

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081319\
 Data File : VU033782.D
 Acq On : 13 Aug 2019 15:36
 Operator : JC/SP
 Sample : VU0813MBL01
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

Quant Time: Aug 14 04:26:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	440956	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	422573	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	196794	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	185437	44.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.56%
7) Chloroethane-d5	1.67	69	175524	45.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.26	63	239663	35.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.08%
21) 2-Butanone-d5	4.15	46	243865	104.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.67%
24) Chloroform-d	4.62	84	291981	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	5.28	65	191875	47.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.78%
32) Benzene-d6	5.32	84	594615	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.24%
36) 1,2-Dichloropropane-d6	6.31	67	191810	49.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.06%
41) Toluene-d8	7.55	98	536914	47.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.12%
43) trans-1,3-Dichloropropene-	7.83	79	91691	49.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.22%
47) 2-Hexanone-d5	8.30	63	176439	112.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.71%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	267925	47.99	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.98%
66) 1,2-Dichlorobenzene-d4	11.84	152	205866	51.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.58%

Target Compounds

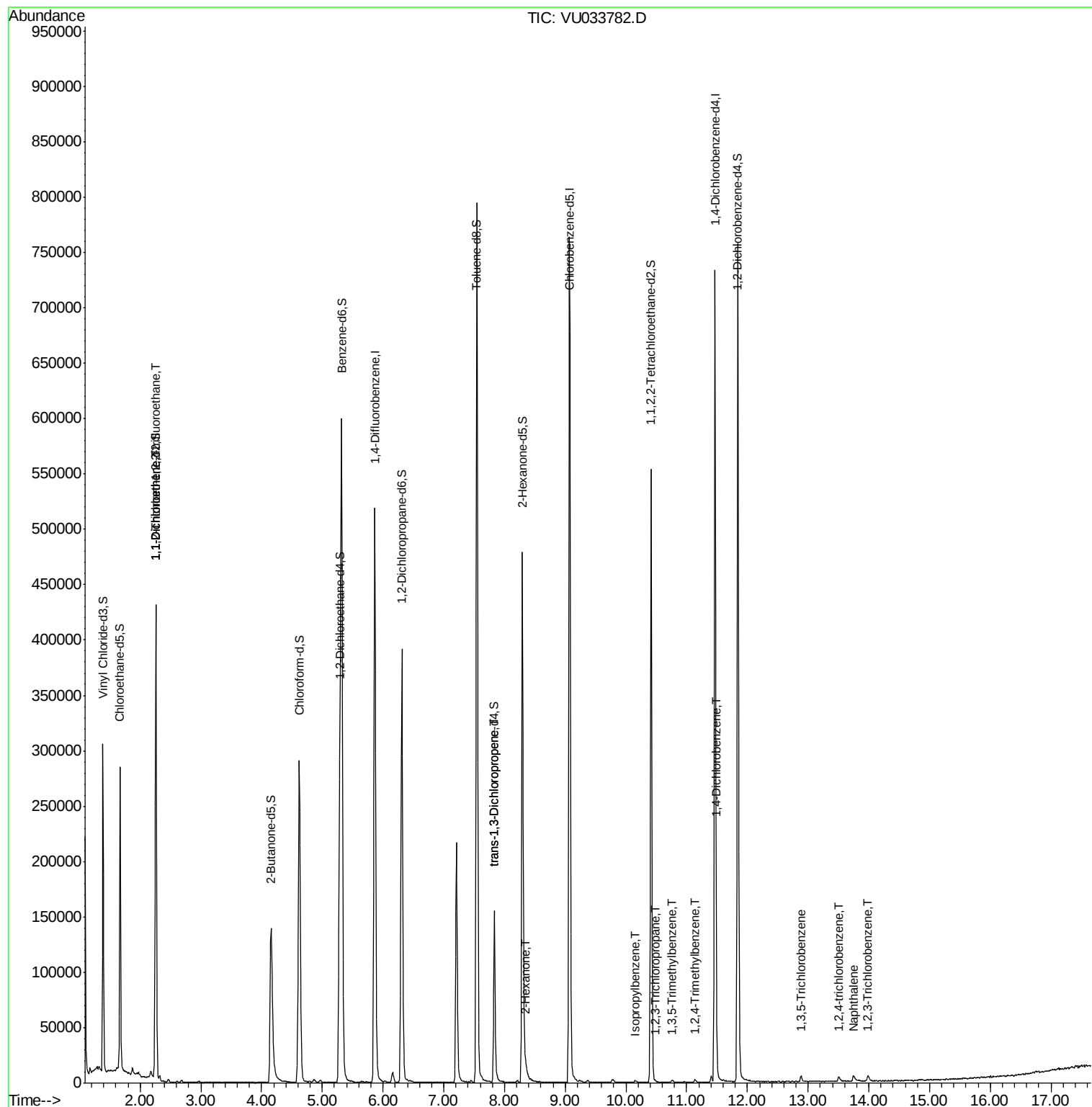
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2506	0.806 ug/L #	22
12) 1,1-Dichloroethene	2.26	96	2204	0.721 ug/L #	1
44) trans-1,3-Dichloropropene	7.83	75	3919	0.827 ug/L	88
48) 2-Hexanone	8.35	43	4459	1.329 ug/L #	49
60) 1,2,3-Trichloropropane	10.48	75	379	0.096 ug/L	93
61) Isopropylbenzene	10.15	105	1841	0.151 ug/L #	83
62) 1,3,5-Trimethylbenzene	10.76	105	991	0.101 ug/L	94
63) 1,2,4-Trimethylbenzene	11.13	105	2080	0.213 ug/L	92
65) 1,4-Dichlorobenzene	11.49	146	3764	0.601 ug/L	85
69) 1,3,5-Trichlorobenzene	12.88	180	3139	0.680 ug/L #	80
70) 1,2,4-trichlorobenzene	13.50	180	1492	0.390 ug/L #	37
71) Naphthalene	13.75	128	5181	0.455 ug/L #	70
72) 1,2,3-Trichlorobenzene	13.98	180	2539	0.633 ug/L #	22

