

Data File : VU030268.D
Acq On : 21 Mar 2019 16:14
Operator : JC/SP
Sample : VU0321MBL02
Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK46

Quant Time: Mar 22 05:17:22 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	550466	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	537508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	253514	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	171623	46.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.22%
7) Chloroethane-d5	1.68	69	145483	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.76%
11) 1,1-Dichloroethene-d2	2.27	63	239323	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.48%
21) 2-Butanone-d5	4.17	46	276946	100.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.29%
24) Chloroform-d	4.64	84	321788	47.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.22%
26) 1,2-Dichloroethane-d4	5.31	65	194610	49.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.90%
32) Benzene-d6	5.34	84	694938	49.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.12%
36) 1,2-Dichloropropane-d6	6.33	67	219754	50.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.28%
41) Toluene-d8	7.56	98	625331	46.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.90%
43) trans-1,3-Dichloropropene-	7.85	79	99960	46.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.68%
47) 2-Hexanone-d5	8.31	63	221438	97.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	322217	47.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.86%
64) 1,2-Dichlorobenzene-d4	11.86	152	256253	50.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.70%

Target Compounds

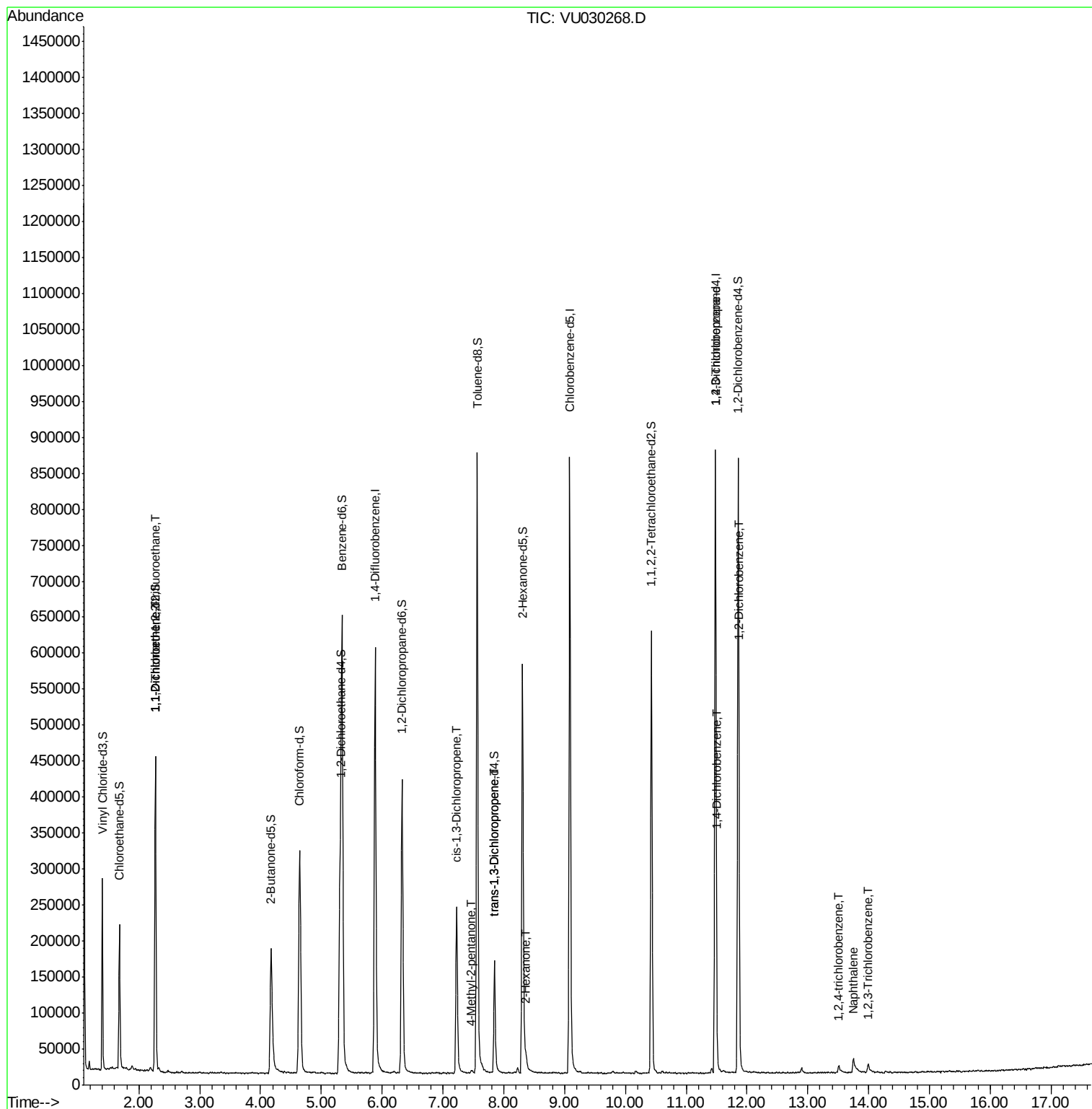
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2593	0.701	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	2517	0.685	ug/L #	1
39) cis-1,3-Dichloropropene	7.22	75	5089	0.799	ug/L #	59
40) 4-Methyl-2-pentanone	7.47	43	3243	0.594	ug/L #	84
44) trans-1,3-Dichloropropene	7.85	75	3714	0.674	ug/L	89
48) 2-Hexanone	8.36	43	8571	1.892	ug/L #	79
59) 1,2,3-Trichloropropane	11.48	75	26741	4.982	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	6369	0.759	ug/L #	92
65) 1,2-Dichlorobenzene	11.88	146	5477	0.663	ug/L #	91
68) 1,2,4-trichlorobenzene	13.51	180	5540	0.991	ug/L #	96
69) Naphthalene	13.75	128	31347	1.768	ug/L #	89
70) 1,2,3-Trichlorobenzene	14.00	180	5522	0.947	ug/L #	88

