

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082918\
 Data File : VU026434.D
 Acq On : 29 Aug 2018 20:10
 Operator : MD/SY
 Sample : J4691-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 30 02:24:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 30 02:20:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	154554	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	178103	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.49	152	92870	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	42785	44.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.36%
7) Chloroethane-d5	1.68	69	40837	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.44%
11) 1,1-Dichloroethene-d2	2.27	63	72114	33.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.88%
21) 2-Butanone-d5	4.18	46	70567	94.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.95%
24) Chloroform-d	4.65	84	82789	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
26) 1,2-Dichloroethane-d4	5.31	65	57376	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
32) Benzene-d6	5.35	84	166202	40.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.98%
36) 1,2-Dichloropropane-d6	6.34	67	57922	41.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.14%
41) Toluene-d8	7.57	98	172264	43.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.94%
43) trans-1,3-Dichloropropene-	7.85	79	26641	41.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.74%
47) 2-Hexanone-d5	8.32	63	62	0.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.10%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	92347	44.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	80299	47.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	5797	3.594	ug/L #	74
8) Chloroethane	1.40	64	3659	3.778	ug/L	95
13) Acetone	2.32	43	7561	11.749	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	6957	6.972	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	353185	315.953	ug/L	99
29) Cyclohexane	5.00	56	3044	1.569	ug/L #	62
34) Trichloroethene	6.20	95	6265094	4891.774	ug/L	98
37) 1,2-Dichloropropane	6.34	63	6113	4.325	ug/L #	88
48) 2-Hexanone	8.37	43	2114	1.408	ug/L #	41
51) Chlorobenzene	9.13	112	4958	1.392	ug/L	93
52) Ethylbenzene	9.26	91	7958	1.373	ug/L	99
53) m,p-Xylene	9.38	106	11996	5.544	ug/L	93
54) o-xylene	9.79	106	7248	3.435	ug/L	95
59) 1,2,3-Trichloropropane	11.49	75	11778	6.678	ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	18611	6.493	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	2805	1.464	ug/L	94

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Quant Title : VOC Analysis
QLast Update : Thu Aug 30 02:20:47 2018
Response via : Initial Calibration

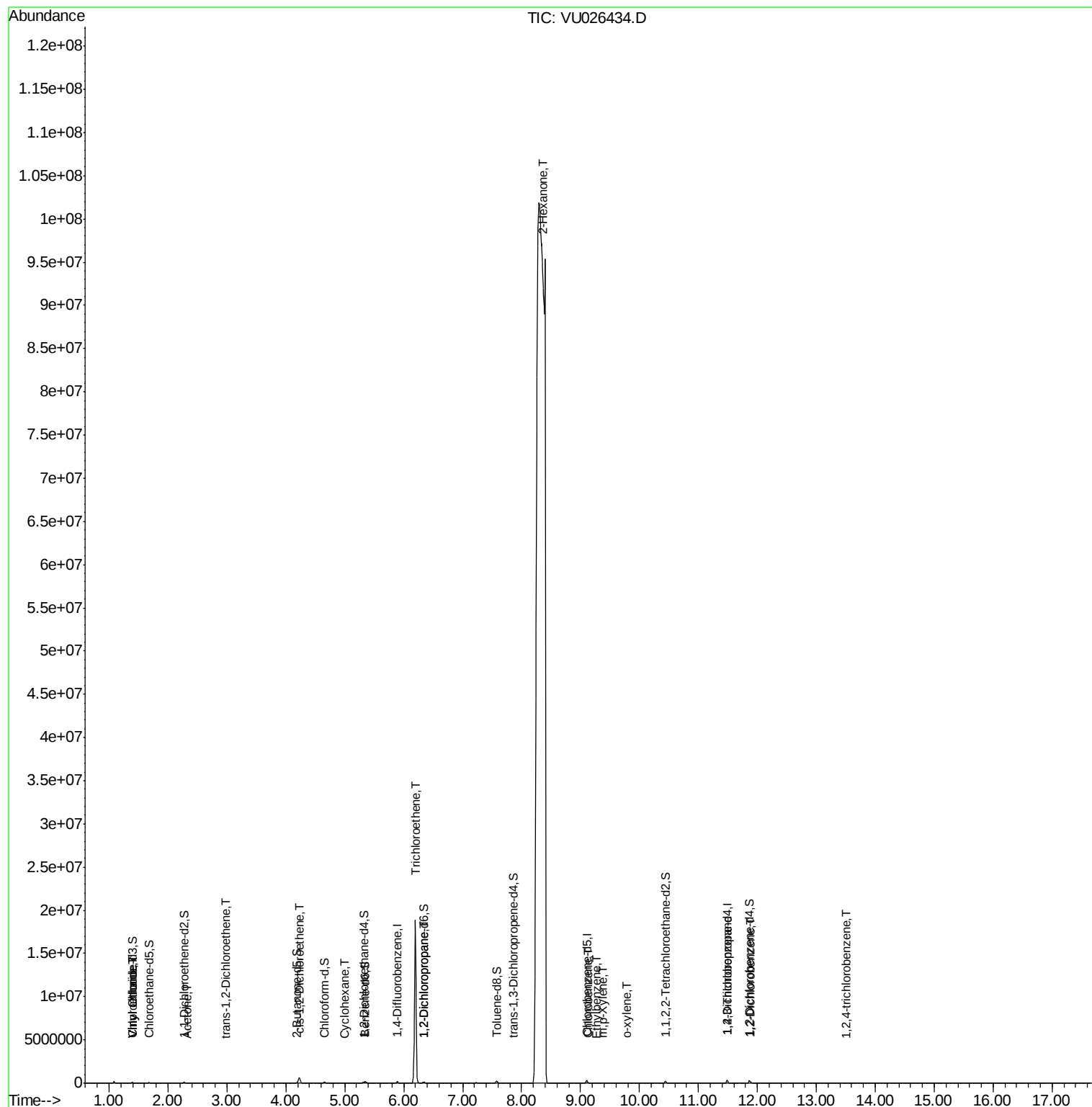
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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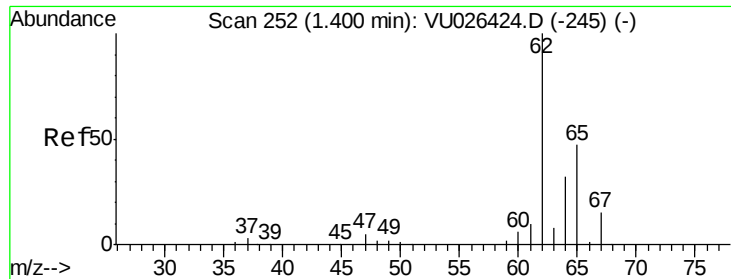
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.594 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026434.D