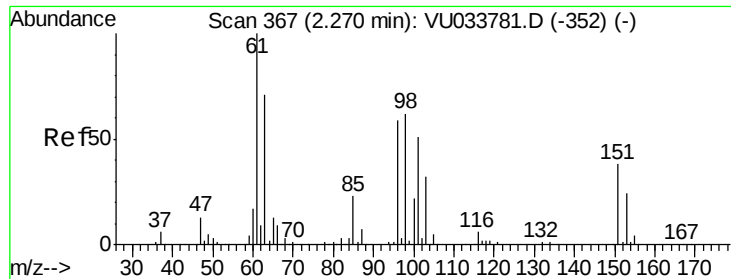
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.806 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033782.D

Acq: 13 Aug 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

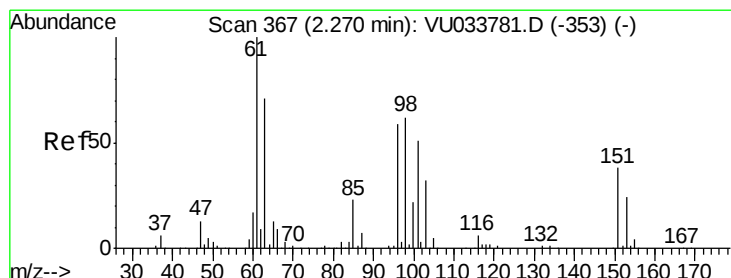
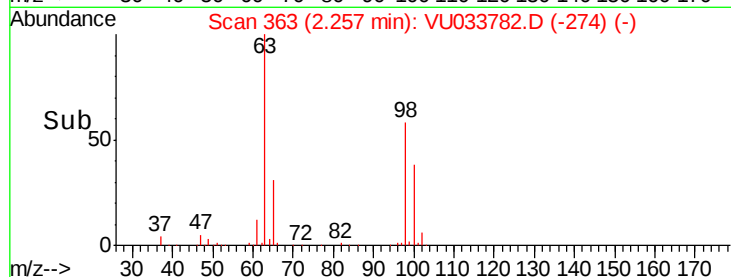
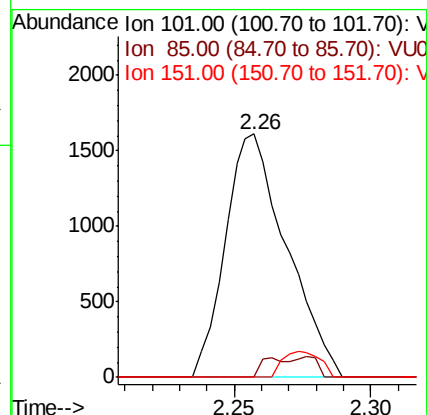
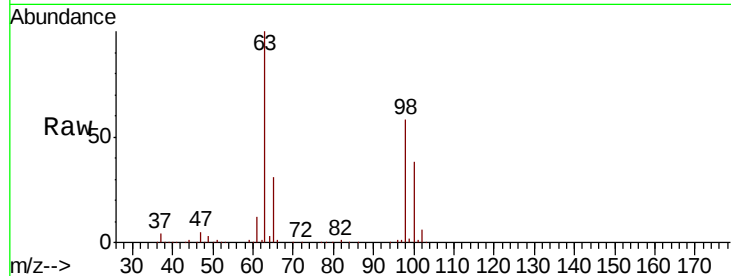
Tgt Ion: 101 Resp: 2506

