

Data File : VU030279.D
Acq On : 21 Mar 2019 20:29
Operator : JC/SP
Sample : K1988-21
Misc : 5.79g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D3ME

Quant Time: Mar 22 05:19:35 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	536202	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	537931	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	272682	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	127760	35.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.48%
7) Chloroethane-d5	1.71	69	121	0.04	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.33	63	133	0.02	ug/L	0.06
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.04%#
21) 2-Butanone-d5	4.19	46	277323	103.10	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.10%
24) Chloroform-d	4.64	84	288358	43.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	5.30	65	178850	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
32) Benzene-d6	5.33	84	606142	42.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.52%
36) 1,2-Dichloropropane-d6	6.32	67	199918	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.16%
41) Toluene-d8	7.56	98	529634	39.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.48%#
43) trans-1,3-Dichloropropene-	7.85	79	89292	41.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.62%
47) 2-Hexanone-d5	8.32	63	249077	109.51	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	358549	53.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	258085	47.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.28%

Target Compounds

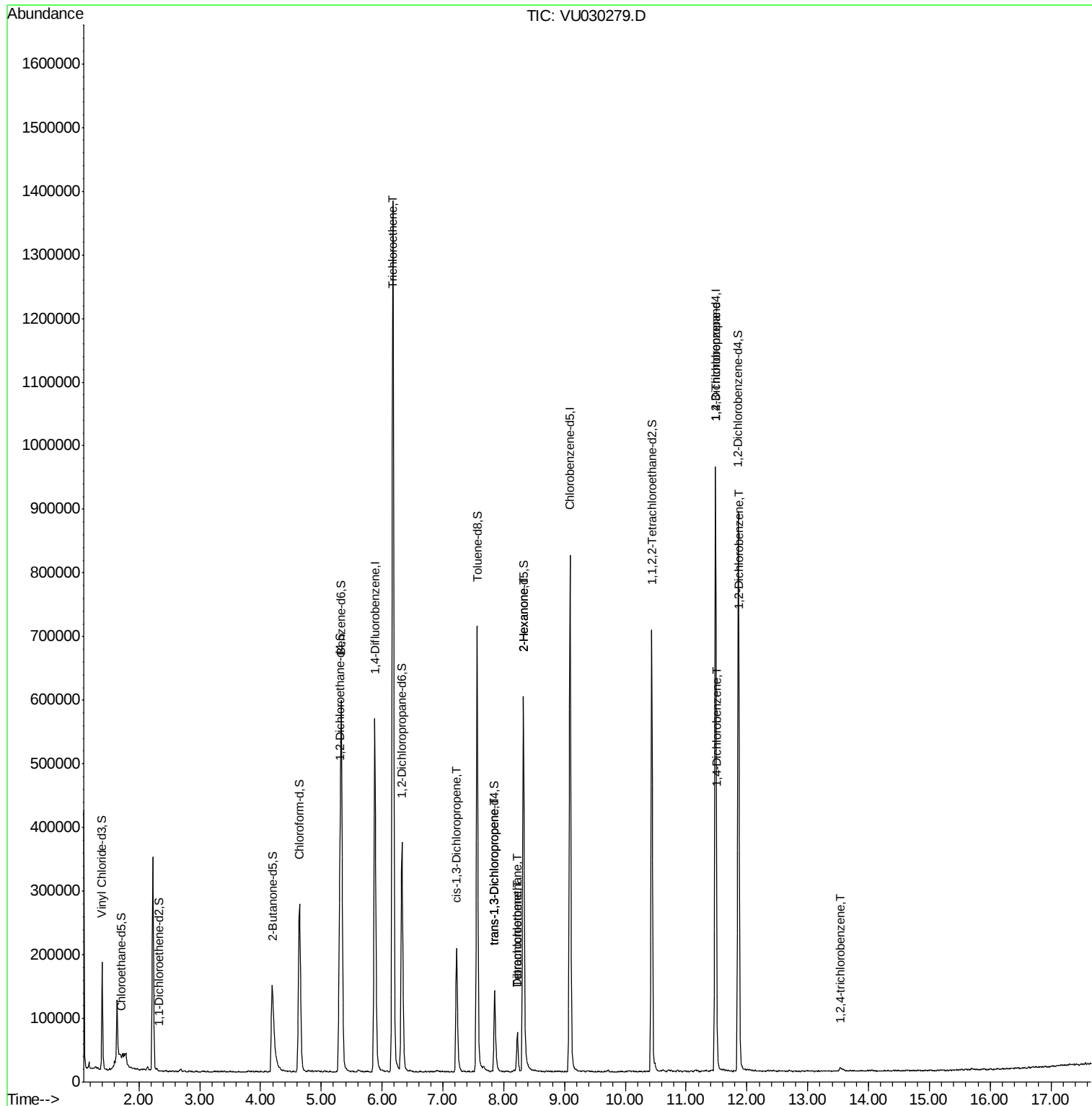
					Qvalue
34) Trichloroethene	6.18	95	502112	122.746	ug/L 98
39) cis-1,3-Dichloropropene	7.22	75	4812	0.755	ug/L # 66
44) trans-1,3-Dichloropropene	7.85	75	3335	0.604	ug/L 96
46) Tetrachloroethene	8.22	164	15490	4.482	ug/L 94
48) 2-Hexanone	8.32	43	23664	5.219	ug/L # 63
49) Dibromochloromethane	8.22	129	15005	3.280	ug/L # 11
59) 1,2,3-Trichloropropane	11.49	75	30518	5.681	ug/L 100
63) 1,4-Dichlorobenzene	11.51	146	9058	1.004	ug/L 95
65) 1,2-Dichlorobenzene	11.88	146	11089	1.248	ug/L # 89
68) 1,2,4-trichlorobenzene	13.53	180	2376	0.395	ug/L # 35