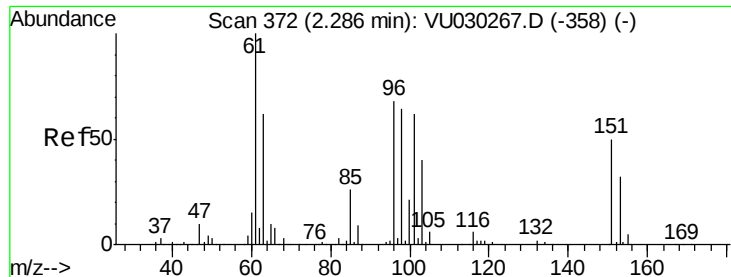
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.701 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

Instrument :

MSVOA_U

ClientSampleId :

VBLK46

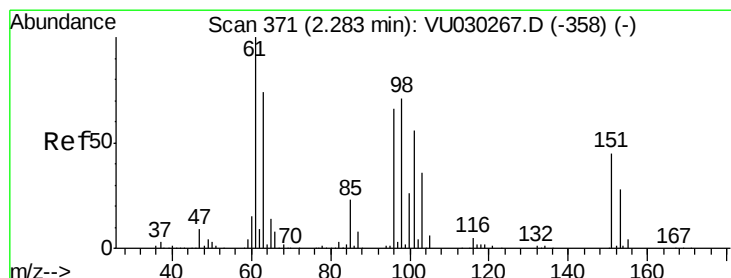
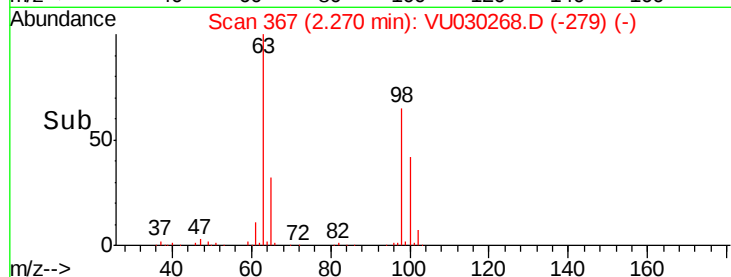
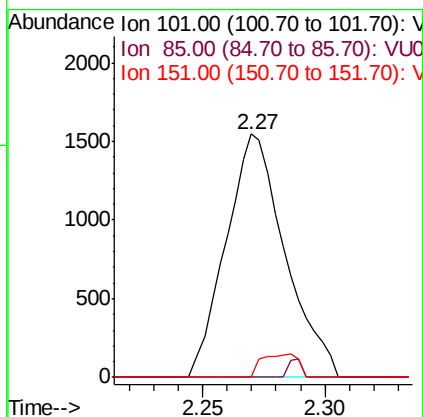
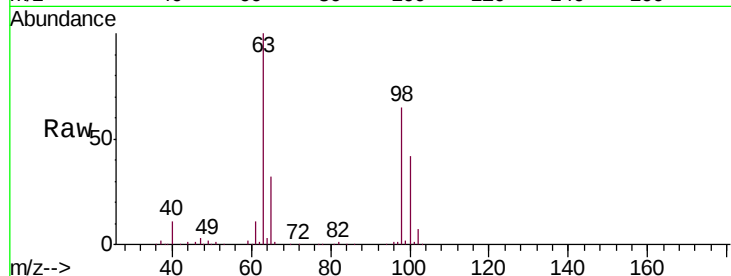
Tgt Ion: 101 Resp: 2593

Ion Ratio Lower Upper

101 100

85 1.7 32.5 48.7#

151 2.9 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 0.685 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

