

Data File : VU030274.D
Acq On : 21 Mar 2019 18:35
Operator : JC/SP
Sample : K1967-20DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0976DL

Quant Time: Mar 22 05:18:28 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	534835	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	517639	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237296	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	176180	48.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.44%
7) Chloroethane-d5	1.68	69	139721	48.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.64%
11) 1,1-Dichloroethene-d2	2.27	63	234181	35.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.98%
21) 2-Butanone-d5	4.18	46	232431	86.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.63%
24) Chloroform-d	4.65	84	296959	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.31	65	175454	46.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.70%
32) Benzene-d6	5.34	84	649969	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.33	67	199852	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.70%
41) Toluene-d8	7.56	98	580655	45.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.54%
43) trans-1,3-Dichloropropene-	7.85	79	89358	43.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.96%
47) 2-Hexanone-d5	8.31	63	188618	86.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.18%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	285426	44.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	227275	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

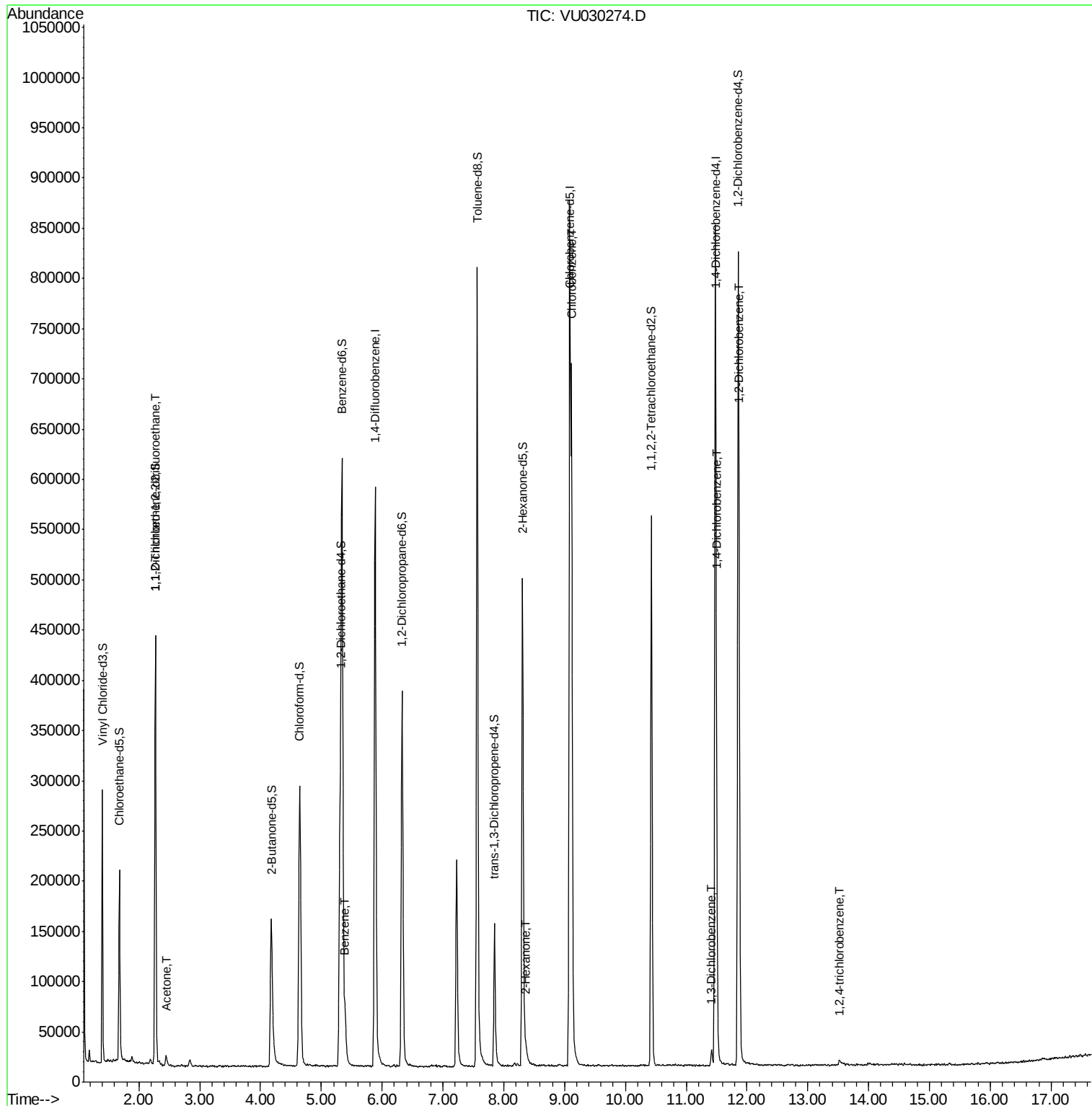
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2540	0.707	ug/L #	18
13) Acetone	2.45	43	2430	0.867	ug/L	43
33) Benzene	5.39	78	53544	3.585	ug/L	100
48) 2-Hexanone	8.37	43	6678	1.531	ug/L #	87
51) Chlorobenzene	9.12	112	403612	37.530	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	8112	1.071	ug/L	93
63) 1,4-Dichlorobenzene	11.50	146	69071	8.795	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	92420	11.948	ug/L	97
68) 1,2,4-trichlorobenzene	13.52	180	1964	0.375	ug/L #	89