Acq: 29 Aug 2018 20:10

Instrument :

MSVOA_U

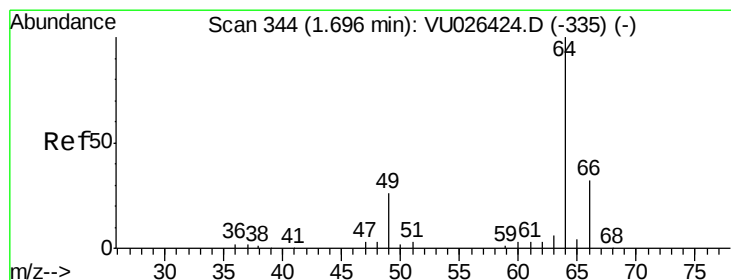
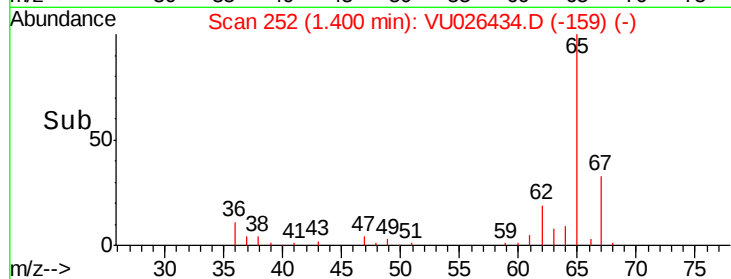
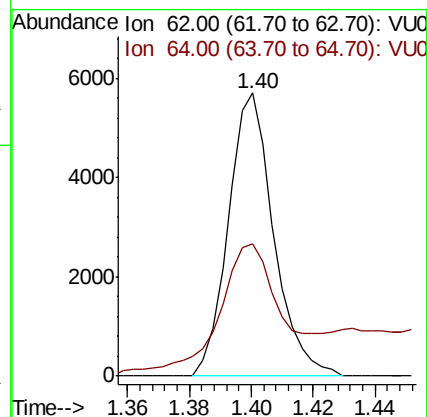
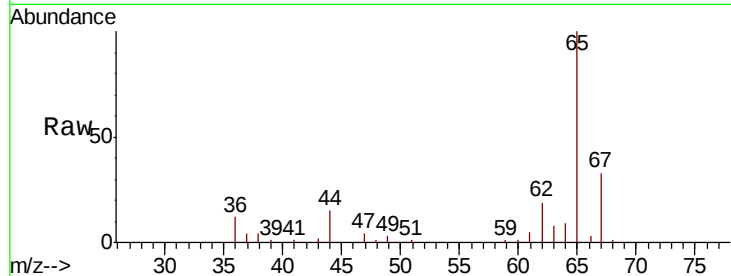
ClientSampleId :

Tot Ion: 62 Resp: 5797

Ion Ratio Lower Upper

62 100

64 46.7 22.4 41.6#



#8

Chloroethane

Concen: 3.778 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.30 min

Lab File: VU026434.D

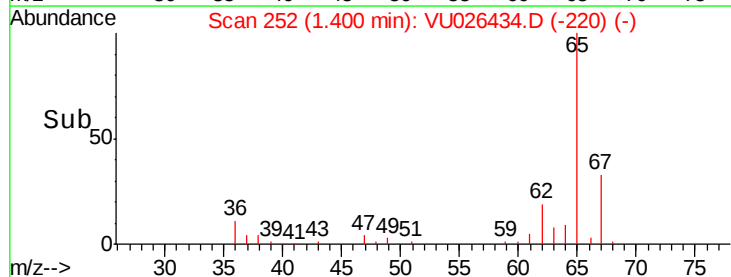
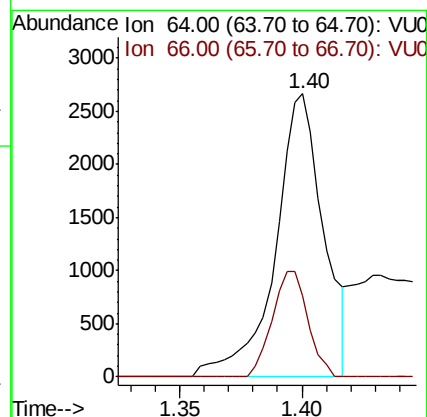
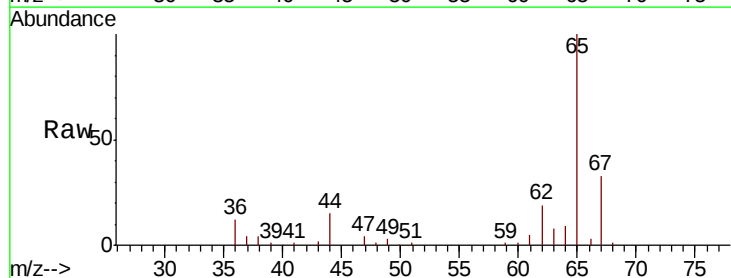
Acq: 29 Aug 2018 20:10