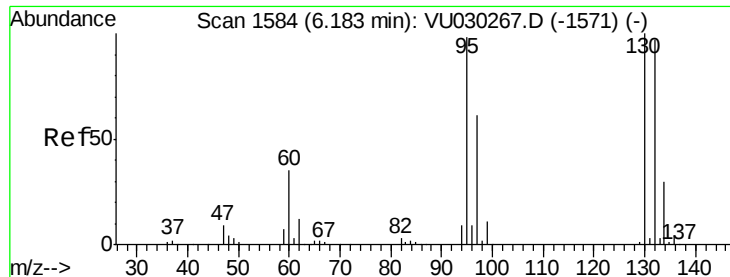
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#34

Trichloroethene

Concen: 122.746 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.01 min

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Acq: 21 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

BF0D3ME

Tgt Ion: 95 Resp: 502112

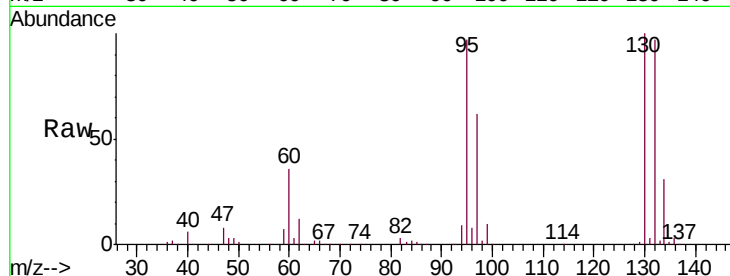
Ion Ratio Lower Upper

95 100

97 64.3 46.2 85.8

132 100.2 69.3 128.7

130 103.5 73.6 136.6

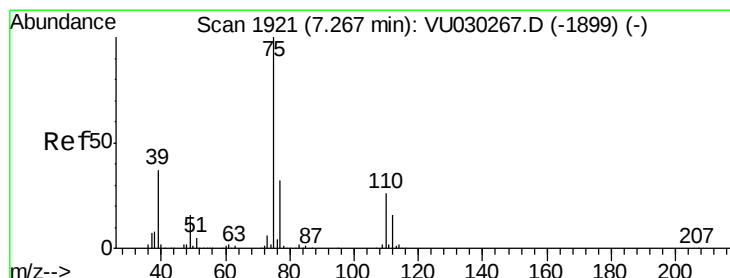
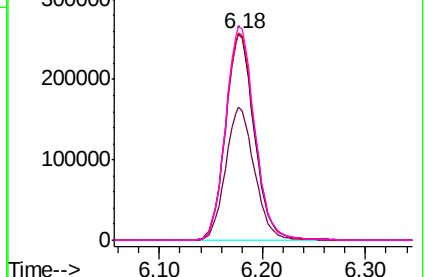
