

Data File : VU035574.D
Acq On : 30 Oct 2019 20:34
Operator : JC/SP
Sample : K5559-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0CP8

Quant Time: Oct 31 00:45:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 31 00:14:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	679621	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	662225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	245372	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	221742	40.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.80%
7) Chloroethane-d5	1.93	69	190750	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.60	63	277821	32.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.08%
21) 2-Butanone-d5	4.70	46	303070	94.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	5.11	84	382423	45.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.22%
26) 1,2-Dichloroethane-d4	5.75	65	238867	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.00%
32) Benzene-d6	5.78	84	809720	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.82%
36) 1,2-Dichloropropane-d6	6.74	67	268813	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.04%
41) Toluene-d8	7.93	98	738846	45.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.76%
43) trans-1,3-Dichloropropene-	8.22	79	111423	43.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.42%
47) 2-Hexanone-d5	8.68	63	190680	88.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.88%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	355142	44.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.22%
64) 1,2-Dichlorobenzene-d4	12.22	152	242079	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%

Target Compounds

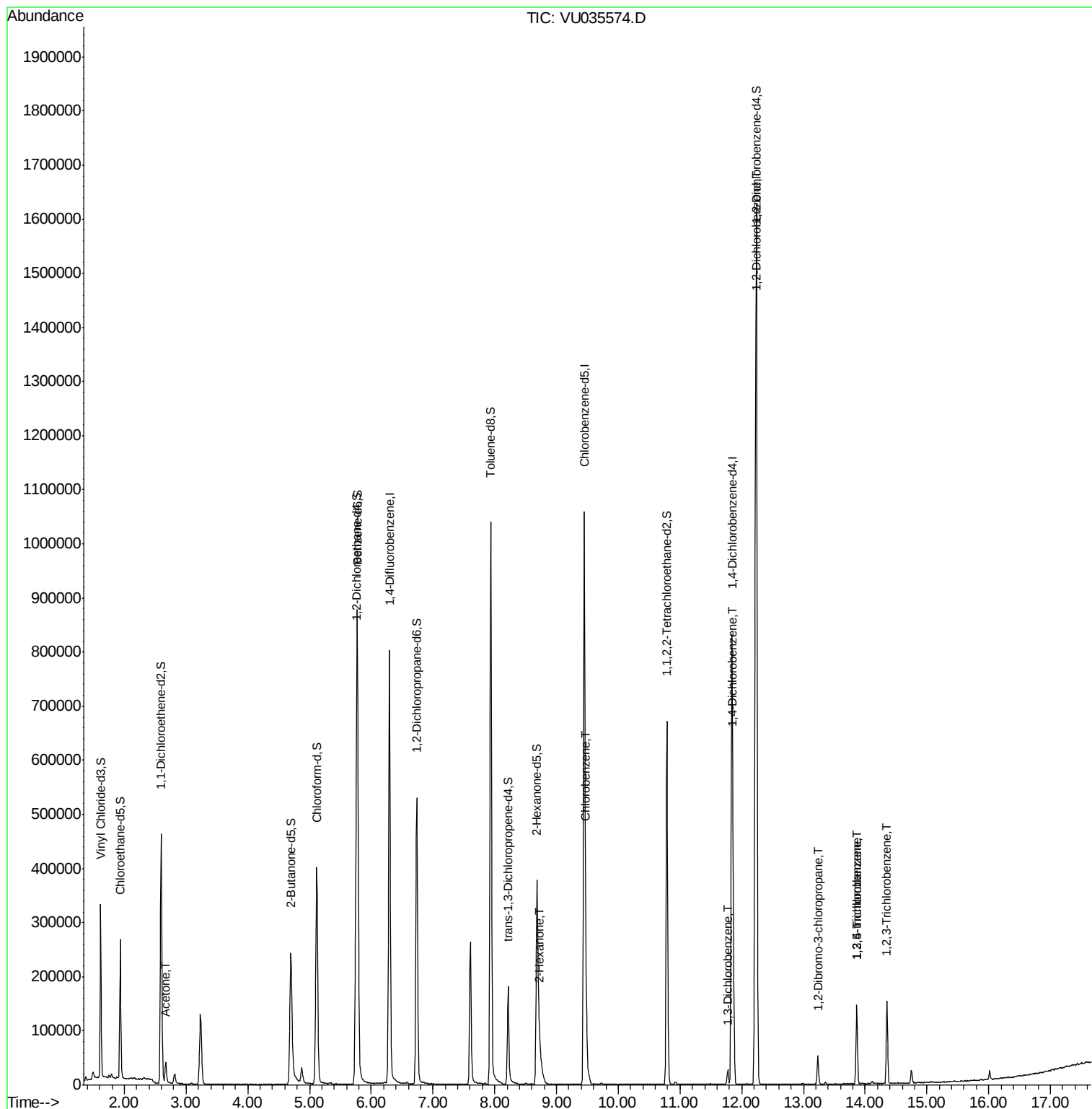
					Qvalue
13) Acetone	2.67	43	43845	15.542 ug/L	99
48) 2-Hexanone	8.73	43	17338	3.198 ug/L #	89
51) Chlorobenzene	9.48	112	84445	6.485 ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	12878	1.664 ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	99532	12.657 ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	608783	77.252 ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.24	75	1398	1.144 ug/L #	1
67) 1,3,5-Trichlorobenzene	13.86	180	47118	10.536 ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	47118	15.729 ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	50884	15.765 ug/L	96