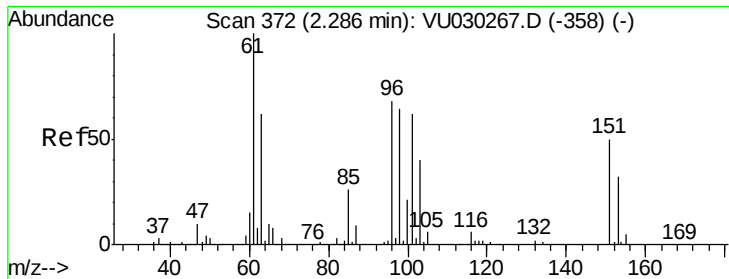
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.707 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030274.D

Acq: 21 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

C0976DL

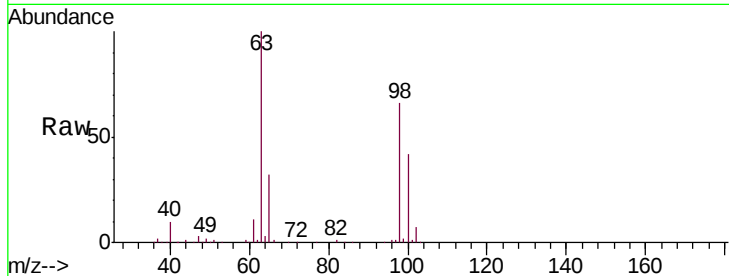
Tgt Ion:101 Resp: 2540

Ion Ratio Lower Upper

101 100

85 0.0 32.5 48.7#

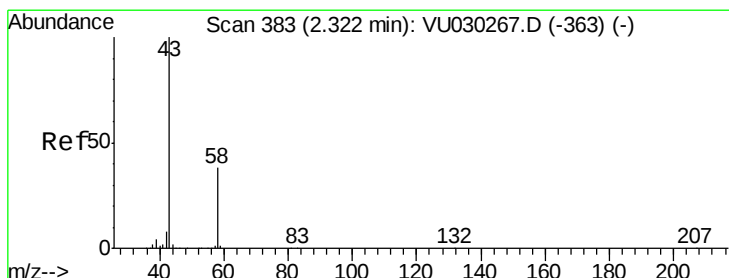
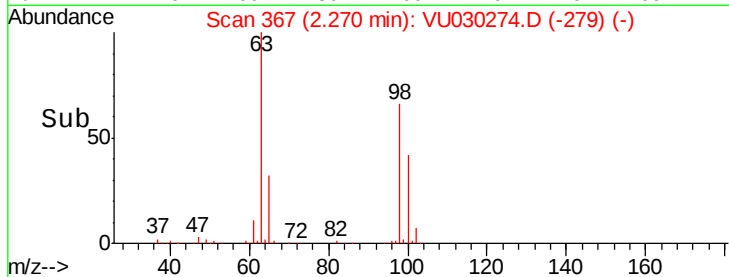
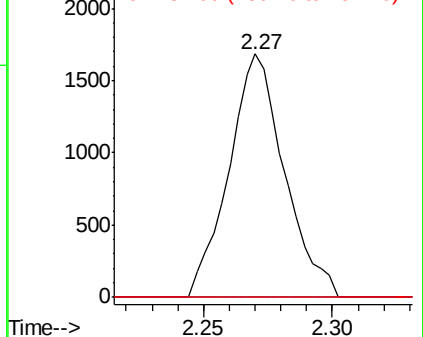
151 0.0 64.7 97.1#