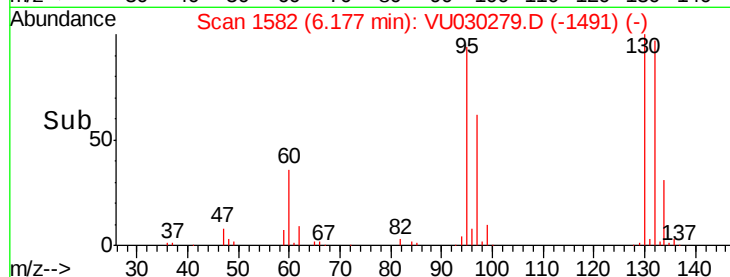


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.755 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU030279.D

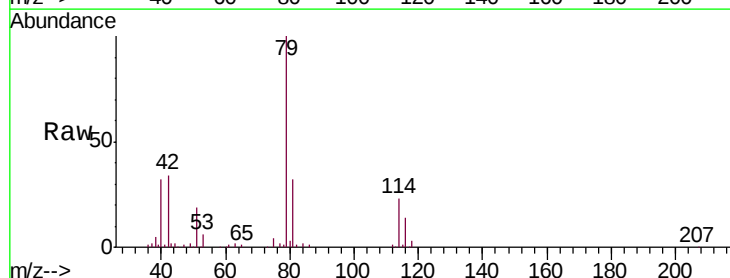
Acq: 21 Mar 2019 20:29

Tgt Ion: 75 Resp: 4812

Ion Ratio Lower Upper

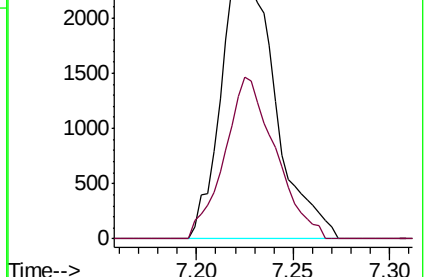
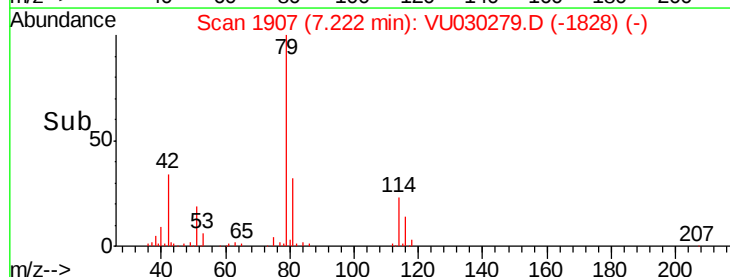
75 100

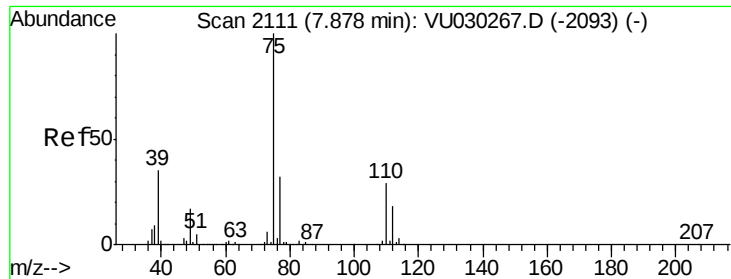
77 50.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.604 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