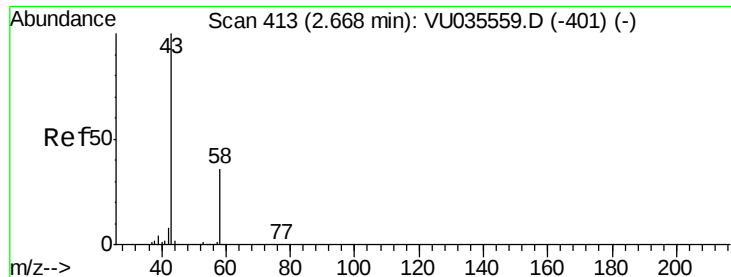
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 15.542 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035574.D

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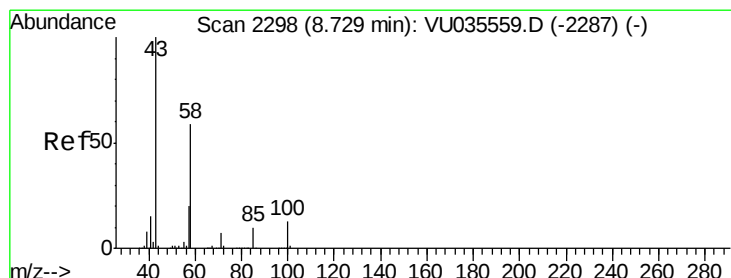
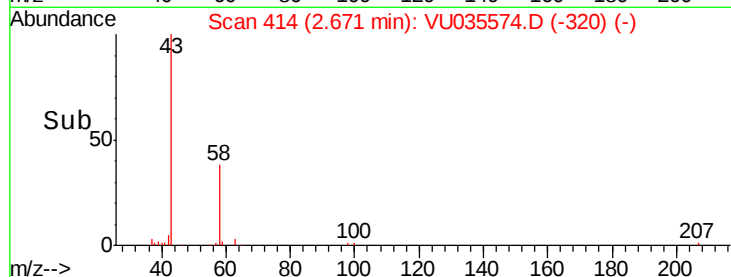
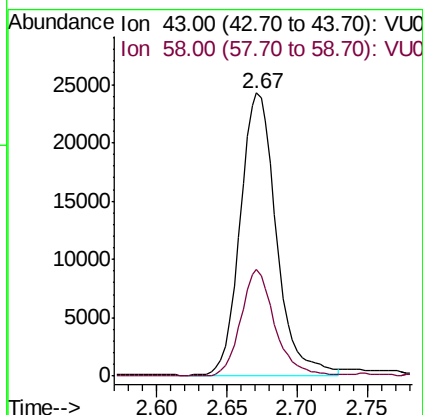
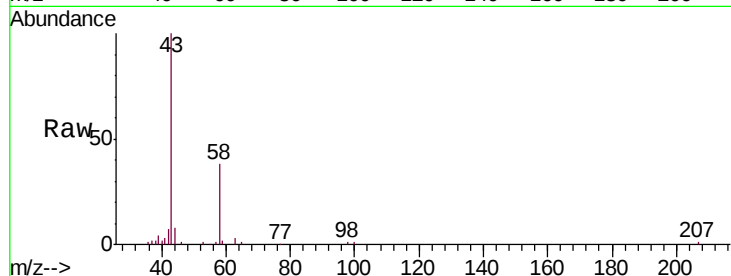
Instrument :
MSVOA_U
ClientSampled :
C0CP8