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



#13

Acetone

Concen: 0.867 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.13 min

Lab File: VU030274.D

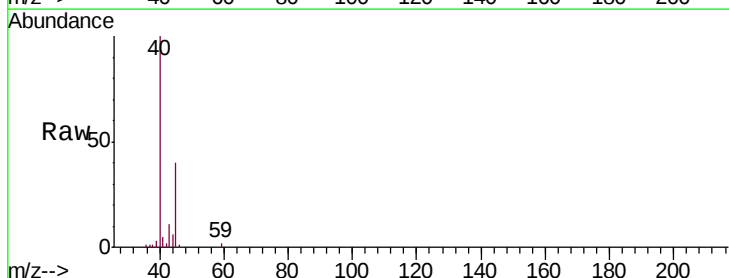
Acq: 21 Mar 2019 18:35

Tgt Ion: 43 Resp: 2430

Ion Ratio Lower Upper

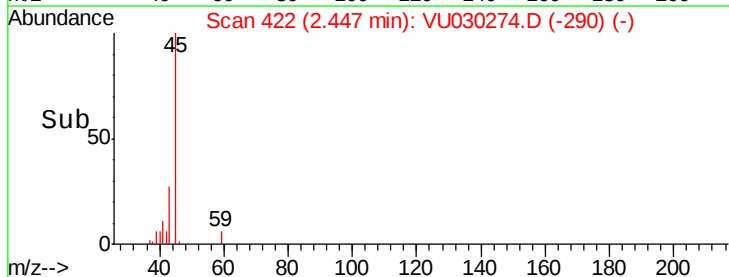
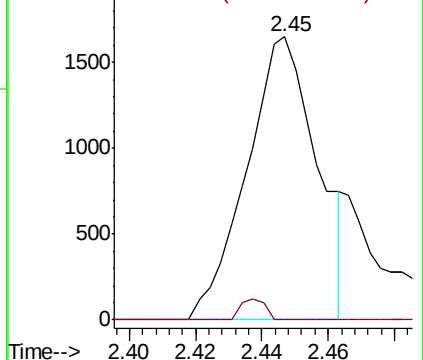
43 100

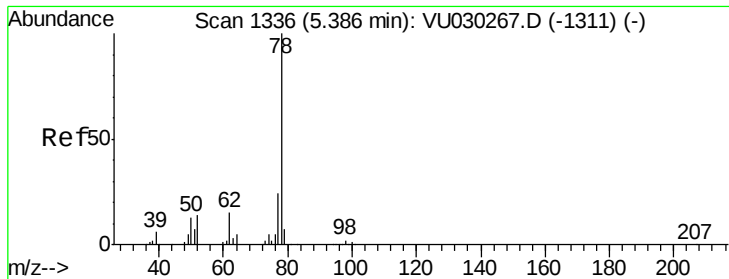
58 2.6 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#33

Benzene

Concen: 3.585 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU030274.D

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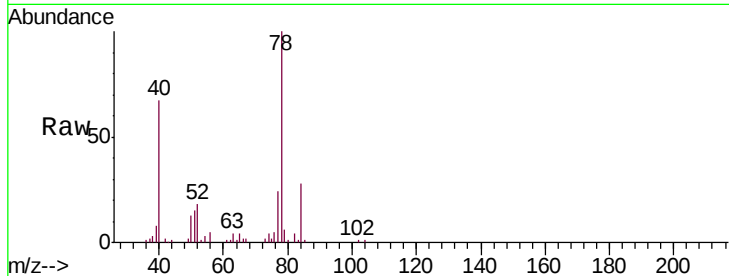
Instrument :