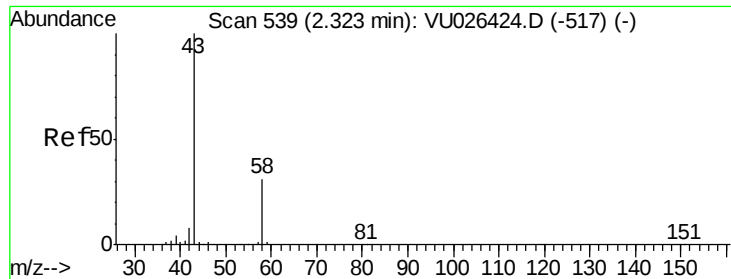
Tgt Ion: 64 Resp: 3659

Ion Ratio Lower Upper

64 100

66 28.8 22.2 41.2





#13

Acetone

Concen: 11.749 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026434.D

Acq: 29 Aug 2018 20:10

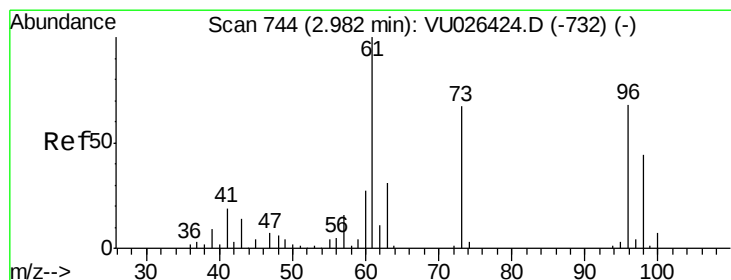
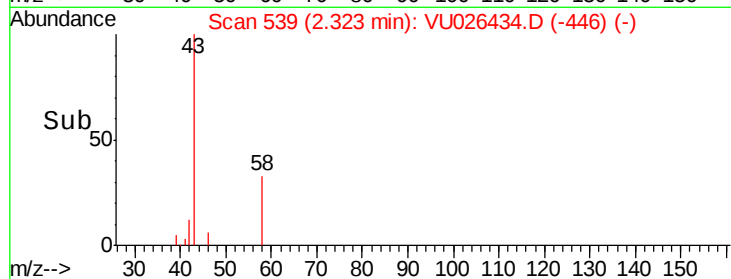
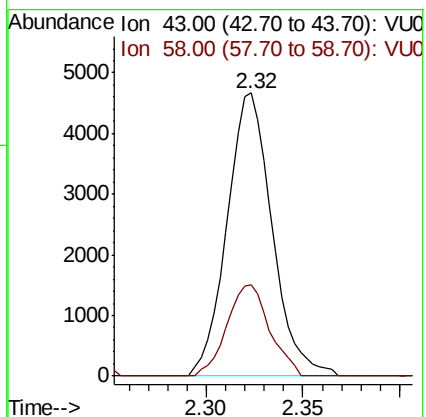
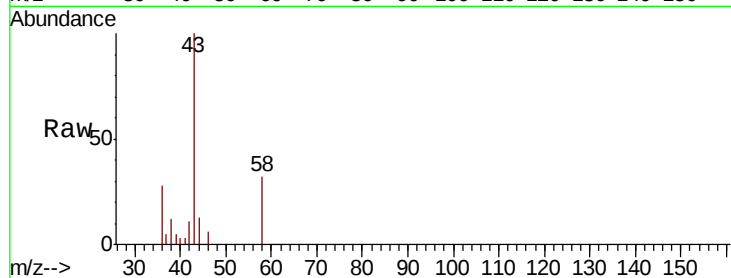
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 7561