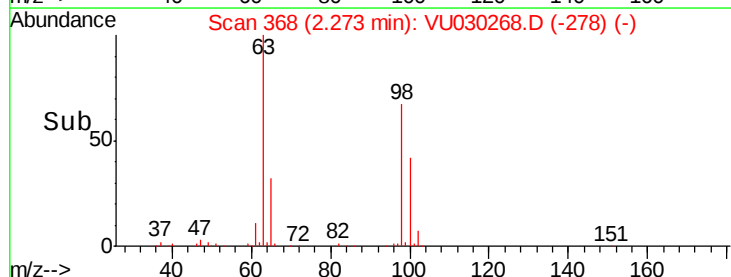
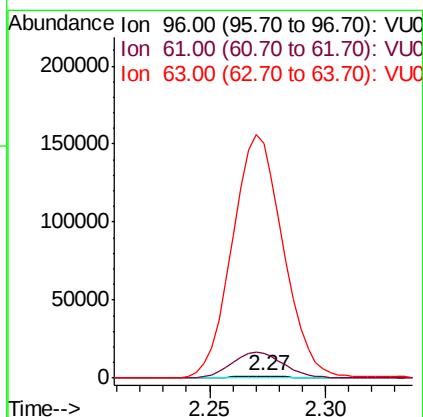
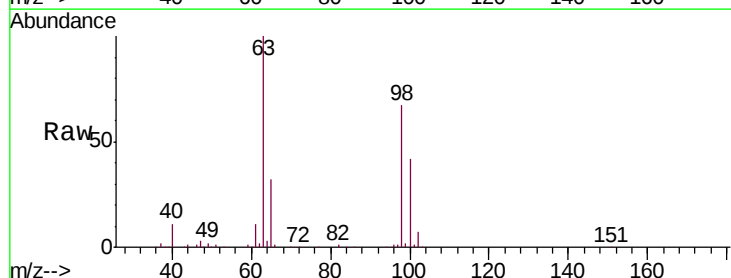
Tgt Ion: 96 Resp: 2517

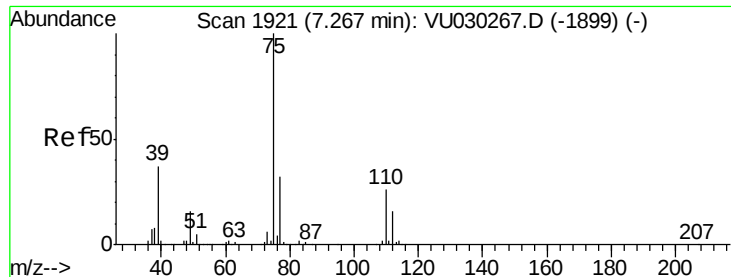
Ion Ratio Lower Upper

96 100

61 1094.6 104.6 194.2#

63 10223.4 77.2 143.4#

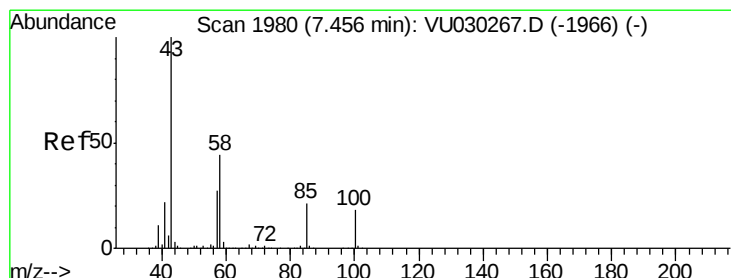
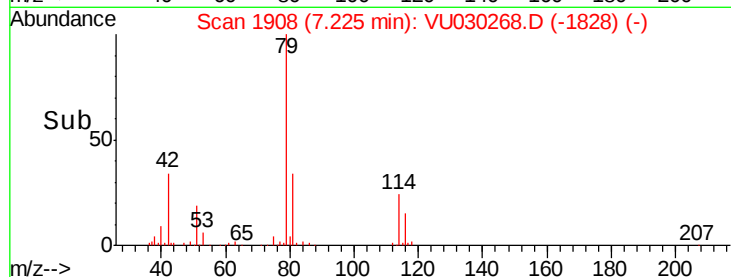
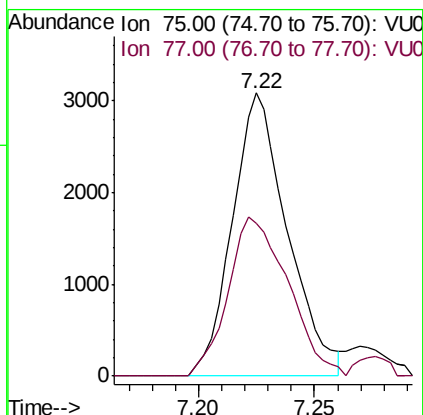
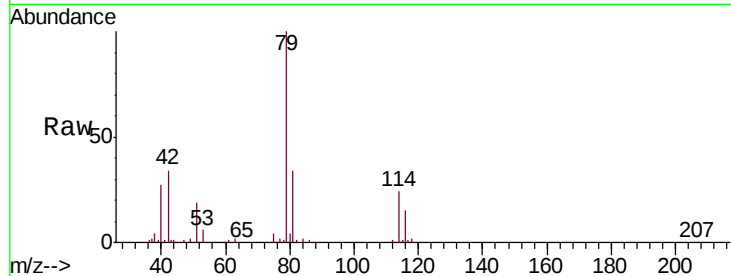