MSVOA_U

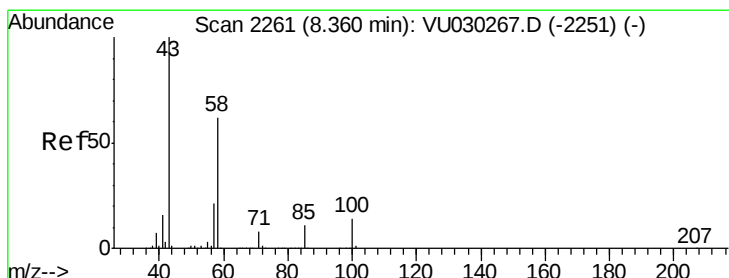
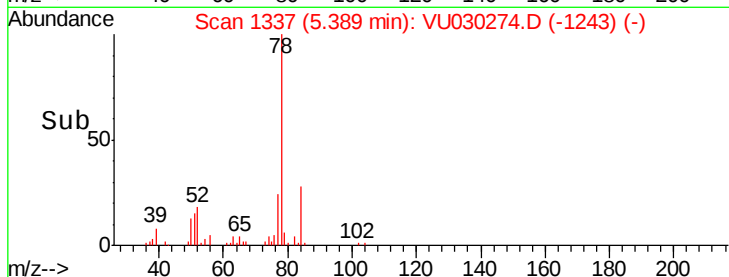
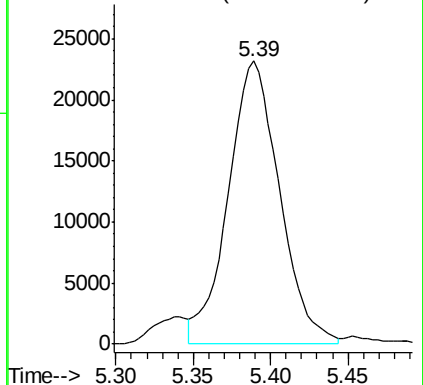
ClientSampleId :

C0976DL

Tgt Ion: 78 Resp: 53544



Abundance Ion 78.00 (77.70 to 78.70): VU0



#48

2-Hexanone

Concen: 1.531 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU030274.D

Acq: 21 Mar 2019 18:35

Tgt Ion: 43 Resp: 6678

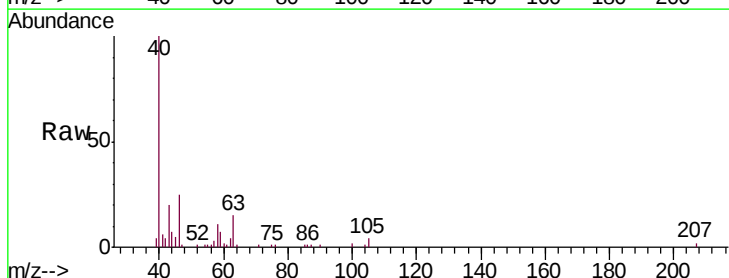
Ion Ratio Lower Upper

43 100

58 61.4 49.3 73.9

57 0.0 17.0 25.4#

100 4.0 11.0 16.4#

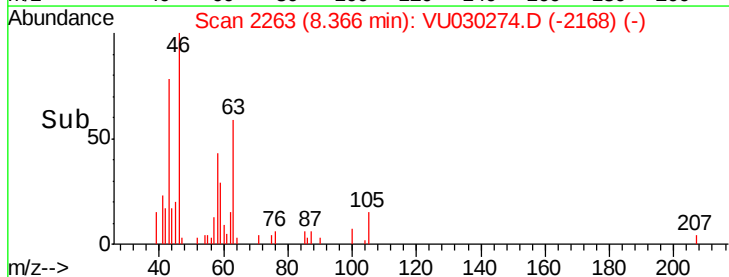
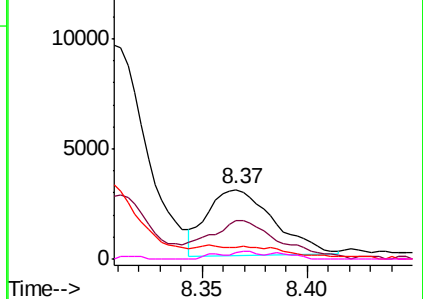