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.2



#17

trans-1,2-Dichloroethene

Concen: 6.972 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU026434.D

Acq: 29 Aug 2018 20:10

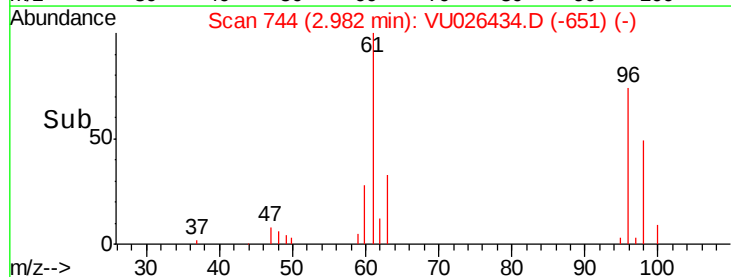
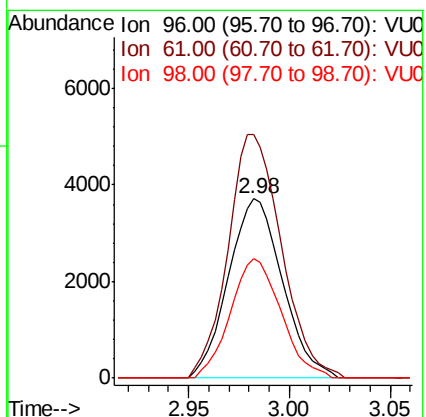
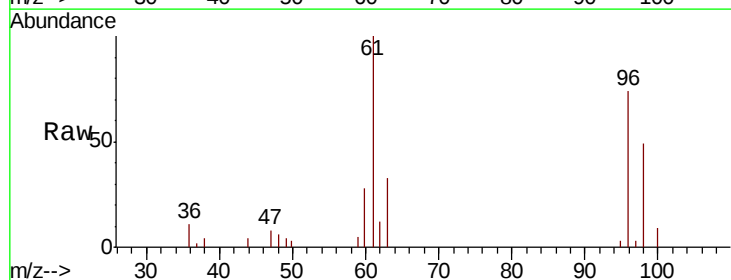
Tgt Ion: 96 Resp: 6957

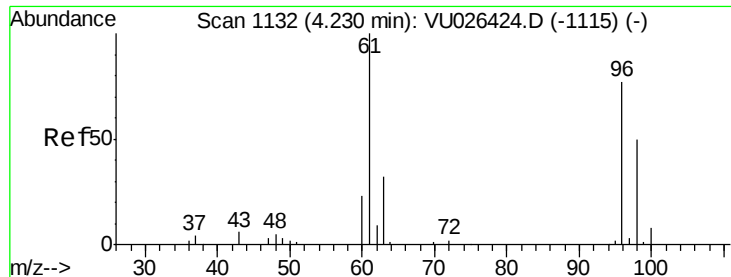
Ion Ratio Lower Upper

96 100

61 136.0 103.2 191.6

98 67.0 44.9 83.3



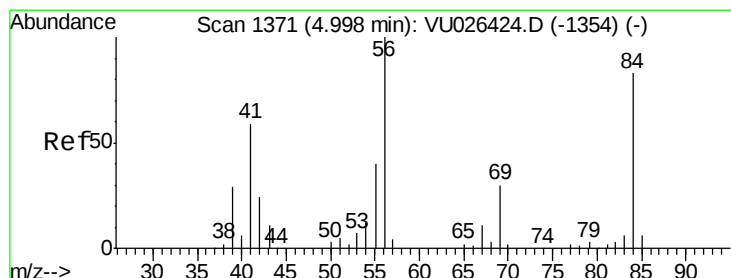
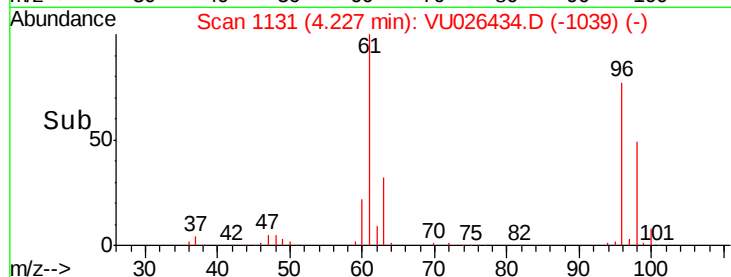
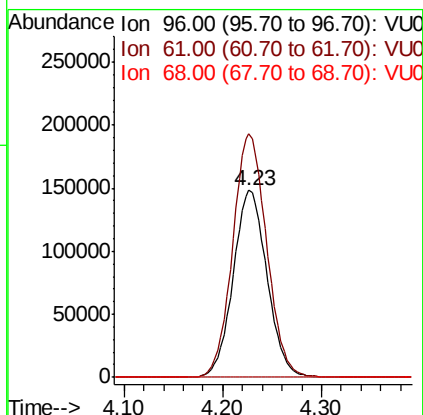
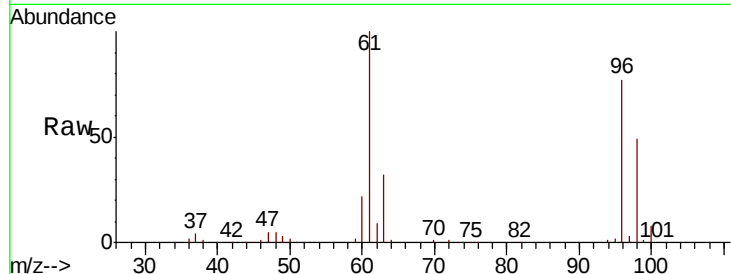


#20
 cis-1,2-Dichloroethene
 Concen: 315.953 ug/L
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU026434.D
 Acq: 29 Aug 2018 20:10