#39
 cis-1,3-Dichloropropene
 Concen: 0.799 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030268.D
 Acq: 21 Mar 2019 16:14

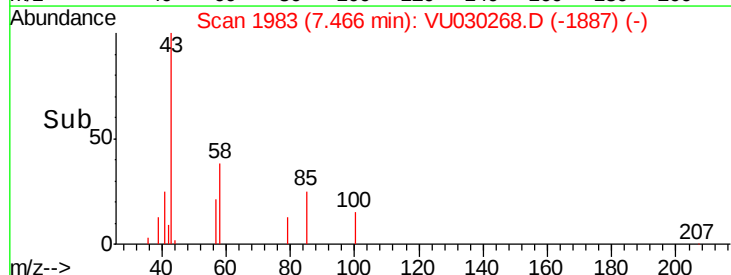
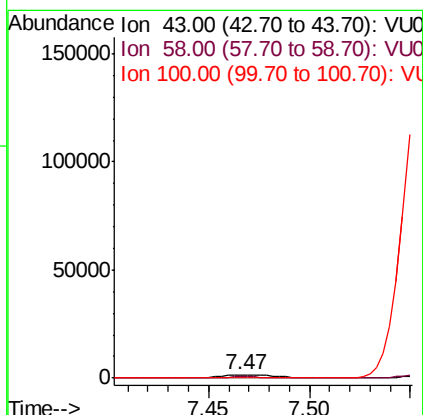
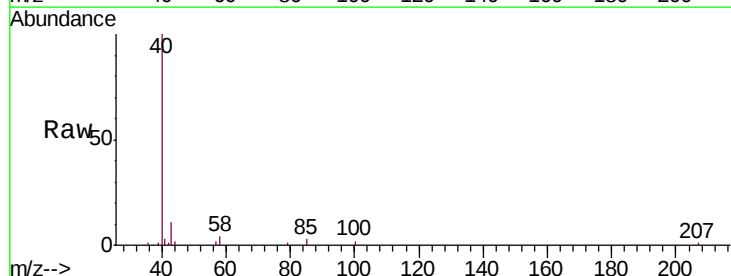
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK46

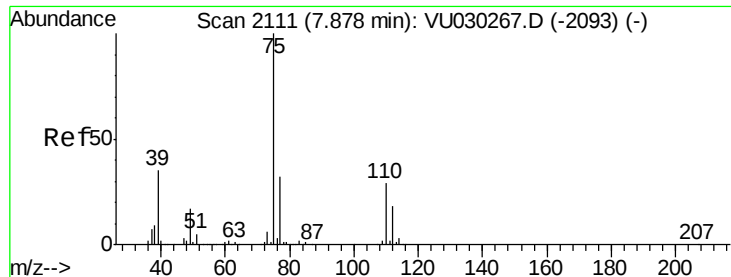
Tgt Ion: 75 Resp: 5089
 Ion Ratio Lower Upper
 75 100
 77 54.2 22.1 41.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.594 ug/L
 RT: 7.47 min Scan# 1983
 Delta R.T. 0.01 min
 Lab File: VU030268.D
 Acq: 21 Mar 2019 16:14

Tgt Ion: 43 Resp: 3243
 Ion Ratio Lower Upper
 43 100
 58 35.7 34.4 51.6
 100 5.6 13.9 20.9#

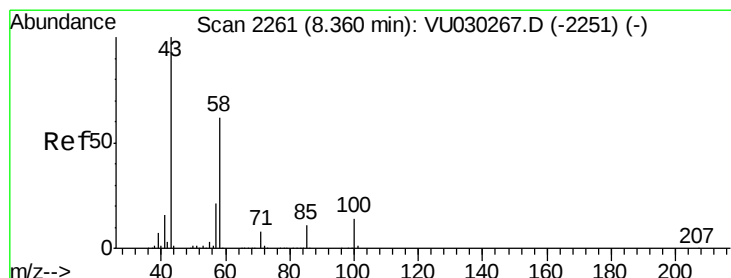
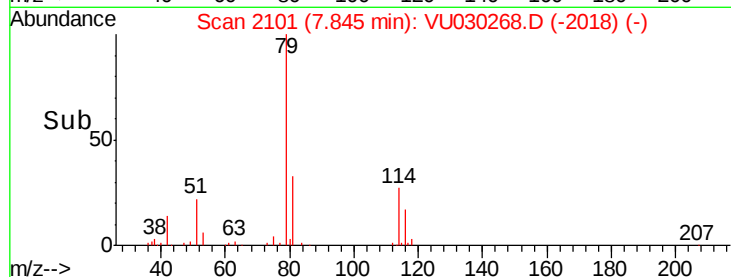
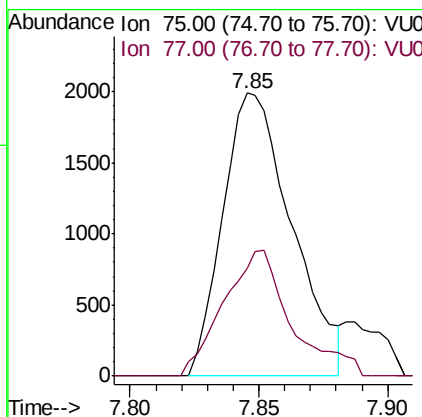
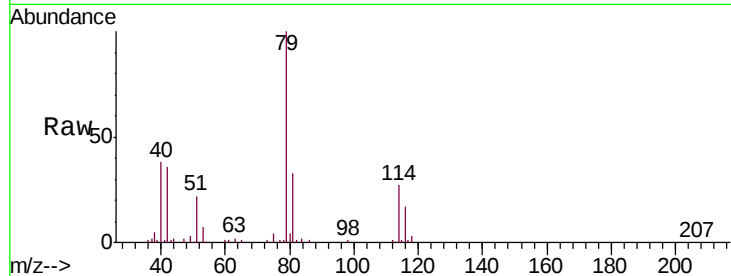