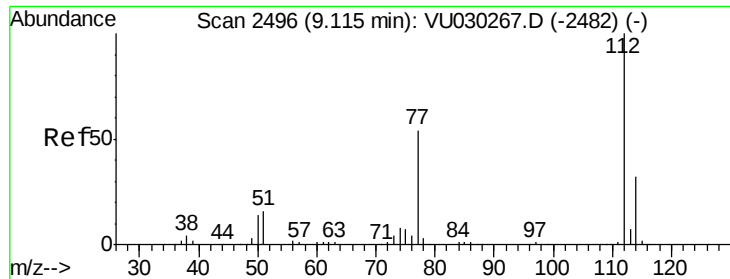
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

Chlorobenzene

Concen: 37.530 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030274.D

Acq: 21 Mar 2019 18:35

Instrument :

MSVOA_U

ClientSampleId :

C0976DL

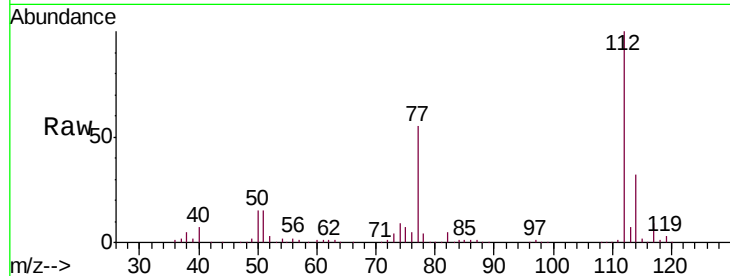
Tgt Ion:112 Resp: 403612

Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.7

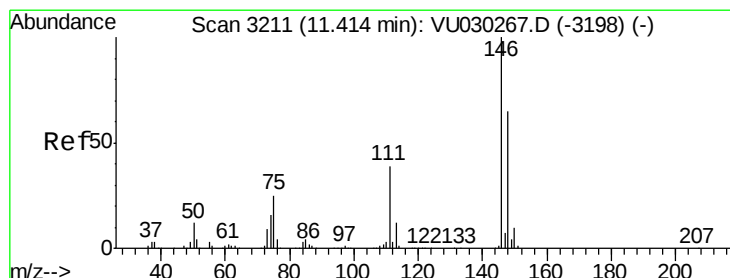
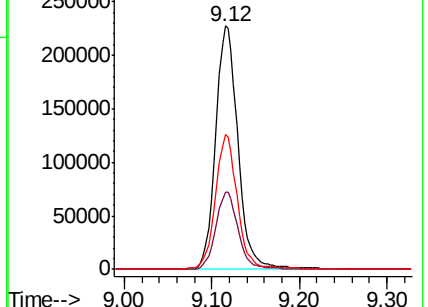
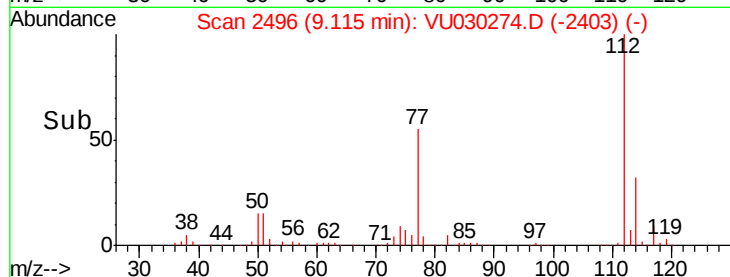
77 55.3 43.4 65.0



