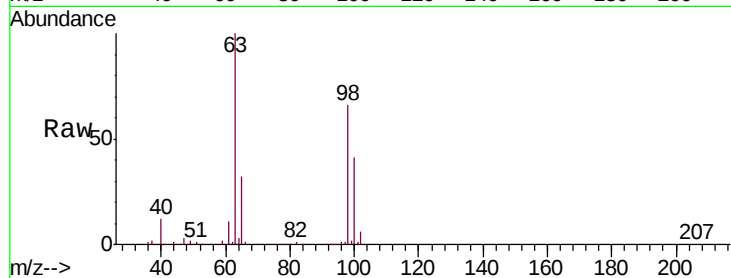
Tgt Ion: 101 Resp: 2091

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

151 0.0 64.7 97.1#



#37

1,2-Dichloropropane

Concen: 4.707 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.11 min

Lab File: VU030278.D

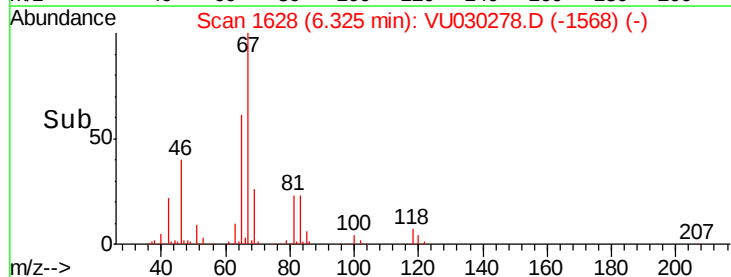
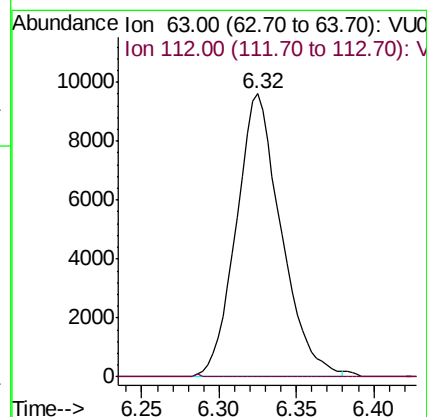
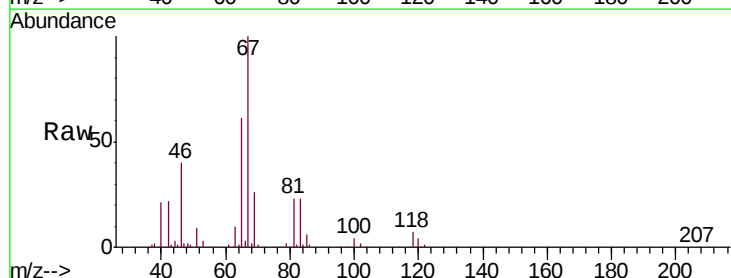
Acq: 21 Mar 2019 20:06