Tgt Ion: 43 Resp: 43845

Ion Ratio Lower Upper

43 100

58 35.4 0.0 70.0



#48

2-Hexanone

Concen: 3.198 ug/L

RT: 8.73 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VU035574.D

Acq: 30 Oct 2019 20:34

Tgt Ion: 43 Resp: 17338

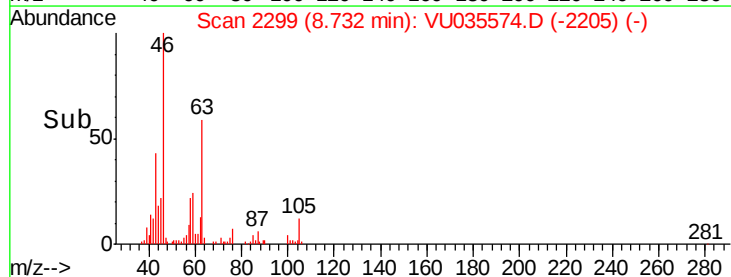
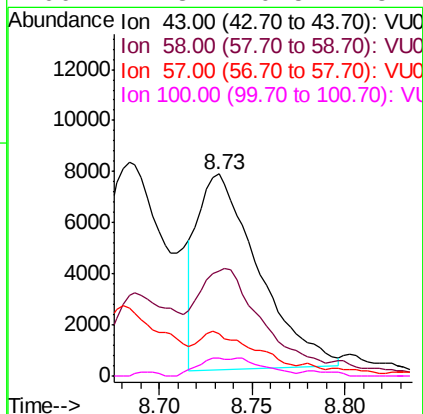
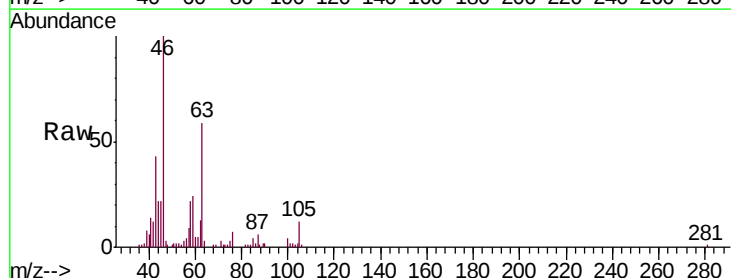
Ion Ratio Lower Upper