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



#62

1,3-Dichlorobenzene

Concen: 1.071 ug/L

RT: 11.42 min Scan# 3213

Delta R.T. 0.01 min

Lab File: VU030274.D

Acq: 21 Mar 2019 18:35

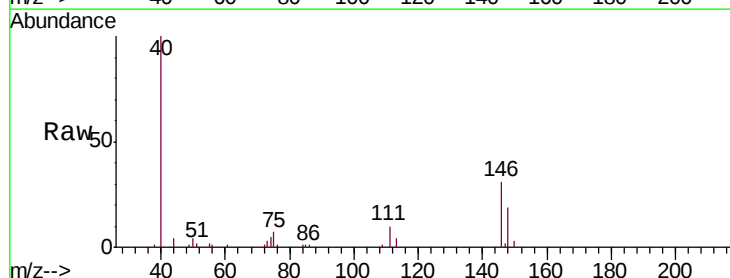
Tgt Ion:146 Resp: 8112

Ion Ratio Lower Upper

146 100

111 33.3 27.2 50.4

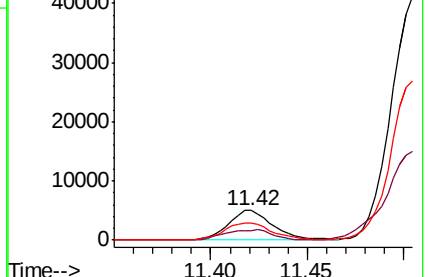
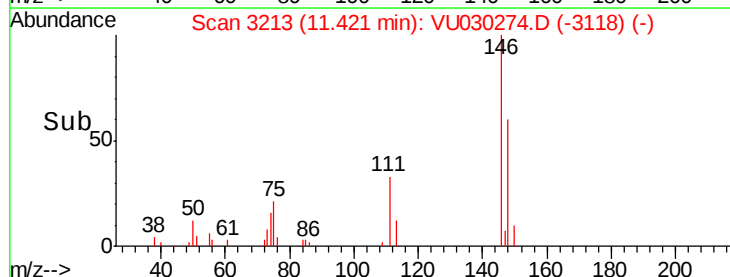
148 59.6 44.4 82.5

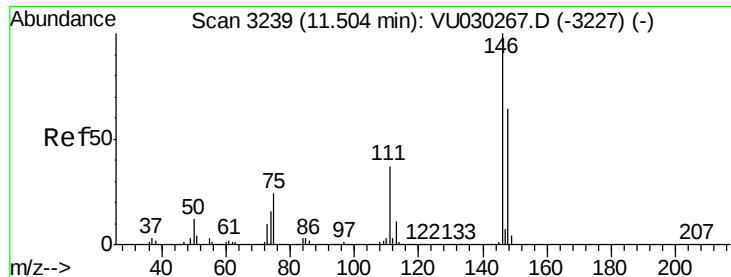


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

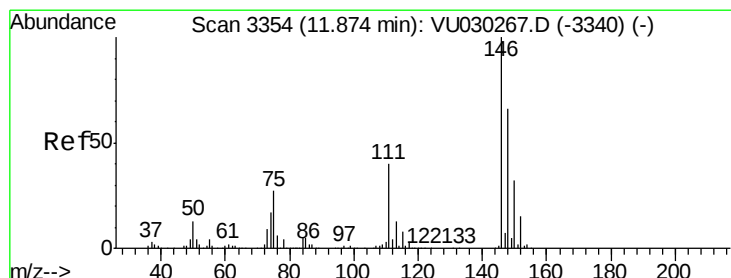
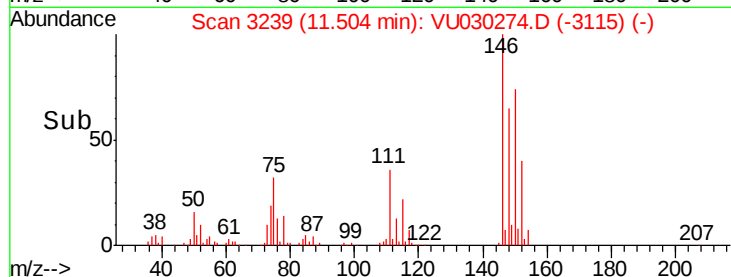
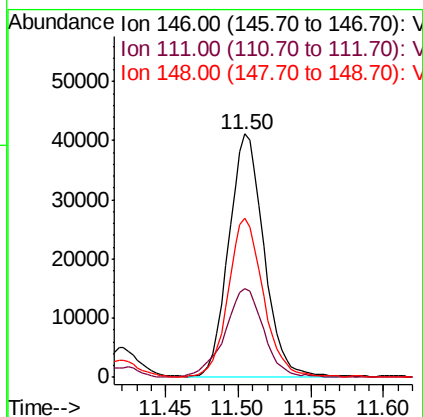
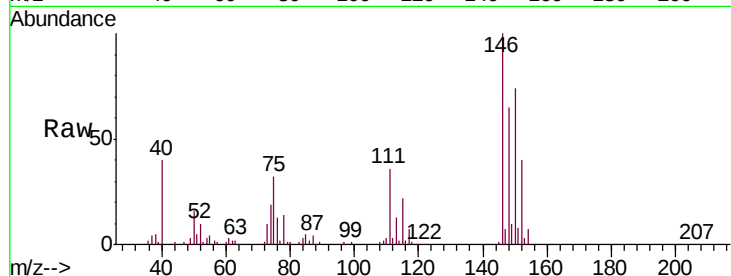