Ion Ratio Lower Upper

101 100

85 3.5 35.2 52.8#

151 0.0 58.5 87.7#



#12

1,1-Dichloroethene

Concen: 0.721 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033782.D

Acq: 13 Aug 2019 15:36

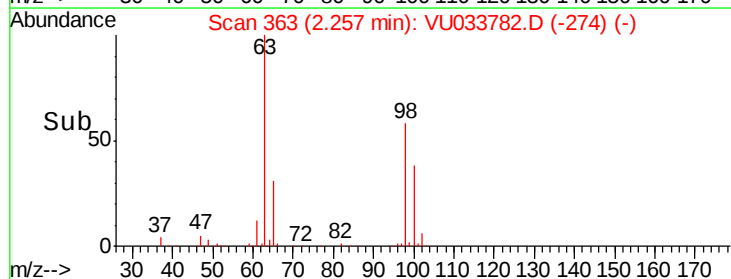
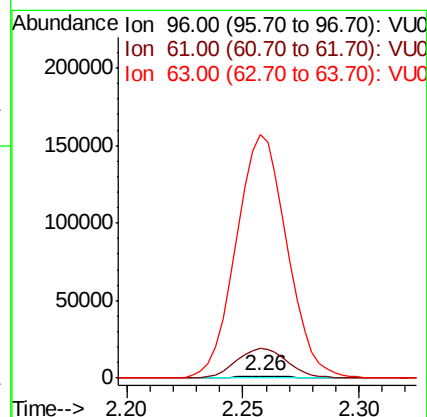
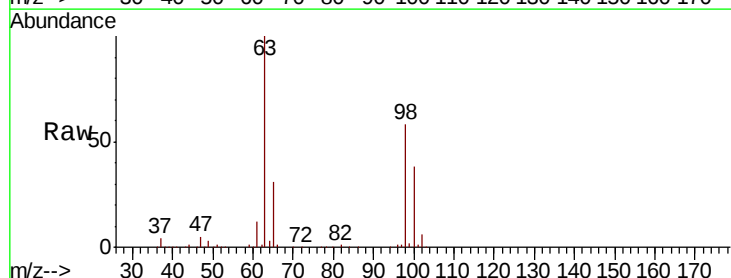
Tgt Ion: 96 Resp: 2204

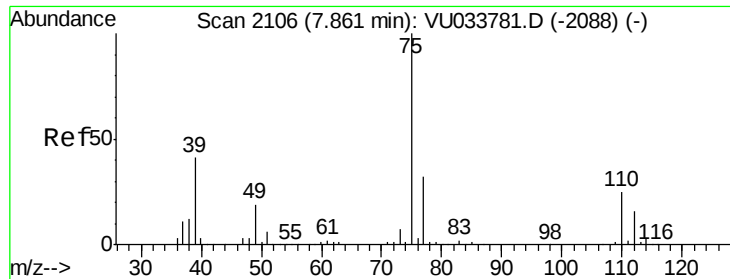
Ion Ratio Lower Upper

96 100

61 1562.2 121.5 225.7#

63 12810.4 92.9 172.5#

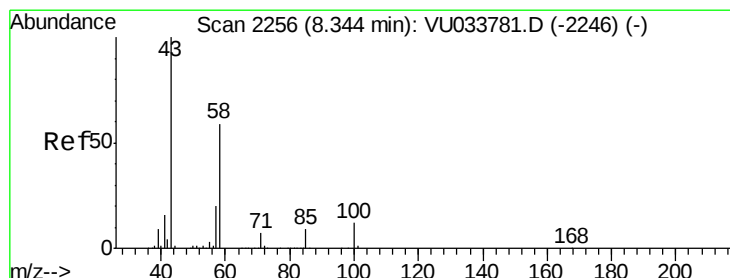
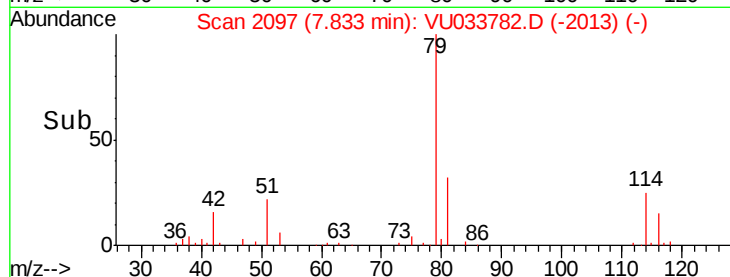
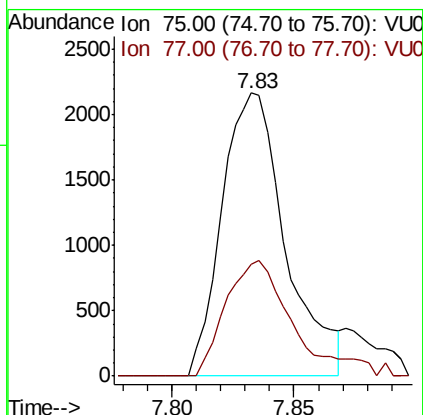
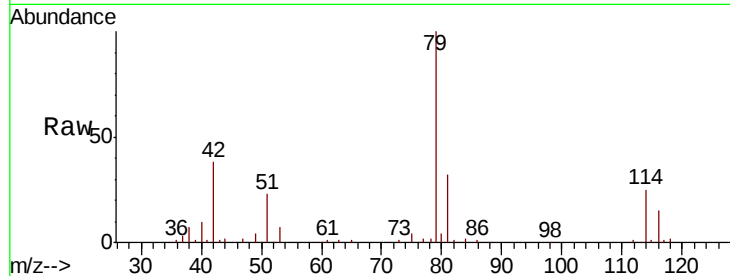




#44
trans-1,3-Dichloropropene
Concen: 0.827 ug/L
RT: 7.83 min Scan# 2097
Delta R.T. -0.03 min
Lab File: VU033782.D
Acq: 13 Aug 2019 15:36