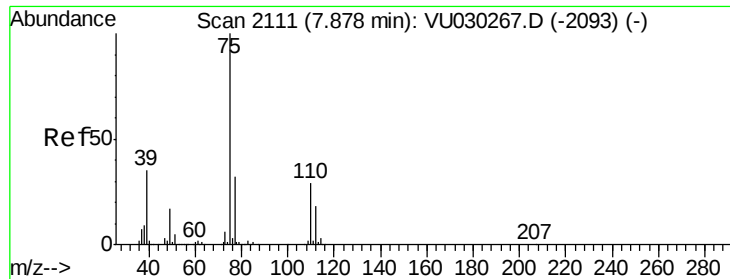
Tgt Ion: 63 Resp: 19405

Ion Ratio Lower Upper

63 100

112 0.0 3.3 4.9#





#44

trans-1,3-Dichloropropene

Concen: 0.612 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030278.D

Acq: 21 Mar 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

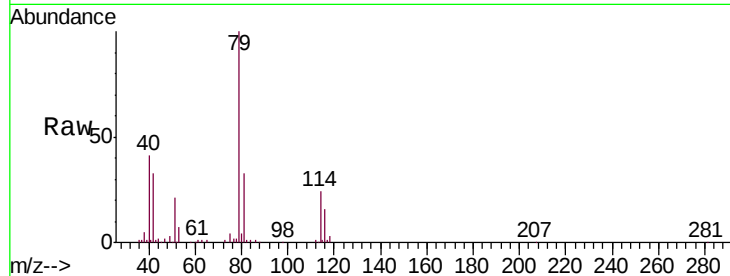
BF0D1

Tgt Ion: 75 Resp: 3504

Ion Ratio Lower Upper

75 100

77 41.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU030267.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU030267.D (-2093) (-)

2000

1500

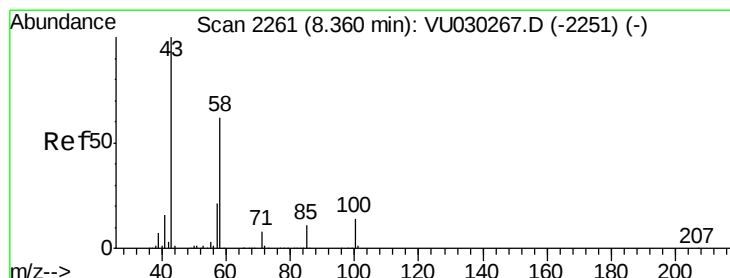
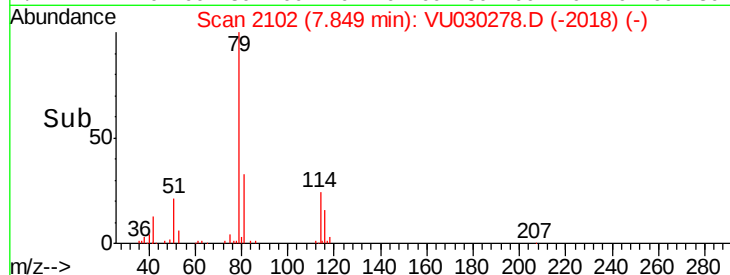
1000

500

0

7.80 7.85 7.90

Time-->



#48

2-Hexanone

Concen: 5.099 ug/L

RT: 8.32 min Scan# 2249

Delta R.T. -0.04 min

Lab File: VU030278.D

Acq: 21 Mar 2019 20:06

Tgt Ion: 43 Resp: 23979

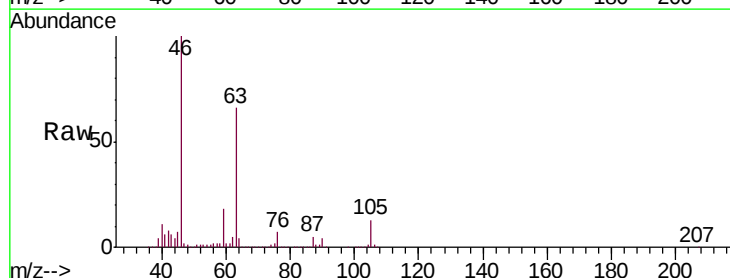
Ion Ratio Lower Upper

43 100

58 27.7 49.3 73.9#

57 27.4 17.0 25.4#

100 0.6 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VU030267.D (-2251) (-)

Ion 58.00 (57.70 to 58.70): VU030267.D (-2251) (-)

Ion 57.00 (56.70 to 57.70): VU030267.D (-2251) (-)

Ion 100.00 (99.70 to 100.70): VU030267.D (-2251) (-)