#63
 1,4-Dichlorobenzene
 Concen: 8.795 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU030274.D
 Acq: 21 Mar 2019 18:35

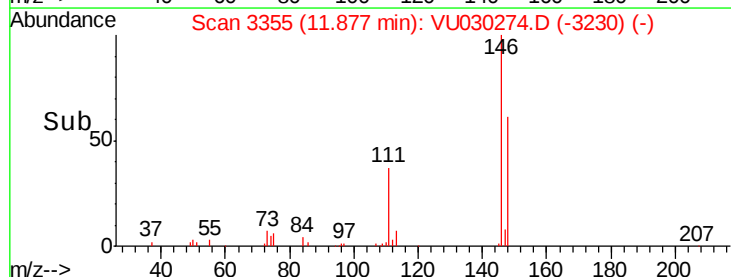
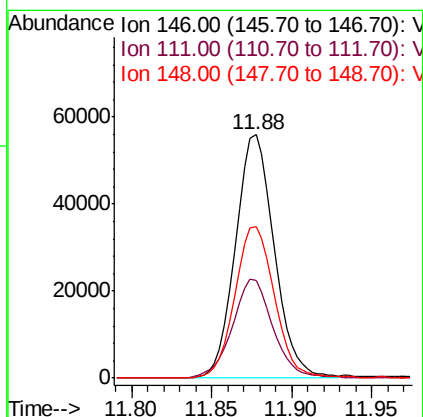
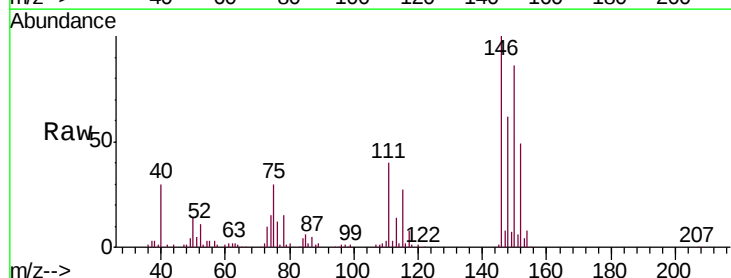
Instrument :
 MSVOA_U
 ClientSampled :
 C0976DL

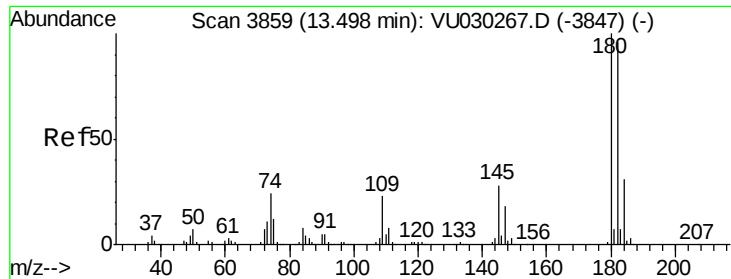
Tgt Ion:146 Resp: 69071
 Ion Ratio Lower Upper
 146 100
 111 36.5 25.3 46.9
 148 65.2 44.7 82.9



#65
 1,2-Dichlorobenzene
 Concen: 11.948 ug/L
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU030274.D
 Acq: 21 Mar 2019 18:35

Tgt Ion:146 Resp: 92420
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.7 47.5
 148 62.0 52.0 78.0





#68
 1,2,4-trichlorobenzene
 Concen: 0.375 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. 0.03 min
 Lab File: VU030274.D
 Acq: 21 Mar 2019 18:35

Instrument :
 MSVOA_U
 ClientSampleId :
 C0976DL

Tgt Ion:180 Resp: 1964
 Ion Ratio Lower Upper
 180 100
 182 99.7 76.4 114.6
 145 11.0 22.7 34.1#