#44
trans-1,3-Dichloropropene
Concen: 0.674 ug/L
RT: 7.85 min Scan# 2101
Delta R.T. -0.03 min
Lab File: VU030268.D
Acq: 21 Mar 2019 16:14

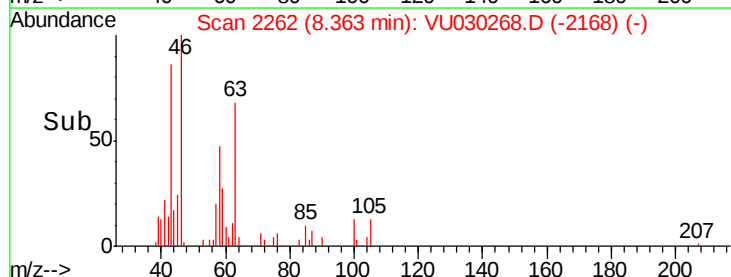
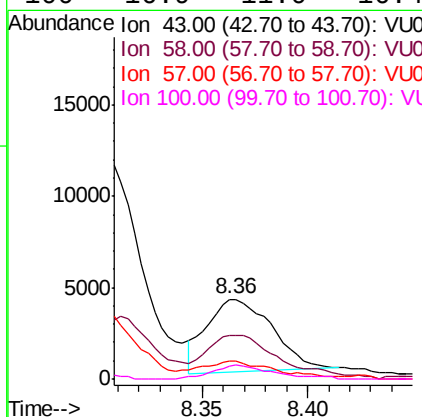
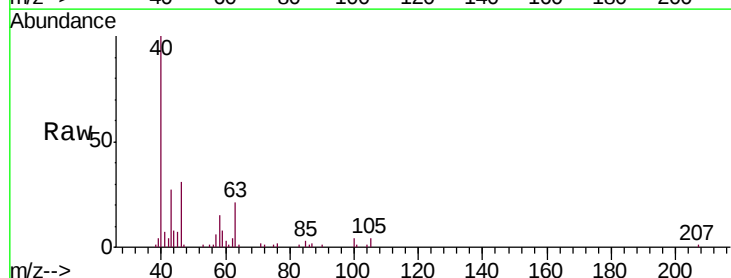
Instrument :
MSVOA_U
ClientSampleId :
VBLK46

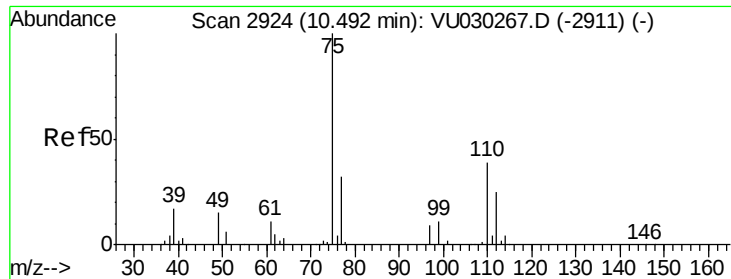
Tgt Ion: 75 Resp: 3714
Ion Ratio Lower Upper
75 100
77 38.3 22.7 42.1



#48
2-Hexanone
Concen: 1.892 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU030268.D
Acq: 21 Mar 2019 16:14

Tgt Ion: 43 Resp: 8571
Ion Ratio Lower Upper
43 100
58 44.6 49.3 73.9#
57 8.7 17.0 25.4#
100 16.9 11.0 16.4#





#59

1,2,3-Trichloropropane

Concen: 4.982 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

Instrument :

MSVOA_U

ClientSampleId :