20000

15000

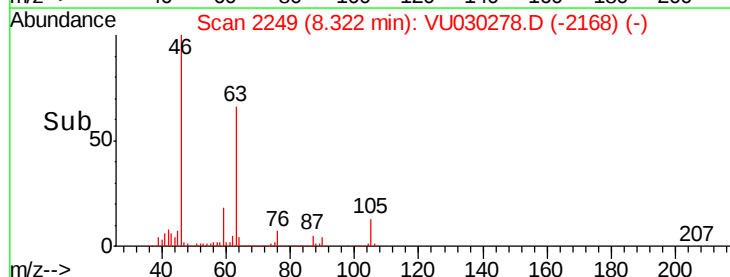
10000

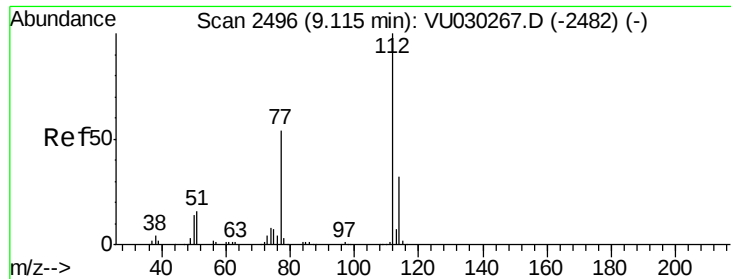
5000

0

8.30 8.32 8.35

Time-->





#51

Chlorobenzene

Concen: 0.568 ug/L

RT: 9.12 min Scan# 2497

Delta R.T. 0.00 min

Lab File: VU030278.D

Acq: 21 Mar 2019 20:06

Instrument :

MSVOA_U

ClientSampleId :

BF0D1

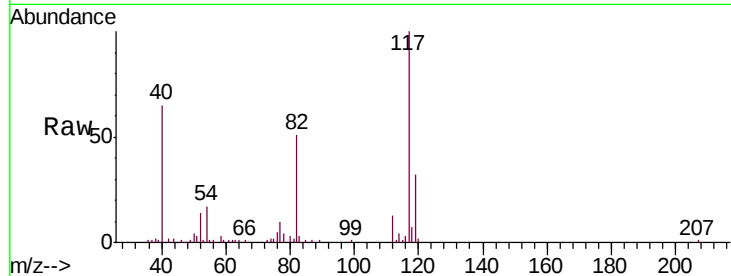
Tgt Ion: 112 Resp: 6584

Ion Ratio Lower Upper

112 100

114 34.1 22.5 41.7

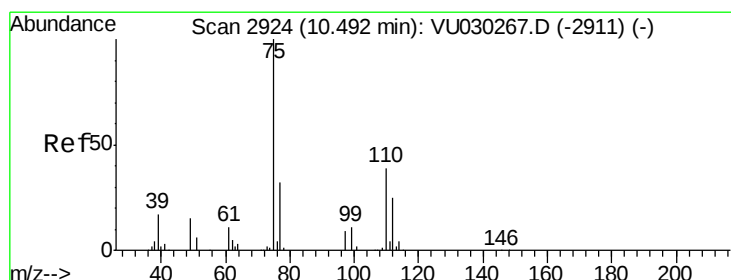
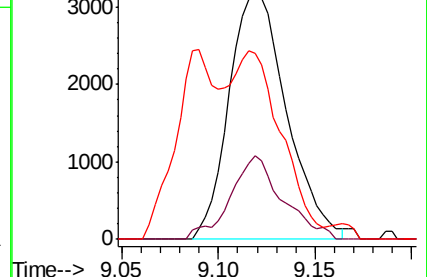
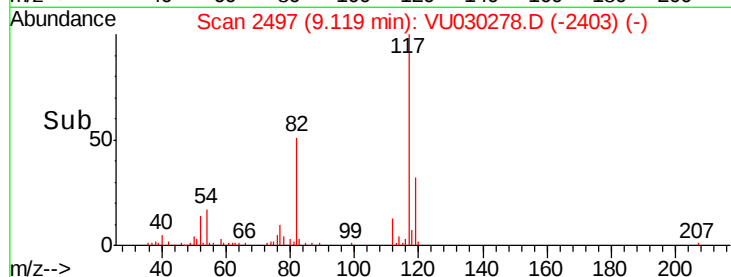
77 76.3 43.4 65.0#