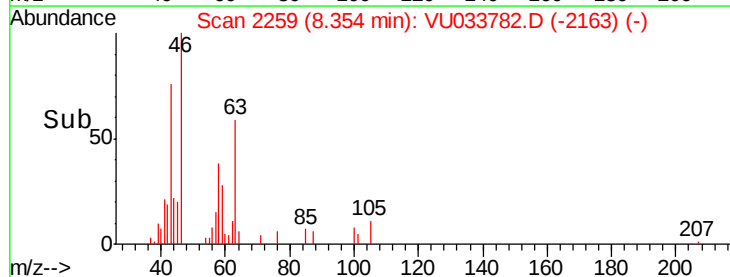
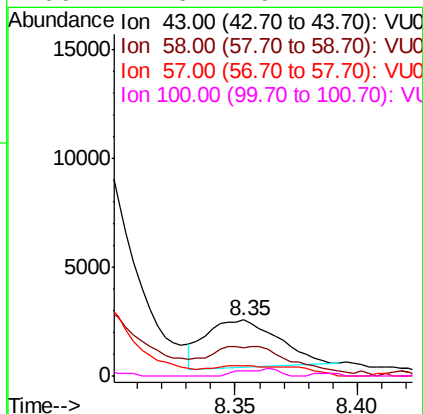
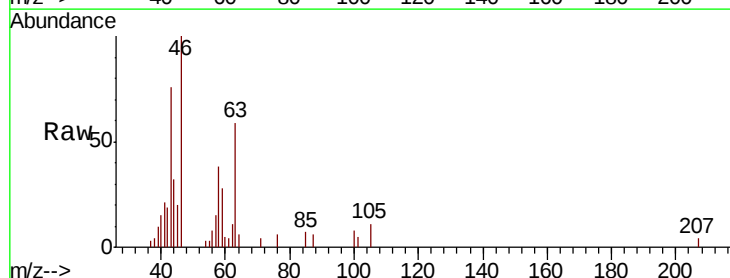
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VBLK52

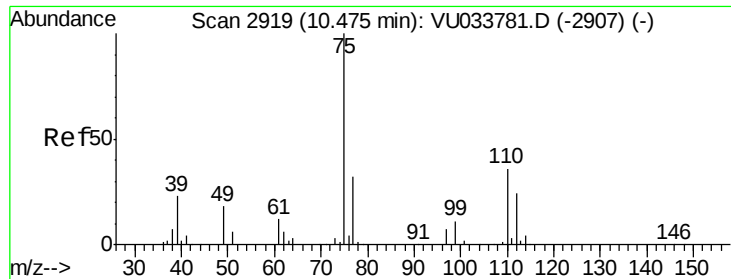
Tgt Ion: 75 Resp: 3919
Ion Ratio Lower Upper
75 100
77 39.4 22.7 42.3



#48
2-Hexanone
Concen: 1.329 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU033782.D
Acq: 13 Aug 2019 15:36

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
58 9.6 45.4 68.0#
57 4.5 15.4 23.0#
100 4.6 9.4 14.2#

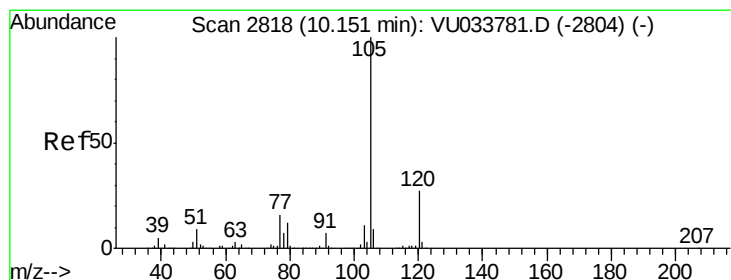
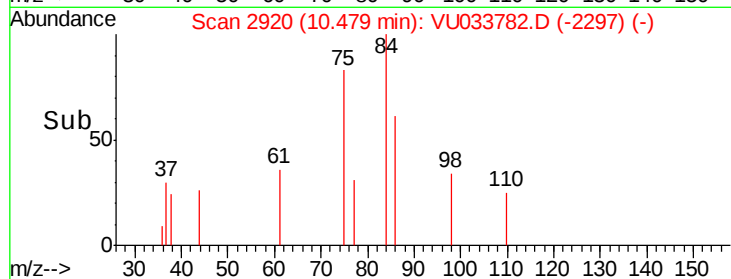
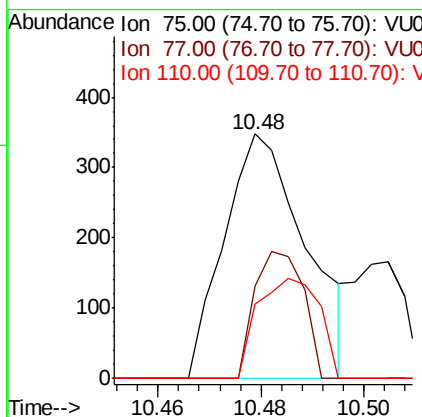
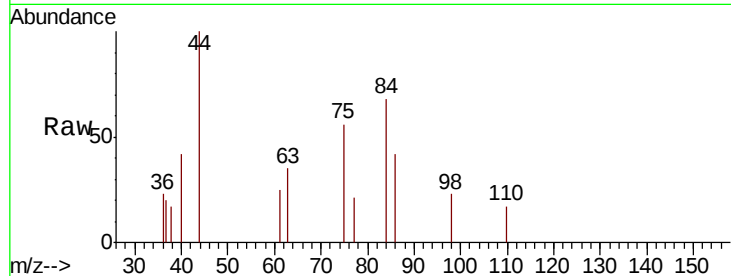