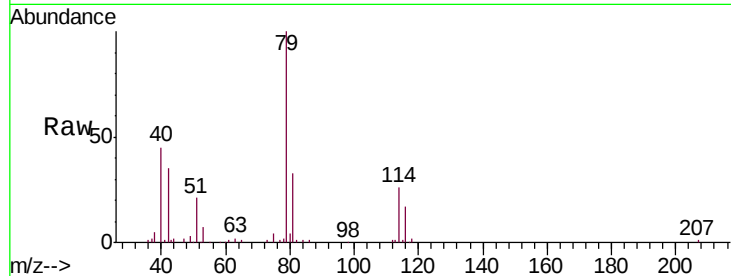
BF0D3ME

Tgt Ion: 75 Resp: 3335

Ion Ratio Lower Upper

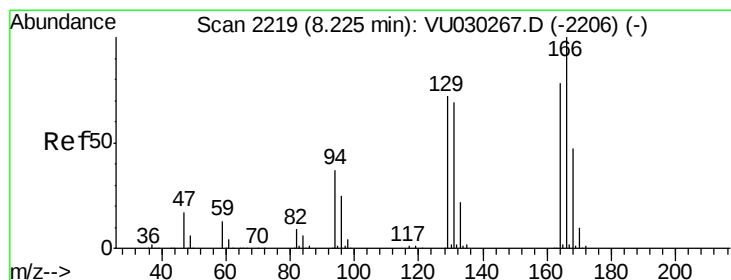
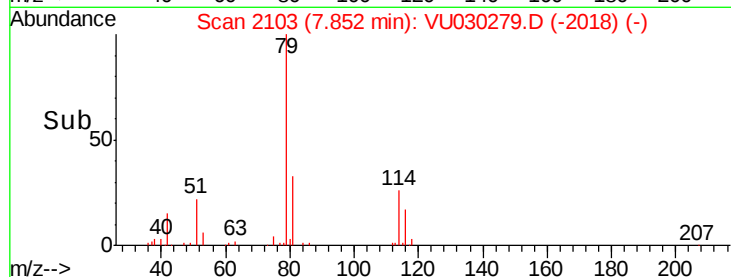
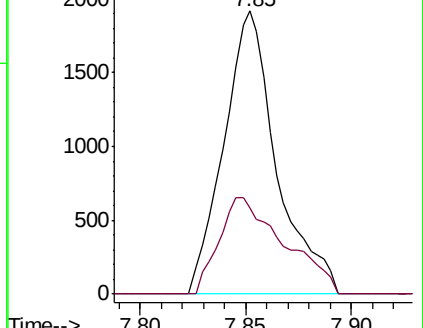
75 100

77 30.4 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) (-)