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): VU



#59

1,2,3-Trichloropropane

Concen: 6.243 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030278.D

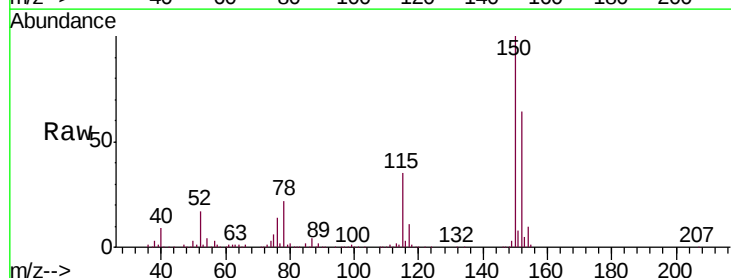
Acq: 21 Mar 2019 20:06

Tgt Ion: 75 Resp: 34784

Ion Ratio Lower Upper

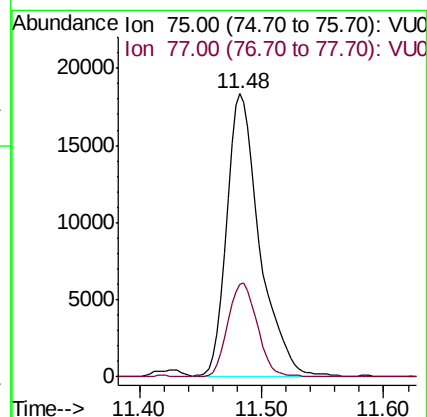
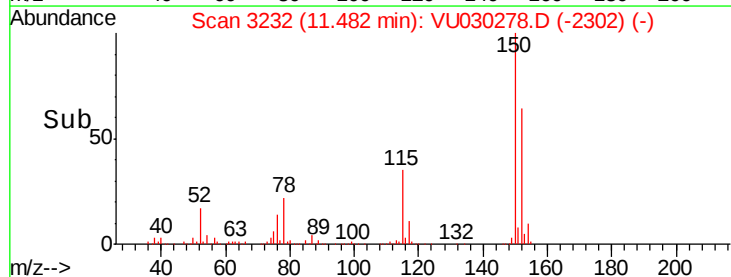
75 100

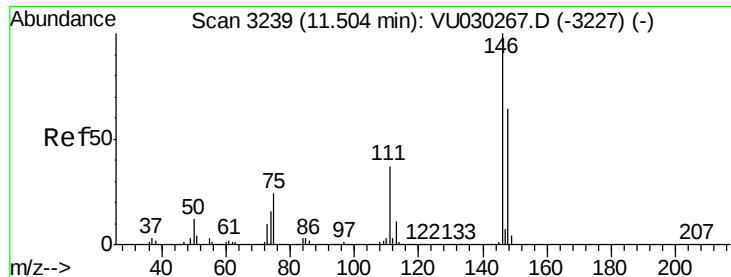
77 29.8 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