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 353185

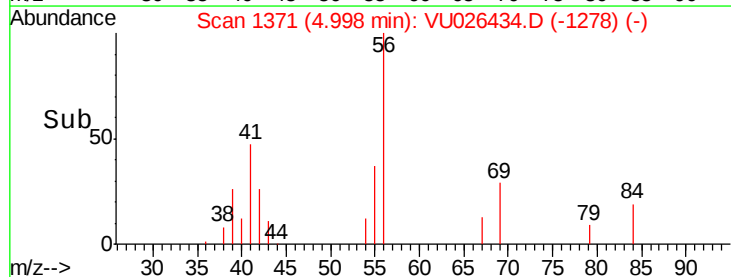
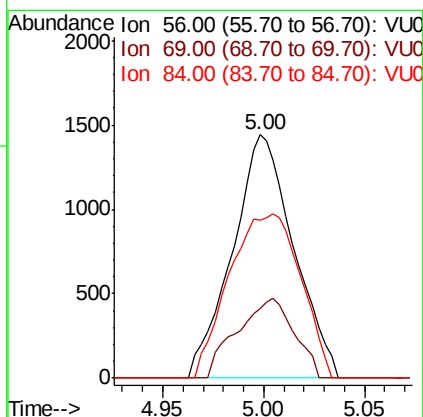
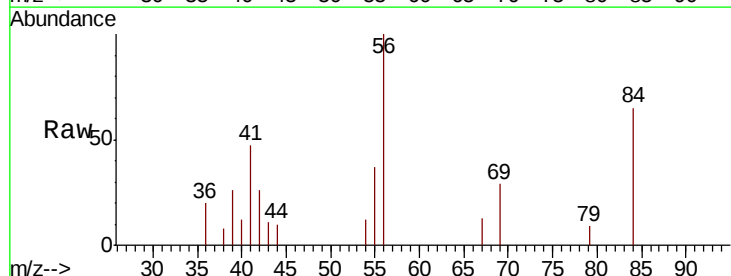
Ion	Ratio	Lower	Upper
96	100		
61	130.3	91.6	170.2
68	0.0	0.0	0.0

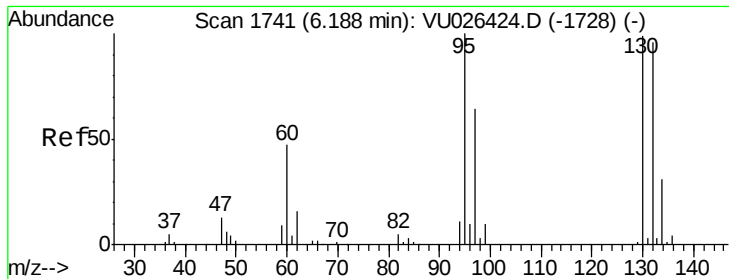


#29
 Cyclohexane
 Concen: 1.569 ug/L
 RT: 5.00 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VU026434.D
 Acq: 29 Aug 2018 20:10

Tgt Ion: 56 Resp: 3044

Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.0	36.0
84	38.0	67.2	100.8#

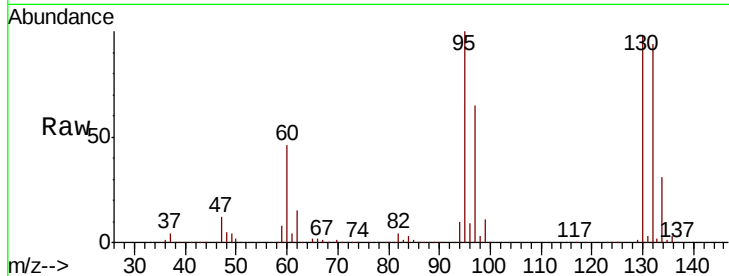




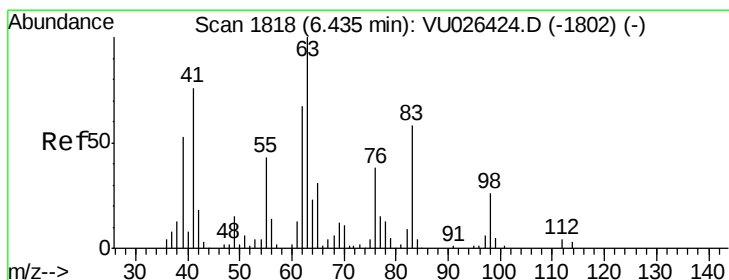
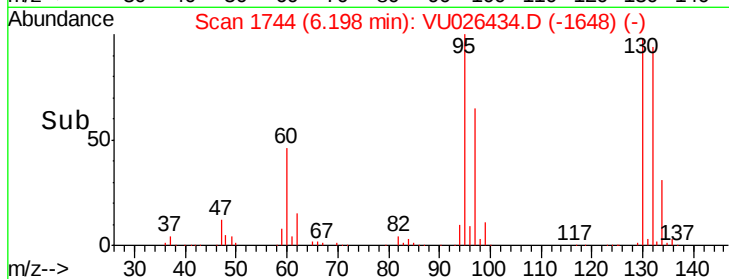
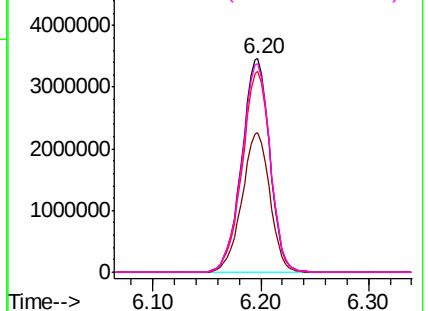
#34
 Trichloroethene
 Concen: 4891.774 ug/L
 RT: 6.20 min Scan# 1744
 Delta R.T. 0.01 min
 Lab File: VU026434.D
 Acq: 29 Aug 2018 20:10

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 6265094
 Ion Ratio Lower Upper
 95 100
 97 65.3 45.1 83.7
 132 94.3 67.5 125.3
 130 97.7 69.3 128.7