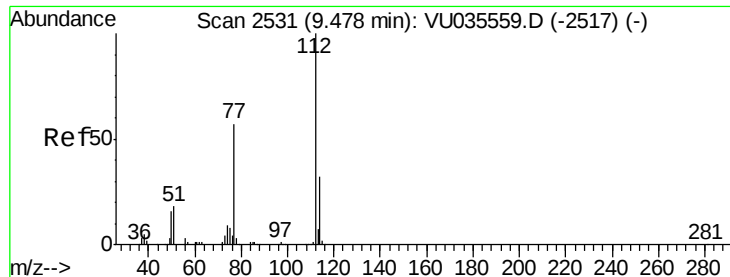
43 100

58 56.5 50.4 75.6

57 16.1 17.4 26.0#

100 4.3 10.5 15.7#





#51

Chlorobenzene

Concen: 6.485 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

C0CP8

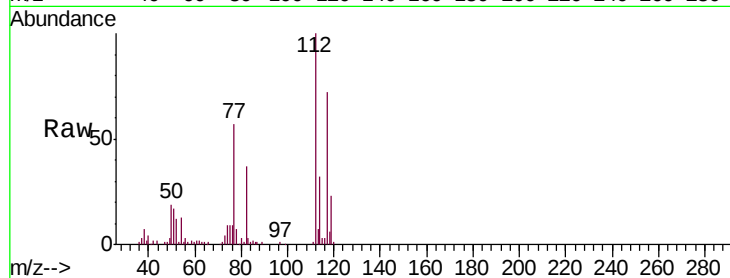
Tgt Ion:112 Resp: 84445

Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.3

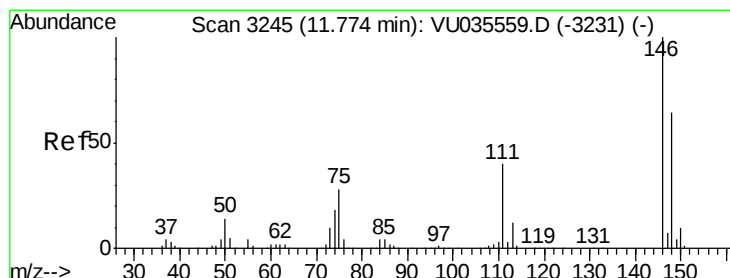
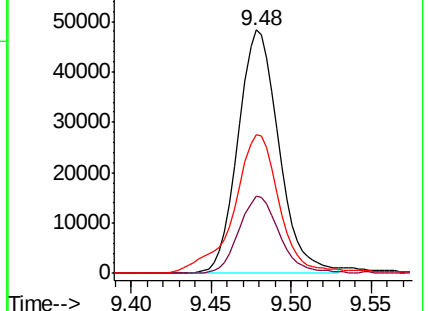
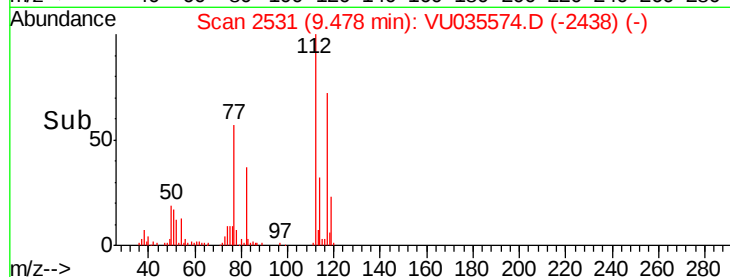
77 56.9 45.9 68.9