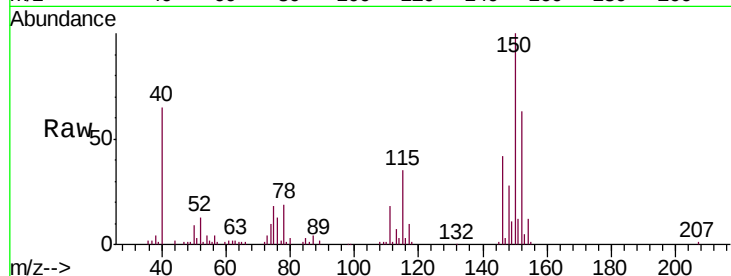




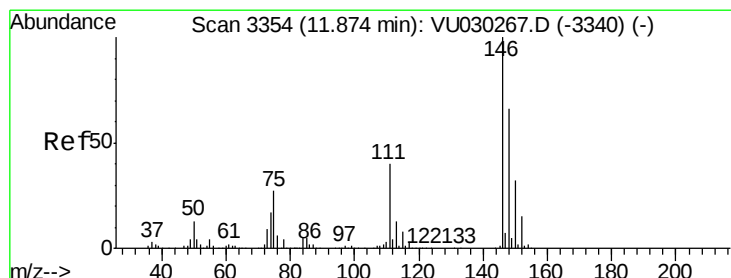
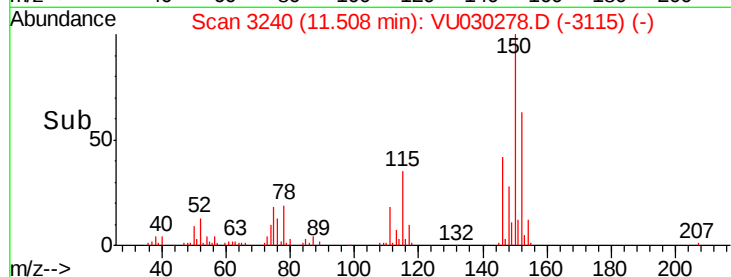
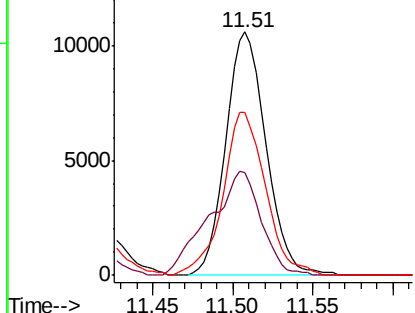
#63
 1,4-Dichlorobenzene
 Concen: 1.879 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030278.D
 Acq: 21 Mar 2019 20:06

Instrument :
 MSVOA_U
 ClientSampled :
 BF0D1

Tgt Ion:146 Resp: 18205
 Ion Ratio Lower Upper
 146 100
 111 42.0 25.3 46.9
 148 66.7 44.7 82.9

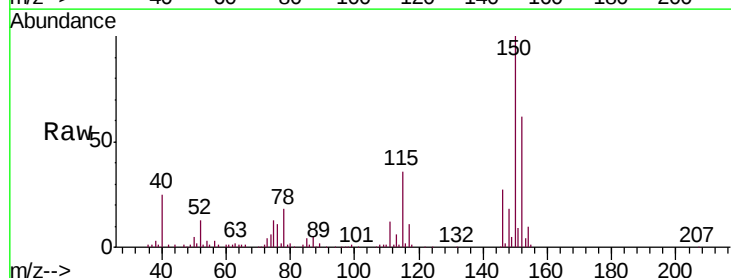


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

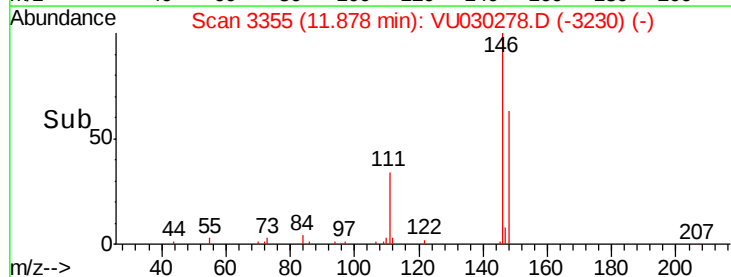
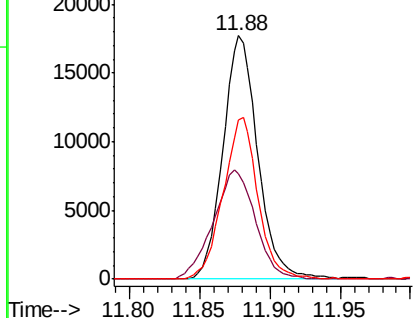


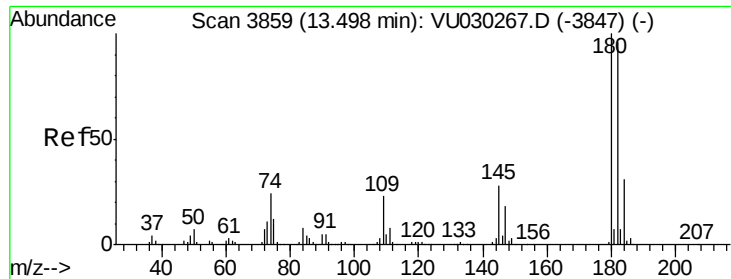
#65
 1,2-Dichlorobenzene
 Concen: 3.194 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030278.D
 Acq: 21 Mar 2019 20:06