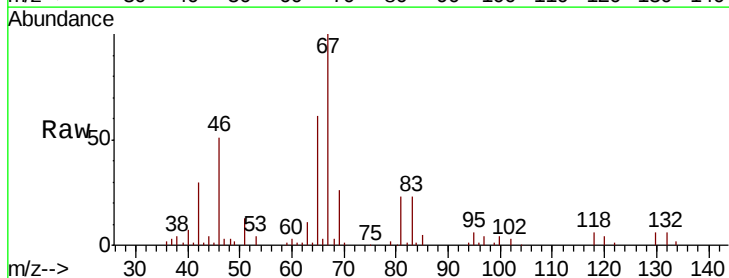


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

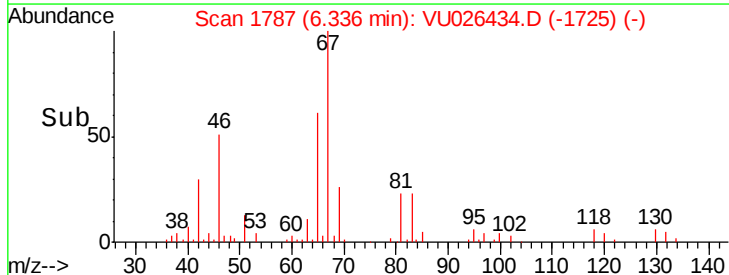
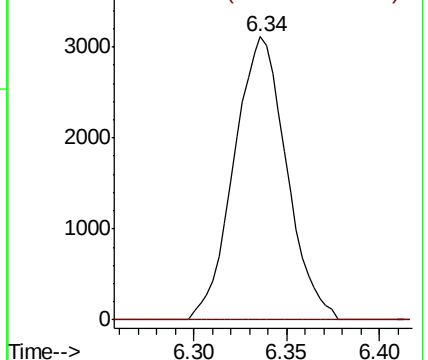


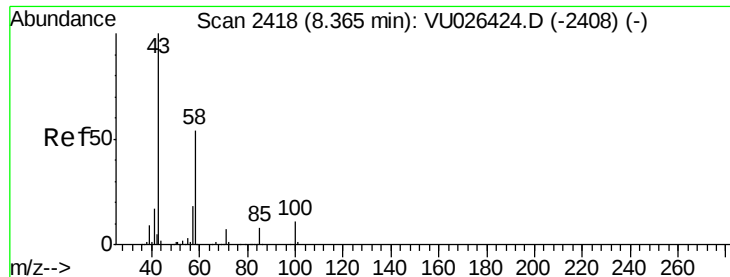
#37
 1,2-Dichloropropane
 Concen: 4.325 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU026434.D
 Acq: 29 Aug 2018 20:10

Tgt Ion: 63 Resp: 6113
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V

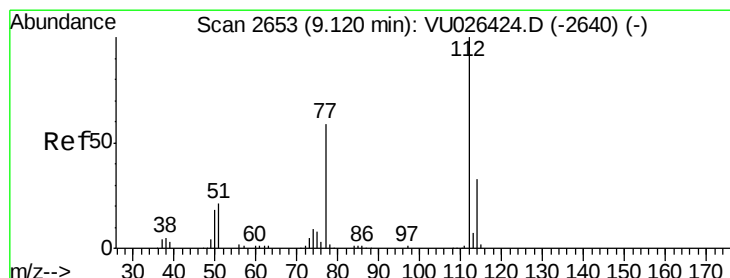
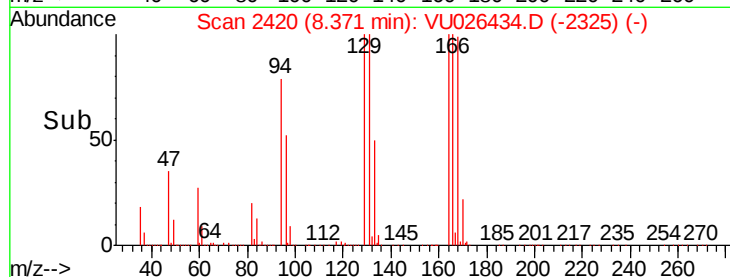
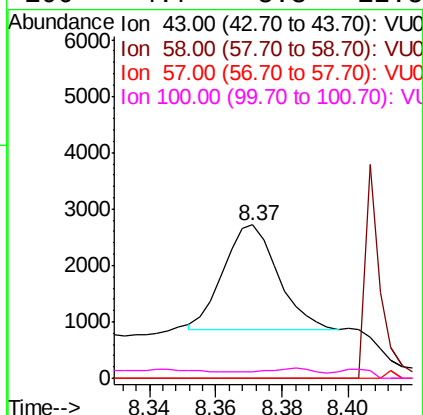
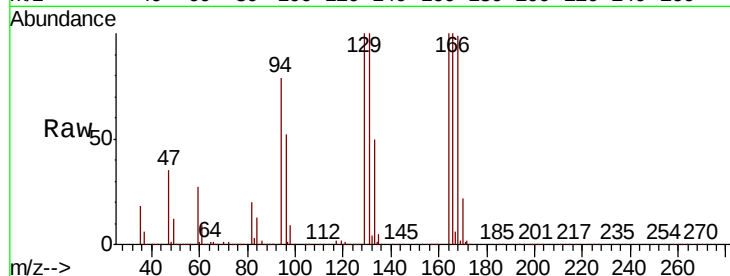




#48
2-Hexanone
Concen: 1.408 ug/L
RT: 8.37 min Scan# 2420
Delta R.T. 0.01 min
Lab File: VU026434.D
Acq: 29 Aug 2018 20:10