#46

Tetrachloroethene

Concen: 4.482 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

Tgt Ion: 164 Resp: 15490

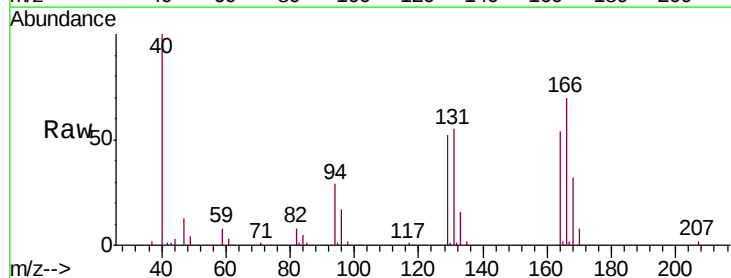
Ion Ratio Lower Upper

164 100

129 96.0 64.4 119.6

131 102.8 63.2 117.4

166 130.6 89.5 166.1

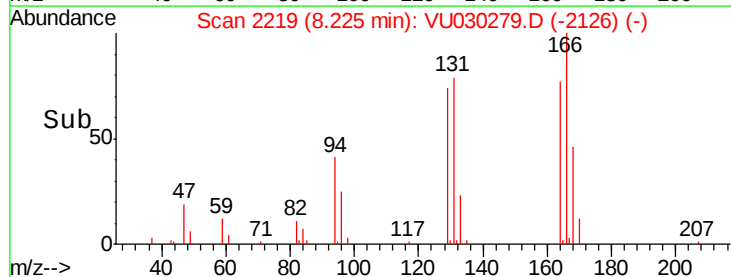
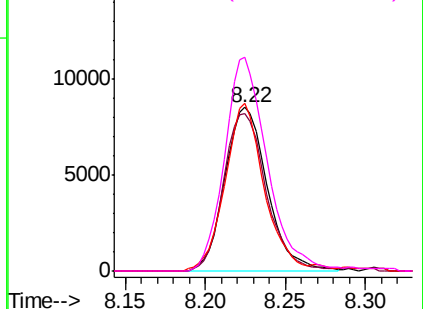


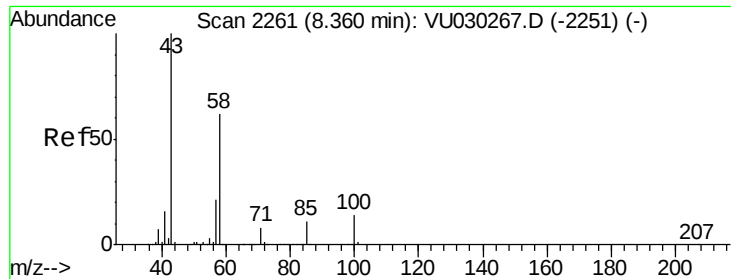
Abundance Ion 164.00 (163.70 to 164.70): VU030267.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU030267.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU030267.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU030267.D (-2206) (-)

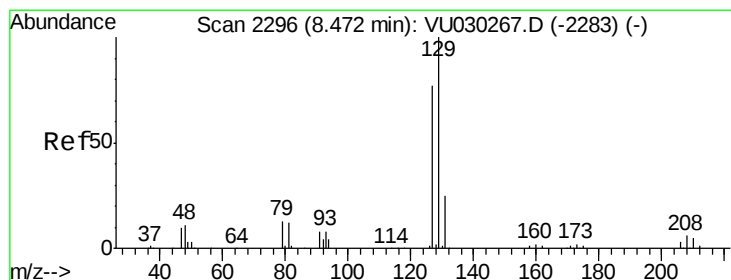
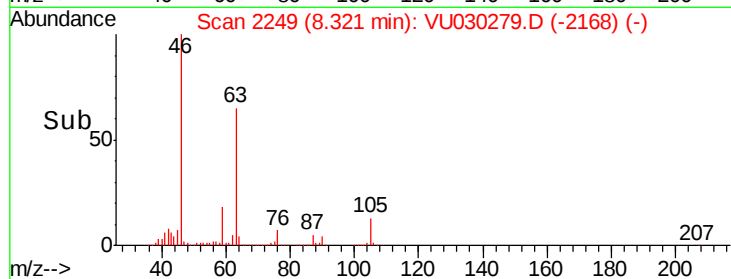
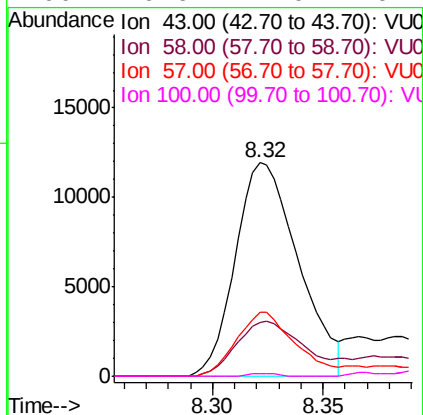
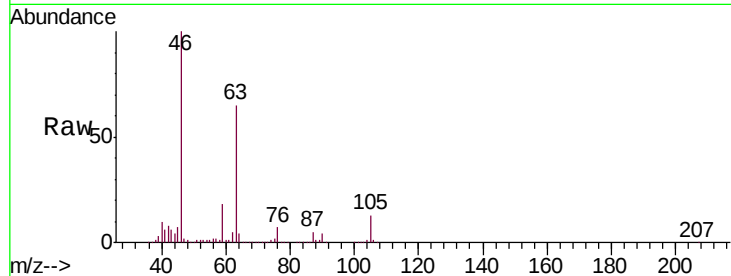