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): V



#62

1,3-Dichlorobenzene

Concen: 1.664 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. -0.00 min

Lab File: VU035574.D

Acq: 30 Oct 2019 20:34

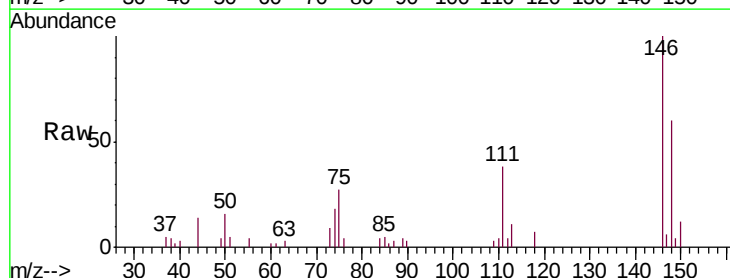
Tgt Ion:146 Resp: 12878

Ion Ratio Lower Upper

146 100

111 37.8 27.8 51.6

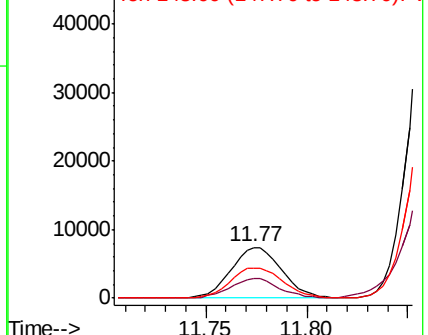
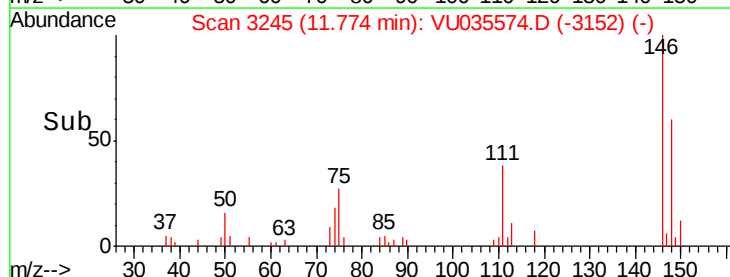
148 60.0 44.5 82.7

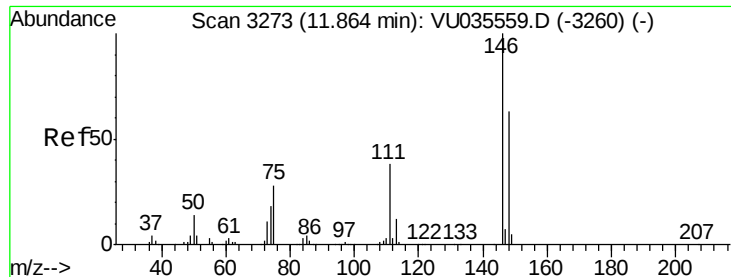


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

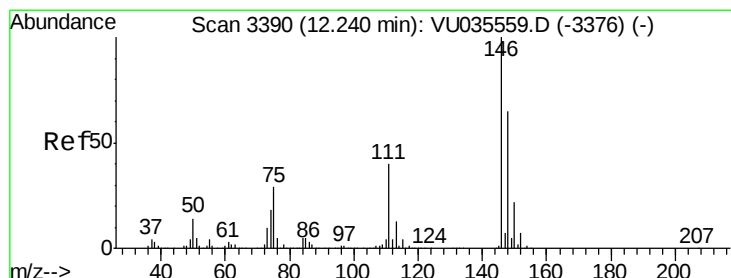
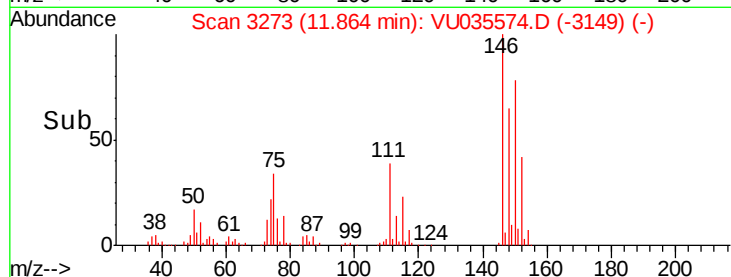
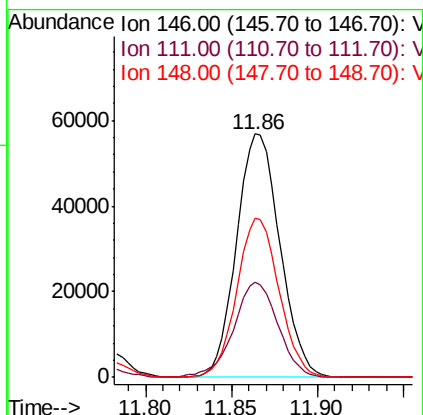
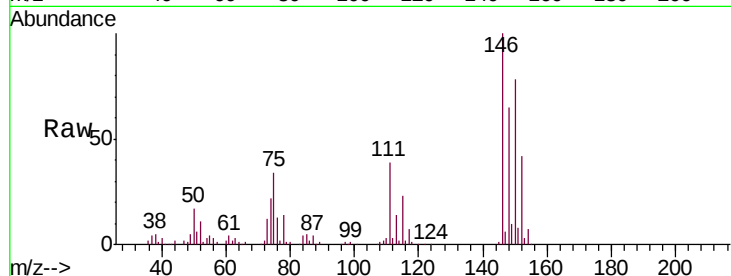




#63
 1,4-Dichlorobenzene
 Concen: 12.657 ug/L
 RT: 11.86 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