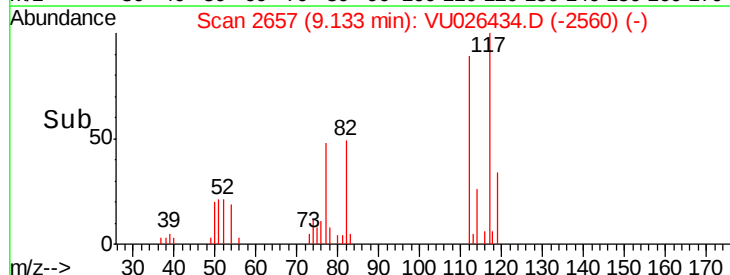
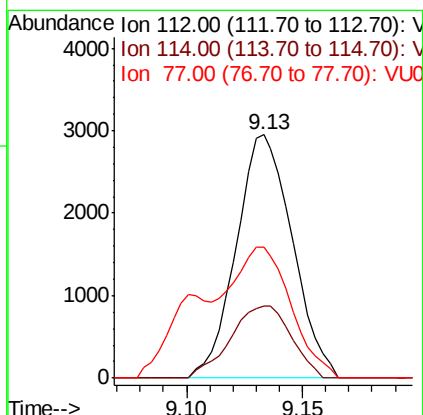
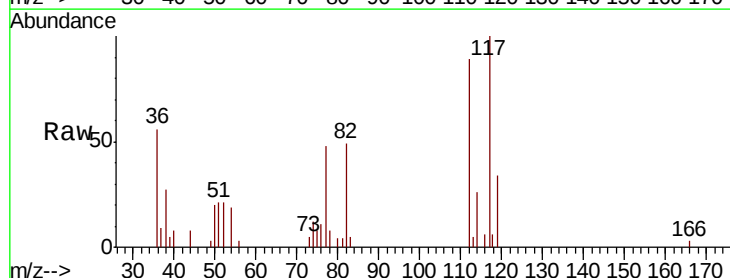
Instrument :
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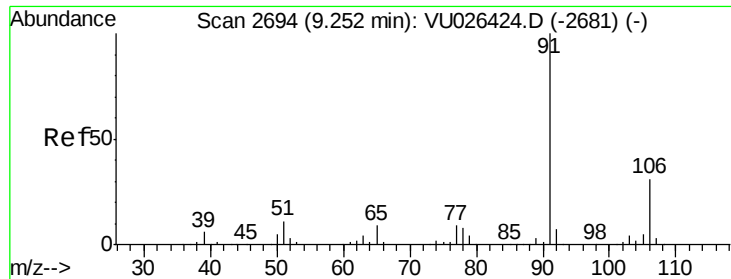
Tot Ion:	43	Resp:	2114
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.2	63.4#
57	0.0	14.6	21.8#
100	4.7	8.3	12.5#



#51
Chlorobenzene
Concen: 1.392 ug/L
RT: 9.13 min Scan# 2657
Delta R.T. 0.01 min
Lab File: VU026434.D
Acq: 29 Aug 2018 20:10

Tgt Ion:	112	Resp:	4958
Ion	Ratio	Lower	Upper
112	100		
114	29.7	23.2	43.2
77	53.7	47.3	70.9





#52

Ethylbenzene

Concen: 1.373 ug/L

RT: 9.26 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VU026434.D

Acq: 29 Aug 2018 20:10

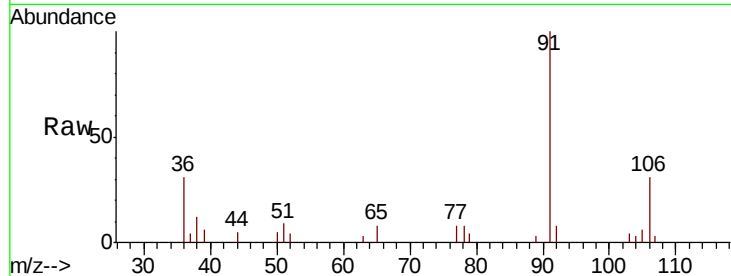
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 7958

Ion Ratio Lower Upper

91 100

106 30.6 21.6 40.2

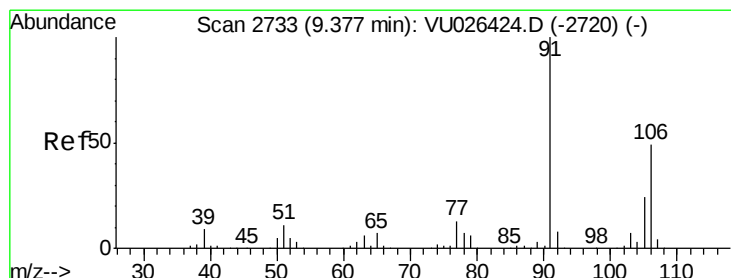
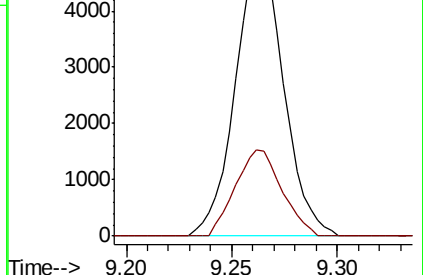
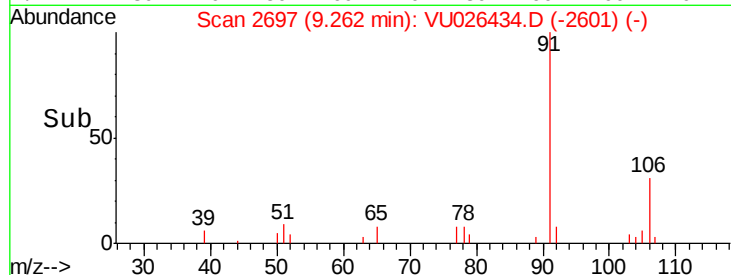