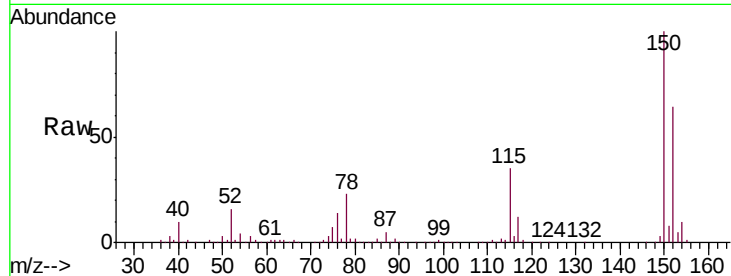
VBLK46

Tgt Ion: 75 Resp: 26741

Ion Ratio Lower Upper

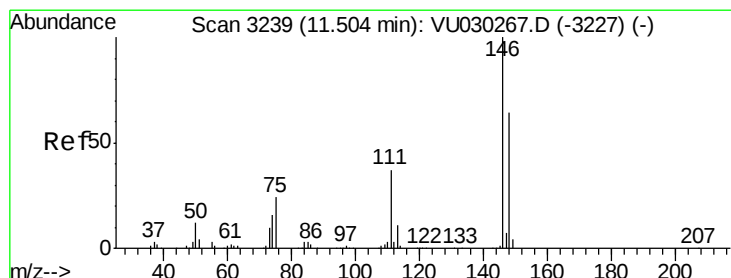
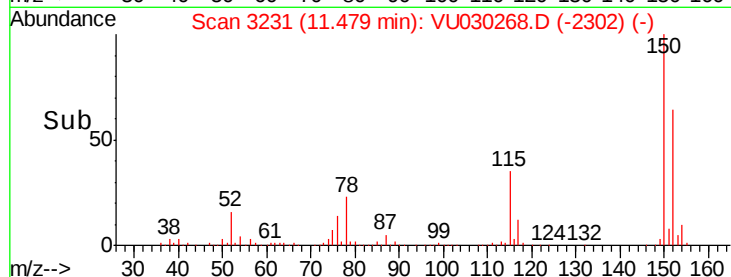
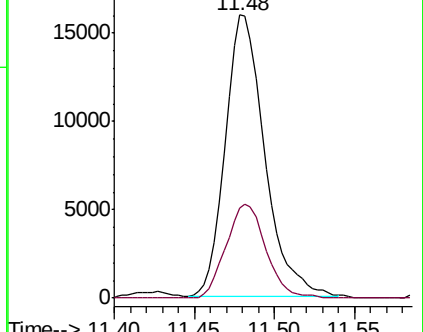
75 100

77 33.7 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU030267.D (-2911) (-)

Ion 77.00 (76.70 to 77.70): VU030267.D (-2911) (-)



#63

1,4-Dichlorobenzene

Concen: 0.759 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

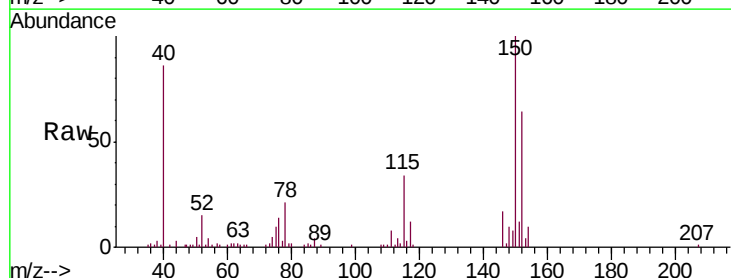
Tgt Ion: 146 Resp: 6369

Ion Ratio Lower Upper

146 100

111 47.3 25.3 46.9#

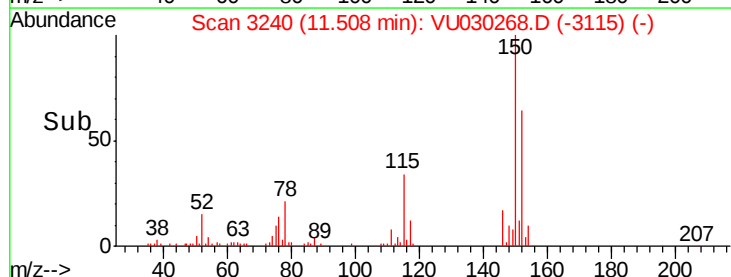
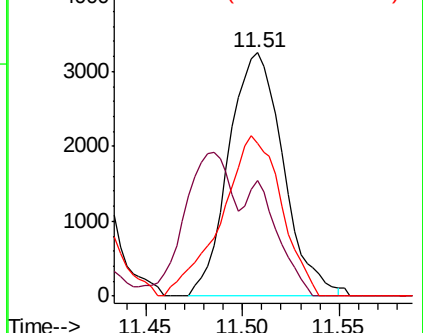
148 62.7 44.7 82.9

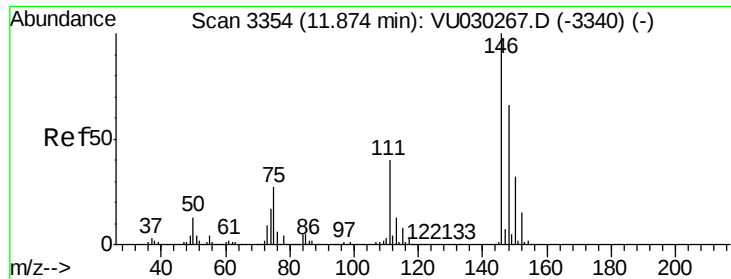


Abundance Ion 146.00 (145.70 to 146.70): VU030267.D (-3227) (-)