Tgt Ion:146 Resp: 30484
 Ion Ratio Lower Upper
 146 100
 111 43.5 31.7 47.5
 148 65.4 52.0 78.0



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

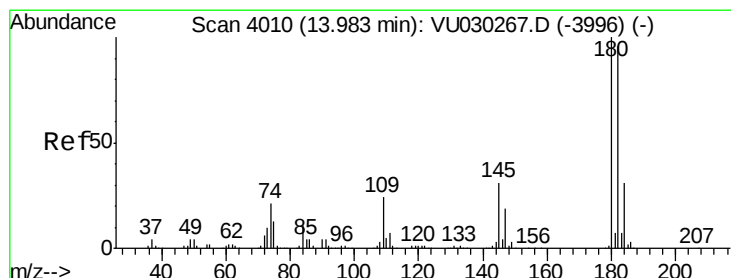
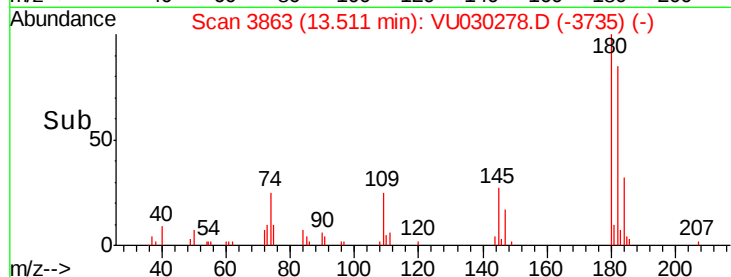
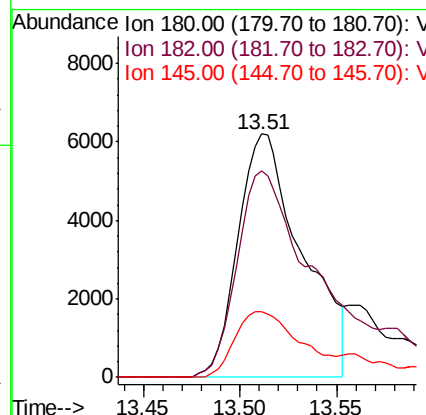
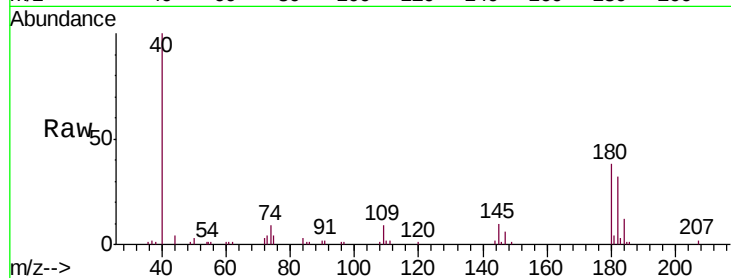




#68
 1,2,4-trichlorobenzene
 Concen: 2.225 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030278.D
 Acq: 21 Mar 2019 20:06

Instrument :
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 ClientSampleId :
 BF0D1

Tgt Ion:180 Resp: 14364
 Ion Ratio Lower Upper
 180 100
 182 71.7 76.4 114.6#
 145 27.6 22.7 34.1



#70
 1,2,3-Trichlorobenzene
 Concen: 0.519 ug/L
 RT: 14.00 min Scan# 4016
 Delta R.T. 0.02 min
 Lab File: VU030278.D
 Acq: 21 Mar 2019 20:06

Tgt Ion:180 Resp: 3496
 Ion Ratio Lower Upper
 180 100
 182 79.5 75.9 113.9
 145 12.2 24.1 36.1#