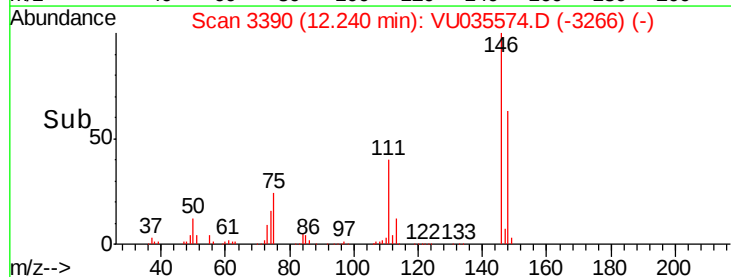
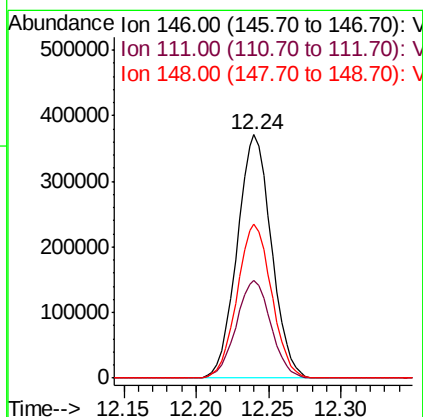
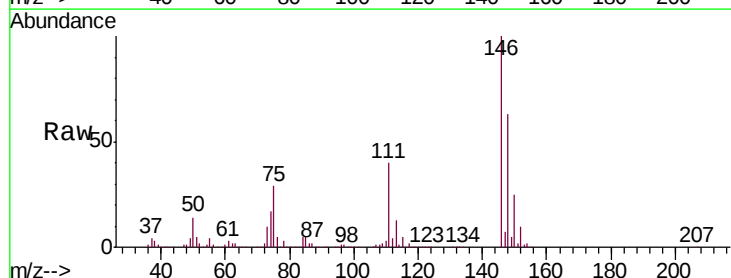
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 C0CP8

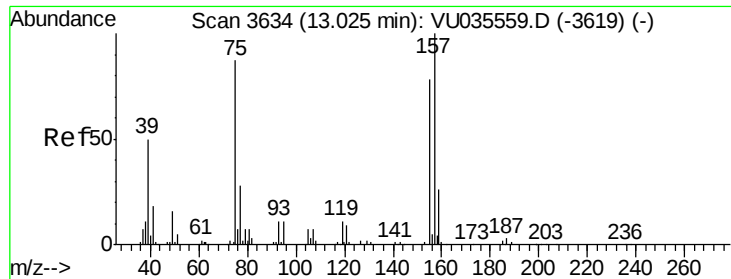
Tgt Ion:146 Resp: 99532
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.5 49.1
 148 65.3 44.4 82.5



#65
 1,2-Dichlorobenzene
 Concen: 77.252 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

Tgt Ion:146 Resp: 608783
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.4 48.6
 148 63.1 51.8 77.6