#48
2-Hexanone
Concen: 5.219 ug/L
RT: 8.32 min Scan# 2249
Delta R.T. -0.04 min
Lab File: VU030279.D
Acq: 21 Mar 2019 20:29

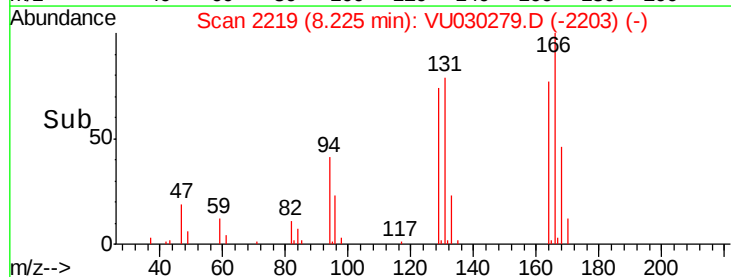
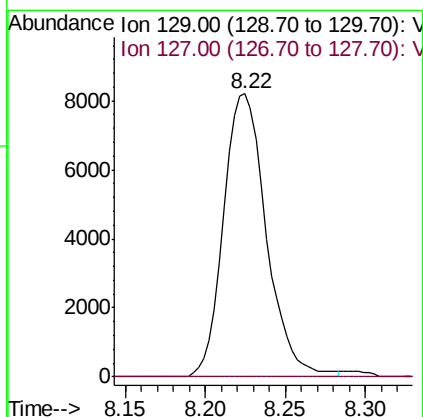
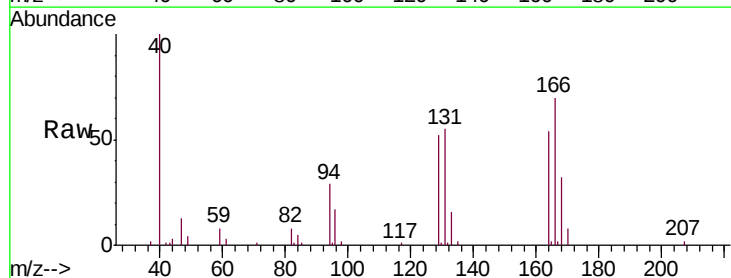
Instrument :
MSVOA_U
ClientSampleId :
BF0D3ME

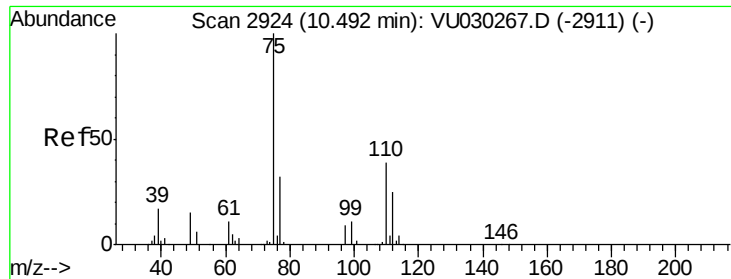
Tgt Ion: 43 Resp: 23664
Ion Ratio Lower Upper
43 100
58 27.0 49.3 73.9#
57 28.0 17.0 25.4#
100 0.6 11.0 16.4#



#49
Dibromochloromethane
Concen: 3.280 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU030279.D
Acq: 21 Mar 2019 20:29

Tgt Ion: 129 Resp: 15005
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 5.681 ug/L

RT: 11.49 min Scan# 3233

Delta R.T. 0.99 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

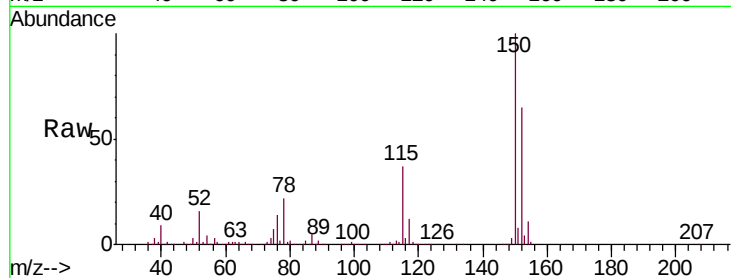
BF0D3ME

Tgt Ion: 75 Resp: 30518

Ion Ratio Lower Upper

75 100

77 32.6 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) (-)