#60
 1,2,3-Trichloropropane
 Concen: 0.096 ug/L
 RT: 10.48 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

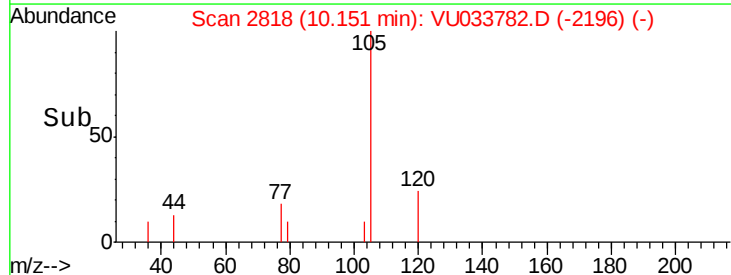
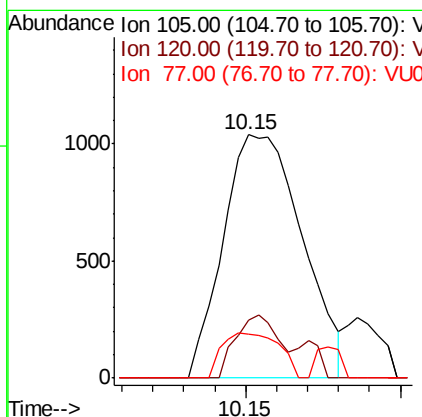
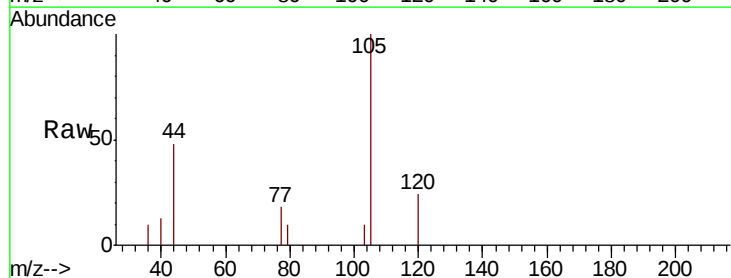
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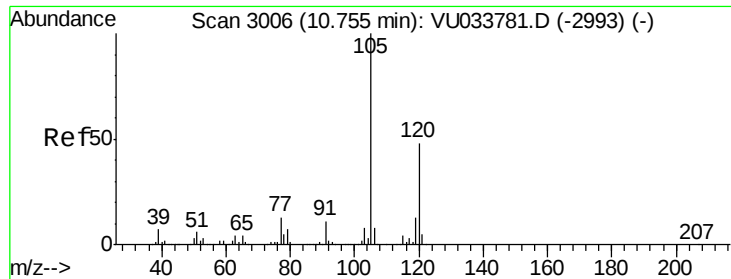
Tgt Ion: 75 Resp: 379
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.6 38.4
 110 30.6 29.7 44.5



#61
 Isopropylbenzene
 Concen: 0.151 ug/L
 RT: 10.15 min Scan# 2818
 Delta R.T. 0.00 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

Tgt Ion: 105 Resp: 1841
 Ion Ratio Lower Upper
 105 100
 120 14.2 21.0 31.6#
 77 13.4 12.8 19.2

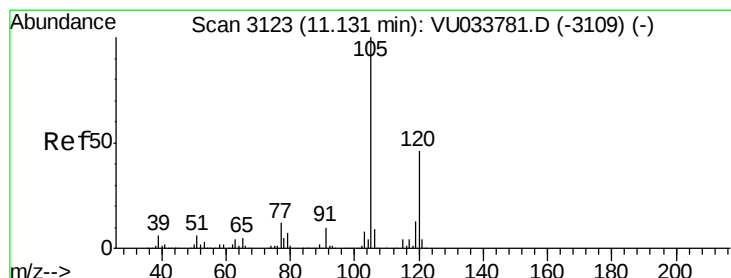
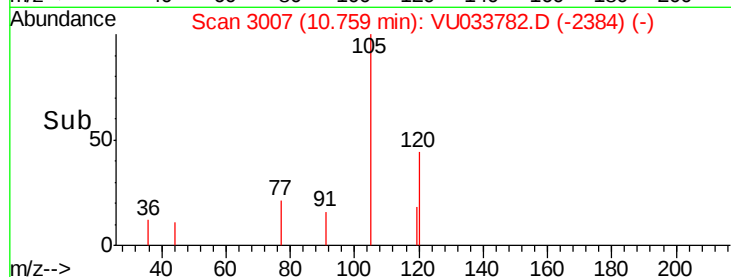
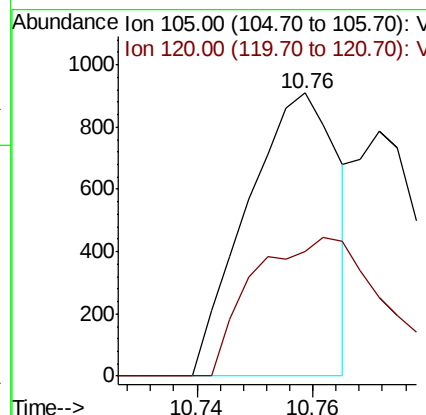
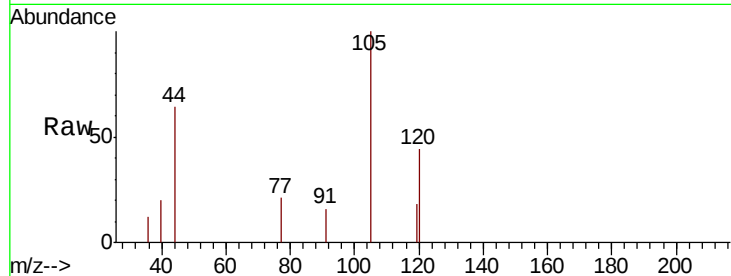