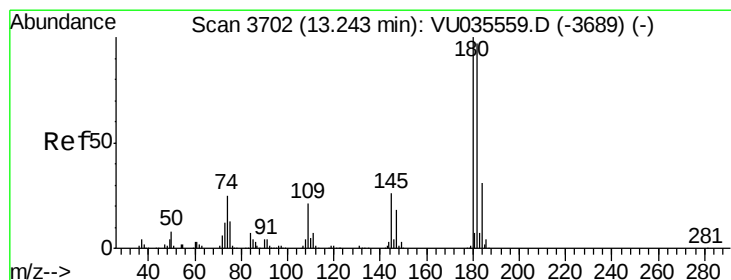
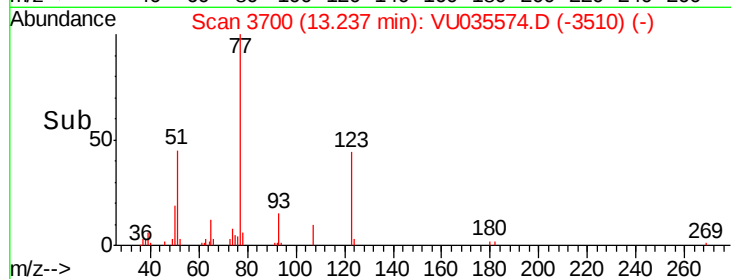
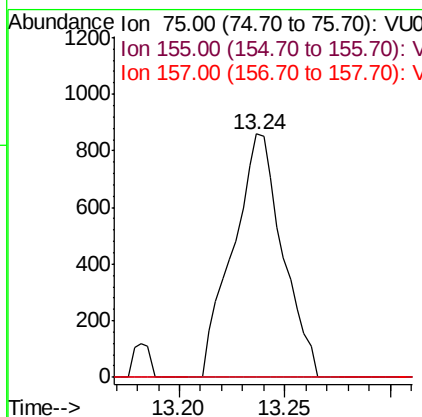
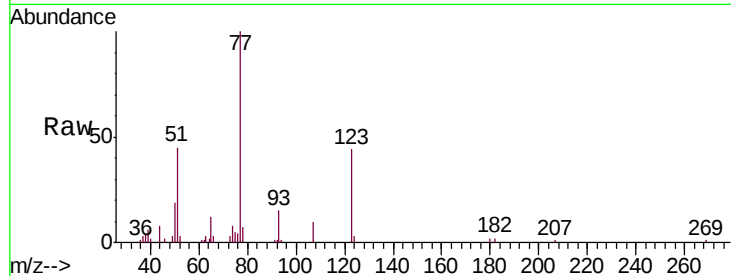




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.144 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.21 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

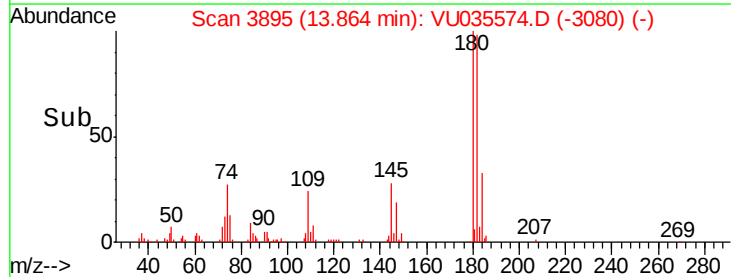
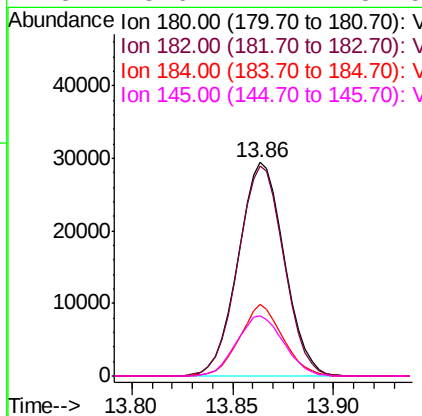
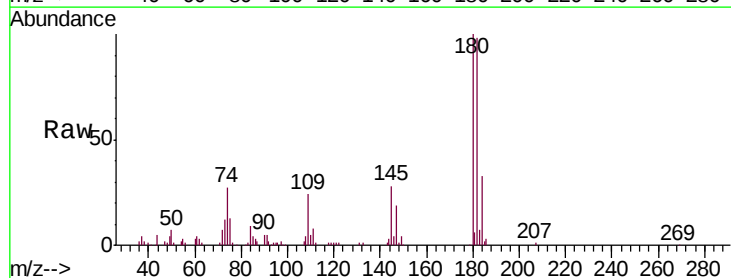
Instrument :
 MSVOA_U
 ClientSampleId :
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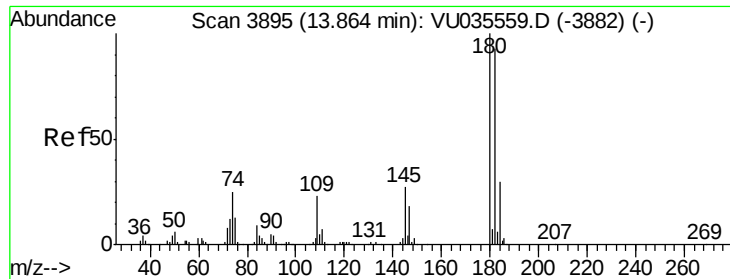
Tgt Ion: 75 Resp: 1398
 Ion Ratio Lower Upper
 75 100
 155 0.0 72.2 108.4#
 157 0.0 92.1 138.1#