11.49

20000

15000

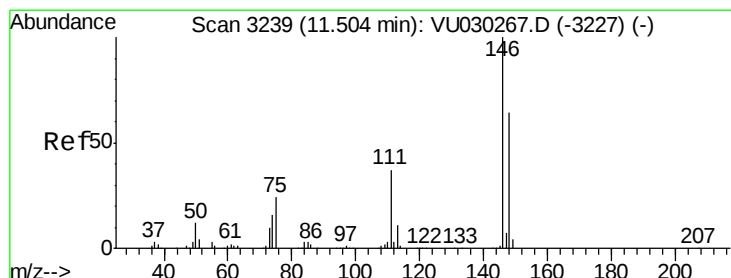
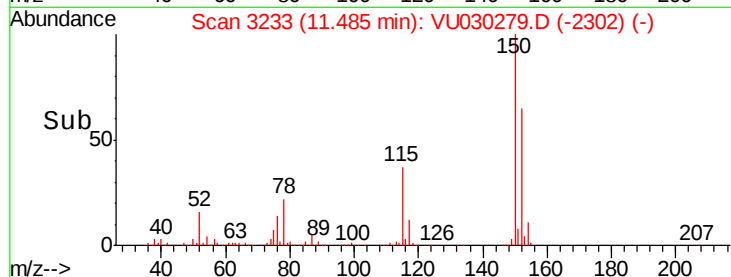
10000

5000

0

Time-->

11.45 11.50 11.55



#63

1,4-Dichlorobenzene

Concen: 1.004 ug/L

RT: 11.51 min Scan# 3240

Delta R.T. 0.00 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

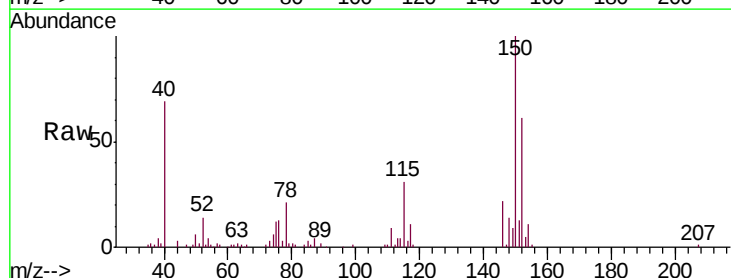
Tgt Ion: 146 Resp: 9058

Ion Ratio Lower Upper

146 100

111 41.4 25.3 46.9

148 66.2 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) (-)

11.51

6000

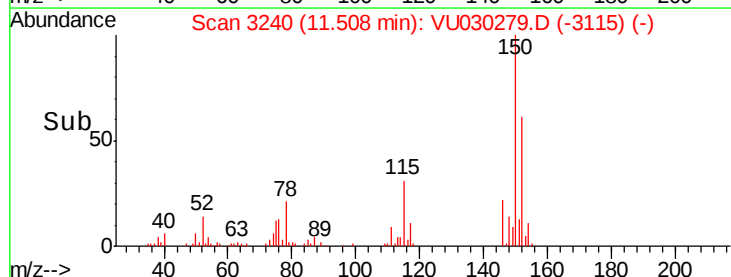
4000

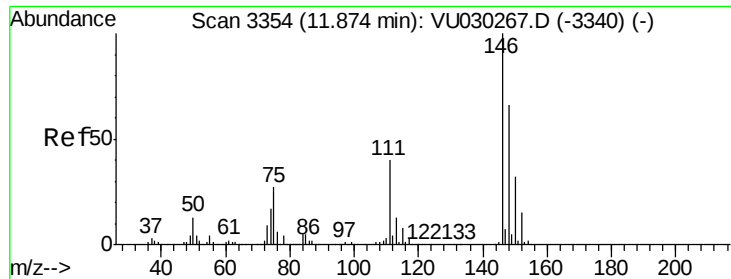
2000

0

Time-->

11.45 11.50 11.55





#65

1,2-Dichlorobenzene

Concen: 1.248 ug/L

RT: 11.88 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

Instrument :