#62
 1,3,5-Trimethylbenzene
 Concen: 0.101 ug/L
 RT: 10.76 min Scan# 3007
 Delta R.T. 0.00 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

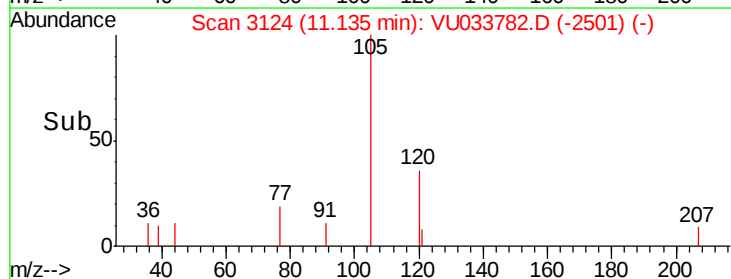
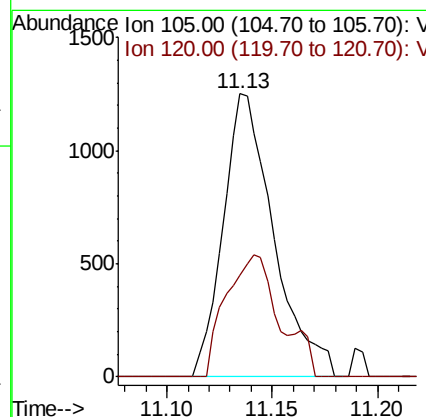
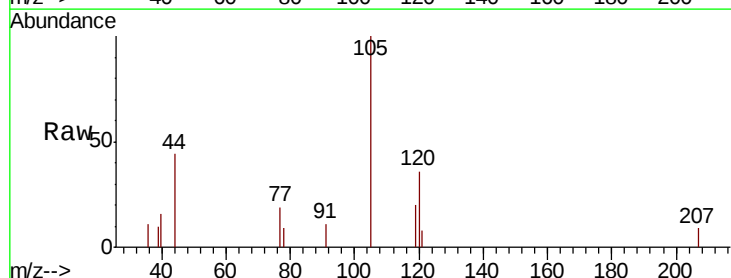
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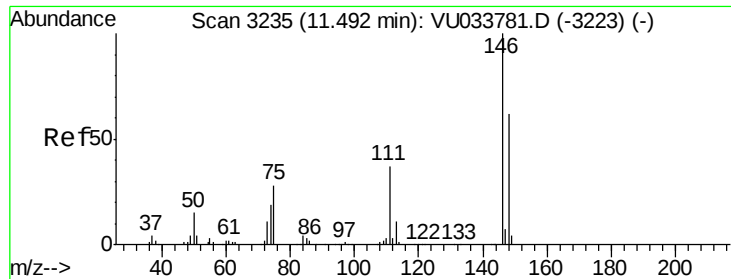
Tgt Ion:105 Resp: 991
 Ion Ratio Lower Upper
 105 100
 120 45.0 39.4 59.2



#63
 1,2,4-Trimethylbenzene
 Concen: 0.213 ug/L
 RT: 11.13 min Scan# 3124
 Delta R.T. 0.00 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

Tgt Ion:105 Resp: 2080
 Ion Ratio Lower Upper
 105 100
 120 40.6 36.6 55.0

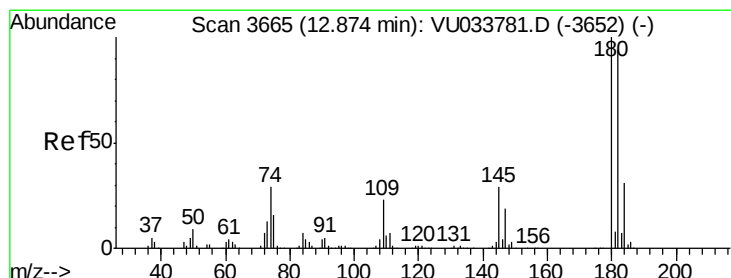
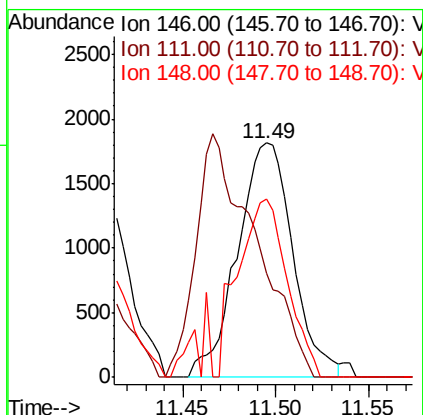
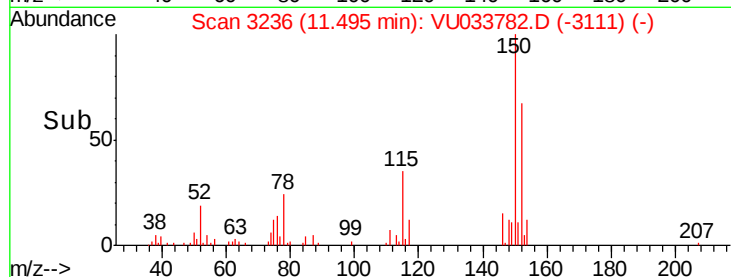
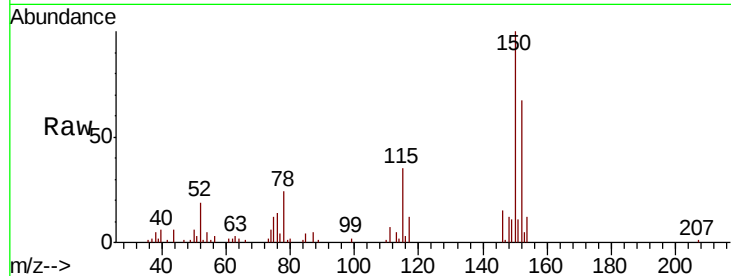