#67
 1,3,5-Trichlorobenzene
 Concen: 10.536 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.62 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

Tgt Ion: 180 Resp: 47118
 Ion Ratio Lower Upper
 180 100
 182 98.0 77.0 115.4
 184 31.5 24.6 36.8
 145 28.6 21.7 32.5

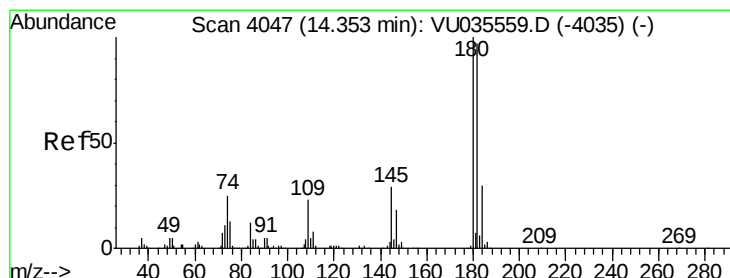
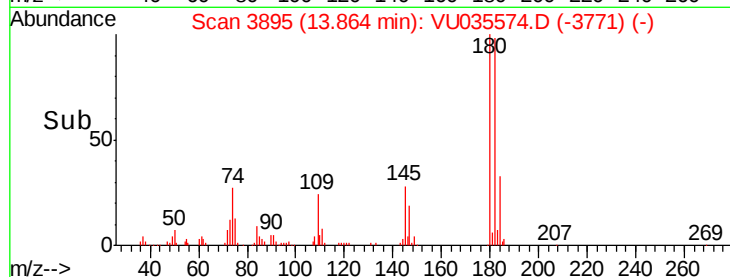
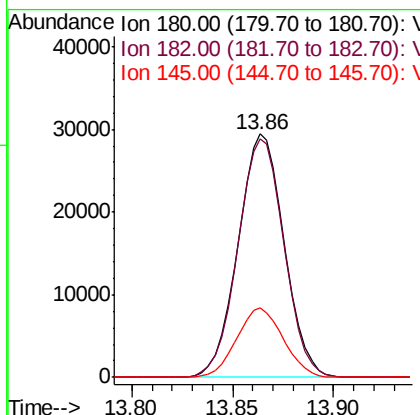
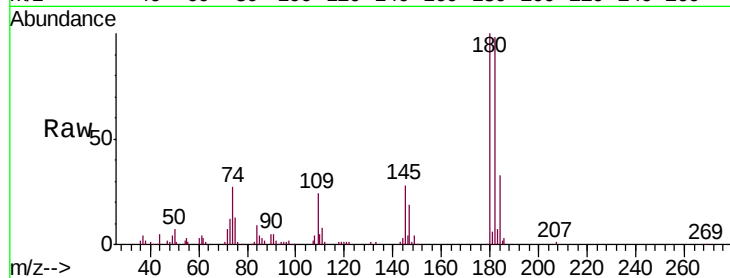




#68
 1,2,4-trichlorobenzene
 Concen: 15.729 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

Instrument :
 MSVOA_U
 ClientSampleId :
 C0CP8

Tgt Ion:180 Resp: 47118
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.6 115.0
 145 28.6 21.9 32.9



#70
 1,2,3-Trichlorobenzene
 Concen: 15.765 ug/L
 RT: 14.35 min Scan# 4047
 Delta R.T. -0.00 min
 Lab File: VU035574.D
 Acq: 30 Oct 2019 20:34

Tgt Ion:180 Resp: 50884
 Ion Ratio Lower Upper
 180 100
 182 92.6 77.6 116.4
 145 27.8 23.4 35.0