Ion 111.00 (110.70 to 111.70): VU030267.D (-3227) (-)

Ion 148.00 (147.70 to 148.70): VU030267.D (-3227) (-)

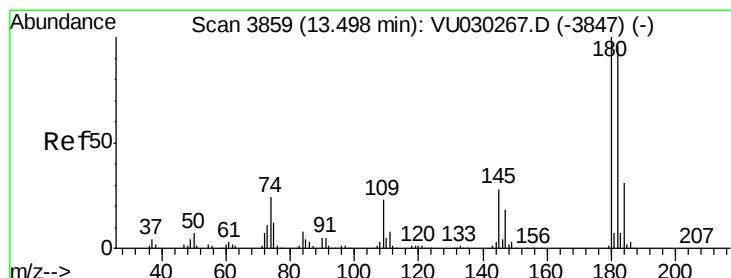
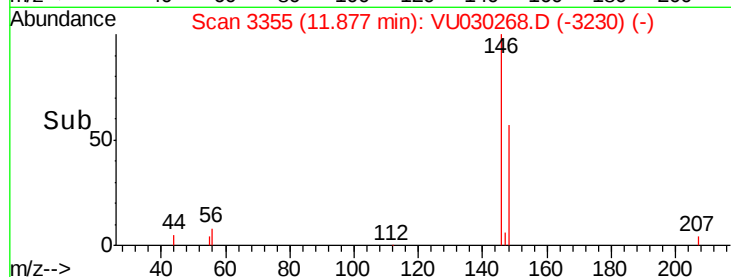
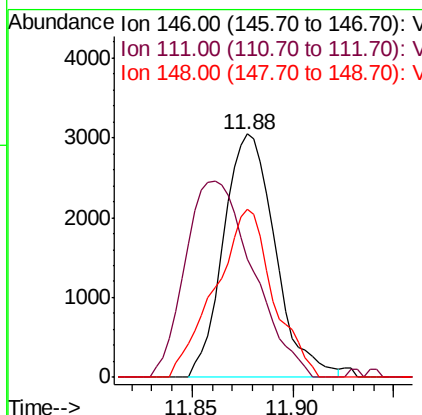
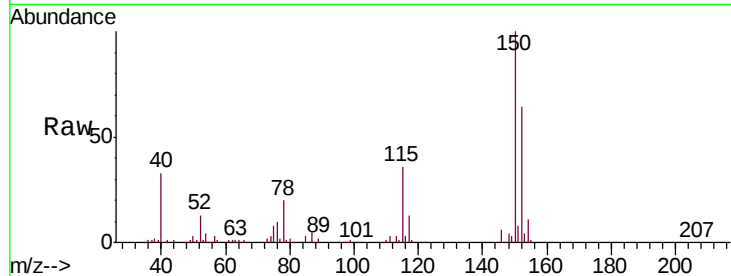




#65
 1,2-Dichlorobenzene
 Concen: 0.663 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030268.D
 Acq: 21 Mar 2019 16:14

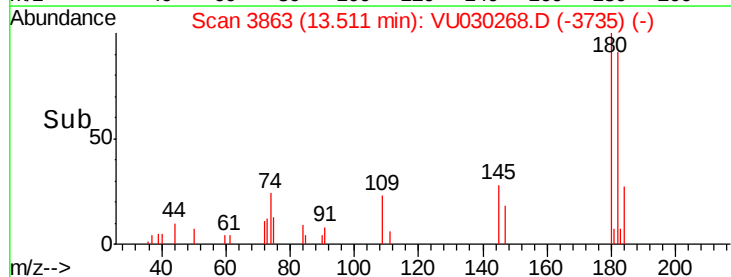
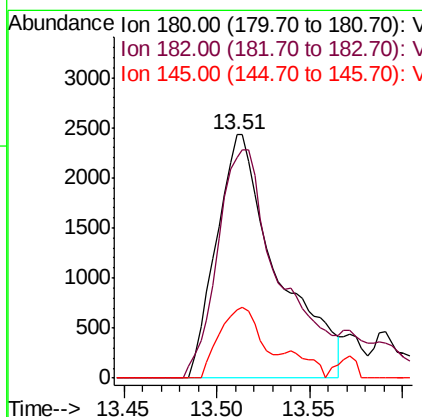
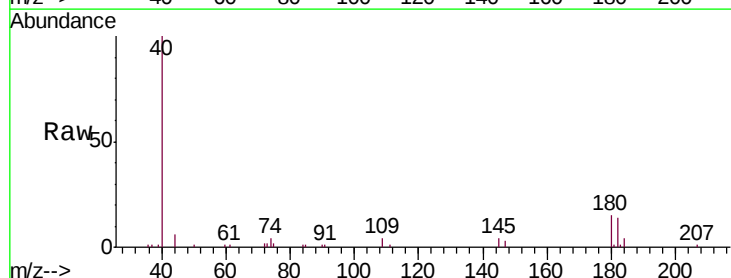
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 VBLK46