MSVOA_U

ClientSampleId :

BF0D3ME

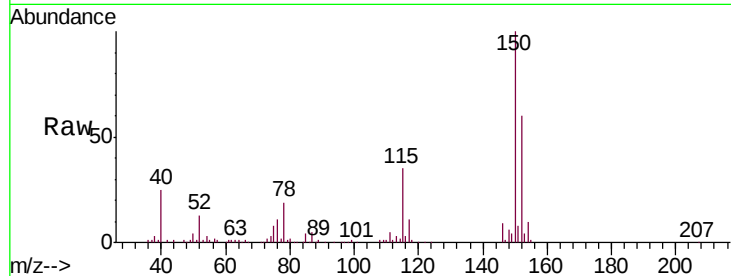
Tgt Ion:146 Resp: 11089

Ion Ratio Lower Upper

146 100

111 51.0 31.7 47.5#

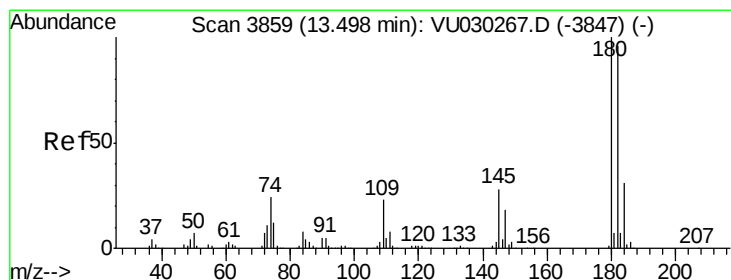
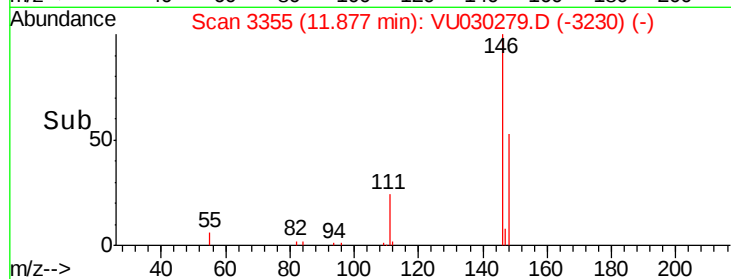
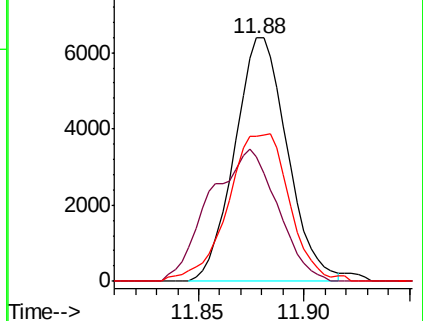
148 59.5 52.0 78.0



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: 0.395 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.03 min

Lab File: VU030279.D

Acq: 21 Mar 2019 20:29

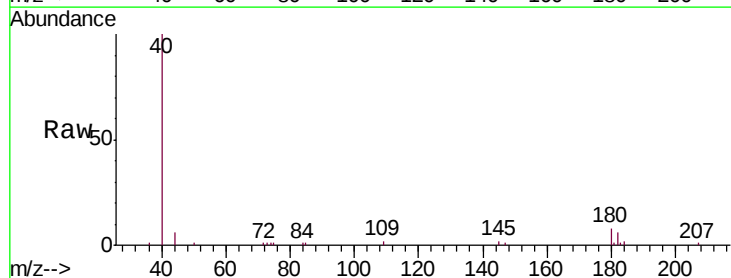
Tgt Ion:180 Resp: 2376

Ion Ratio Lower Upper

180 100

182 19.4 76.4 114.6#

145 16.5 22.7 34.1#



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