#65
 1,4-Dichlorobenzene
 Concen: 0.601 ug/L
 RT: 11.49 min Scan# 3236
 Delta R.T. 0.00 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

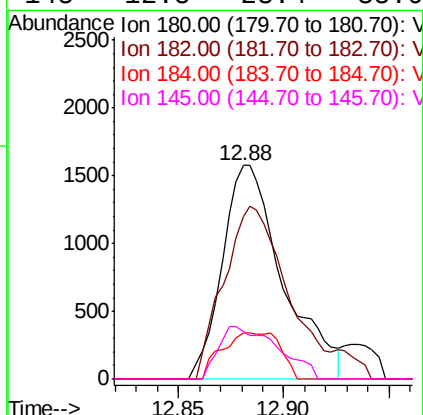
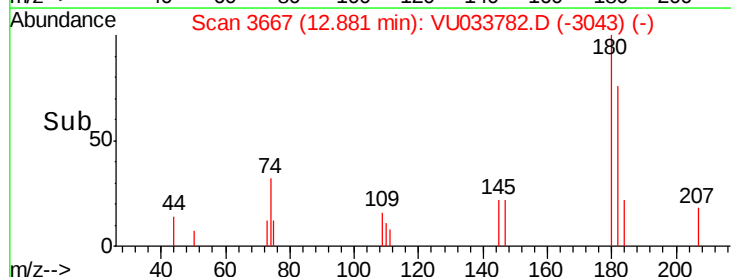
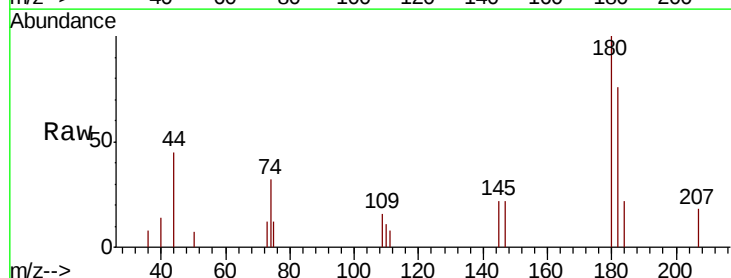
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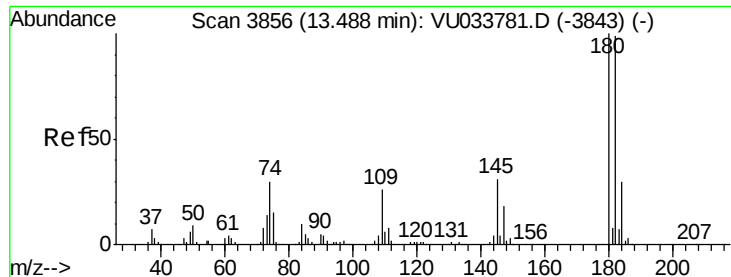
Tgt Ion:146 Resp: 3764
 Ion Ratio Lower Upper
 146 100
 111 44.3 26.5 49.3
 148 76.0 43.9 81.5



#69
 1,3,5-Trichlorobenzene
 Concen: 0.680 ug/L
 RT: 12.88 min Scan# 3667
 Delta R.T. 0.01 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

Tgt Ion:180 Resp: 3139
 Ion Ratio Lower Upper
 180 100
 182 84.5 77.2 115.8
 184 13.1 24.5 36.7#
 145 12.5 23.4 35.0#





#70

1,2,4-trichlorobenzene

Concen: 0.390 ug/L

RT: 13.50 min Scan# 3861

Delta R.T. 0.02 min

Lab File: VU033782.D

Acq: 13 Aug 2019 15:36

Instrument :

MSVOA_U

ClientSampleId :