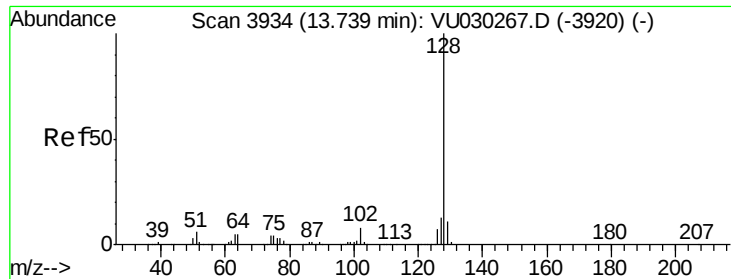
Tgt Ion:146 Resp: 5477
 Ion Ratio Lower Upper
 146 100
 111 48.5 31.7 47.5#
 148 69.0 52.0 78.0



#68
 1,2,4-trichlorobenzene
 Concen: 0.991 ug/L
 RT: 13.51 min Scan# 3863
 Delta R.T. 0.01 min
 Lab File: VU030268.D
 Acq: 21 Mar 2019 16:14

Tgt Ion:180 Resp: 5540
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.4 114.6
 145 20.1 22.7 34.1#





#69

Naphthalene

Concen: 1.768 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.01 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

Instrument :

MSVOA_U

ClientSampled :

VBLK46

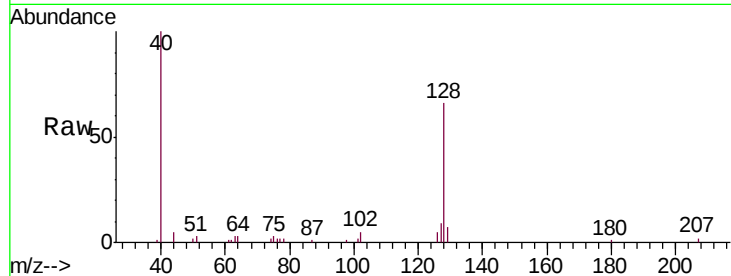
Tgt Ion:128 Resp: 31347

Ion Ratio Lower Upper

128 100

127 7.8 10.2 15.2#

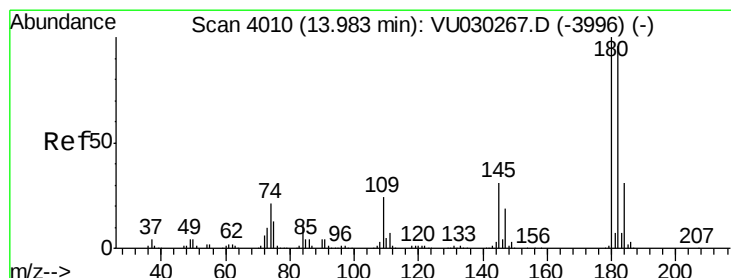
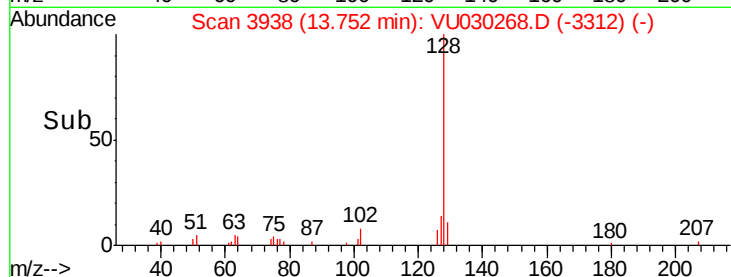
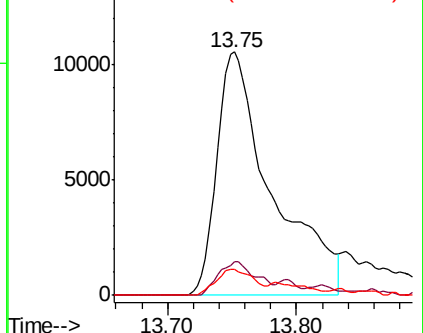
129 7.1 8.5 12.7#



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



#70

1,2,3-Trichlorobenzene

Concen: 0.947 ug/L

RT: 14.00 min Scan# 4015

Delta R.T. 0.02 min

Lab File: VU030268.D

Acq: 21 Mar 2019 16:14

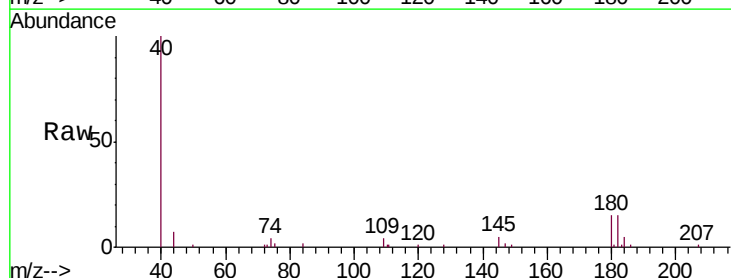
Tgt Ion:180 Resp: 5522

Ion Ratio Lower Upper

180 100

182 100.5 75.9 113.9

145 14.0 24.1 36.1#



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