VBLK52

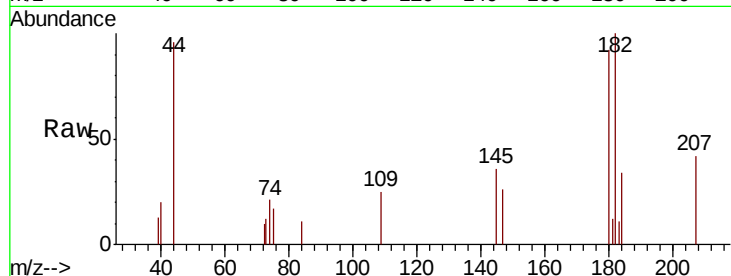
Tgt Ion:180 Resp: 1492

Ion Ratio Lower Upper

180 100

182 172.3 75.3 112.9#

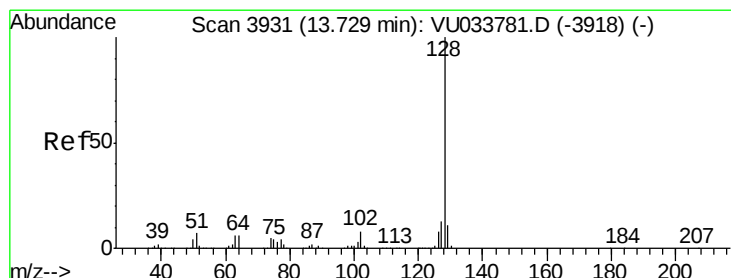
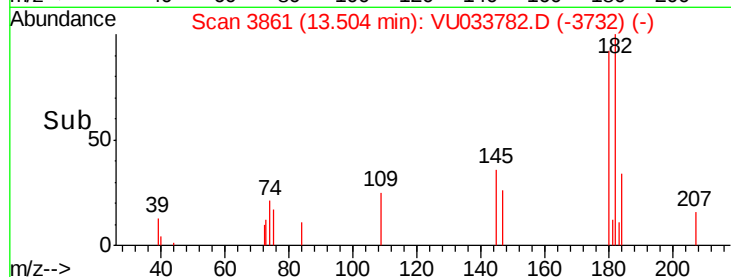
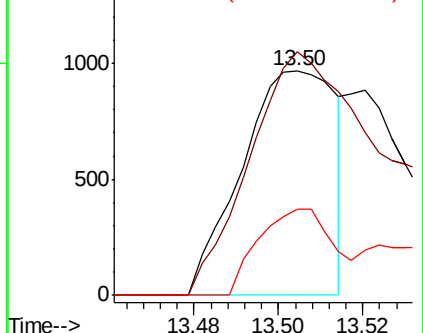
145 30.8 23.3 34.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 0.455 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.02 min

Lab File: VU033782.D

Acq: 13 Aug 2019 15:36

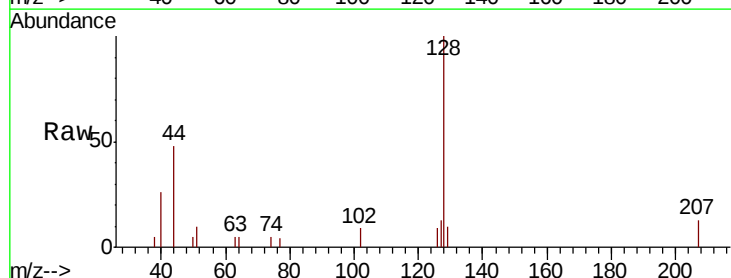
Tgt Ion:128 Resp: 5181

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

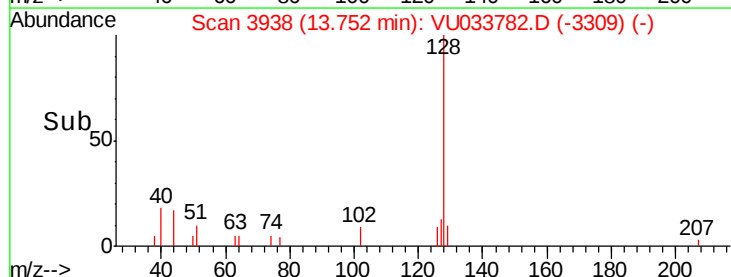
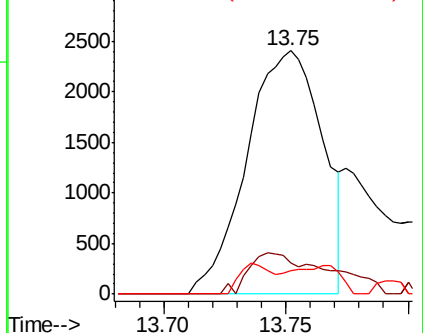
129 1.0 8.5 12.7#

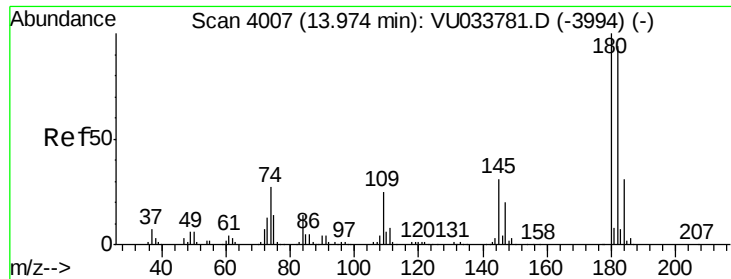


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72
 1,2,3-Trichlorobenzene
 Concen: 0.633 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.01 min
 Lab File: VU033782.D
 Acq: 13 Aug 2019 15:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK52

Tgt Ion:180 Resp: 2539
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.1 115.7#
 145 22.9 24.6 36.8#