Abundance Ion 91.00 (90.70 to 91.70): VU026434.D (-2697) (-)

Ion 106.00 (105.70 to 106.70): VU026434.D (-2697) (-)

9.26

Time-->



#53

m,p-Xylene

Concen: 5.544 ug/L

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU026434.D

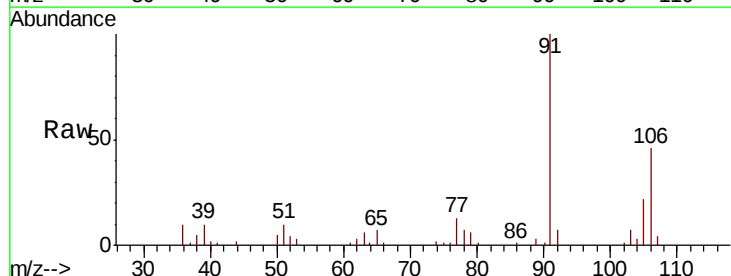
Acq: 29 Aug 2018 20:10

Tgt Ion: 106 Resp: 11996

Ion Ratio Lower Upper

106 100

91 215.2 143.0 265.6

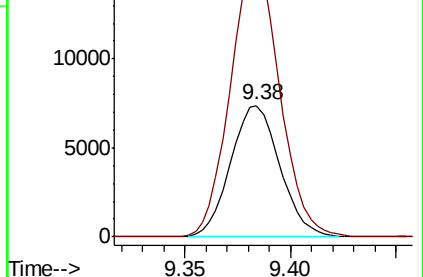
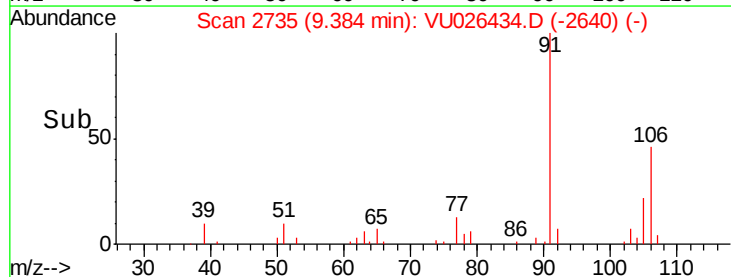


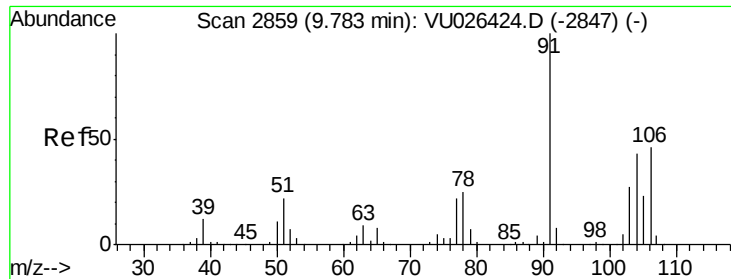
Abundance Ion 106.00 (105.70 to 106.70): VU026434.D (-2735) (-)

Ion 91.00 (90.70 to 91.70): VU026434.D (-2735) (-)

9.38

Time-->

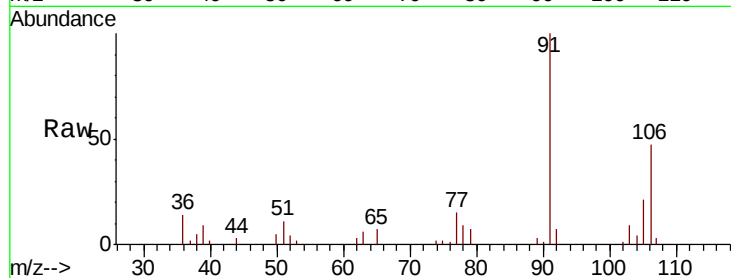




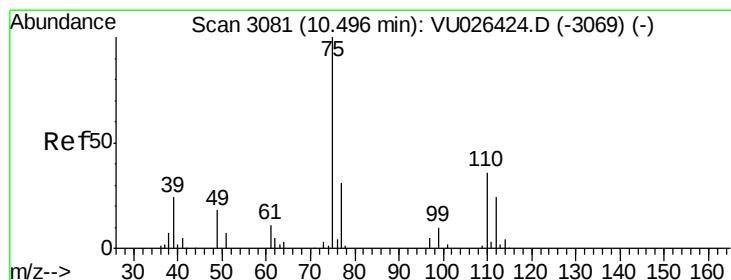
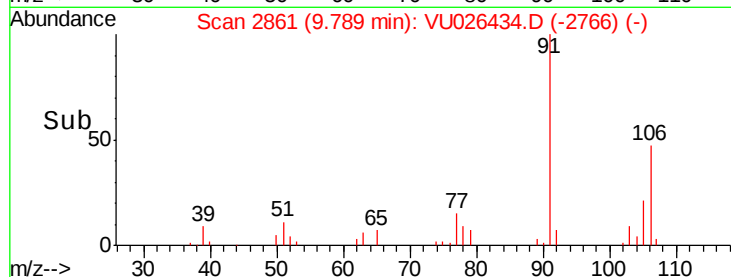
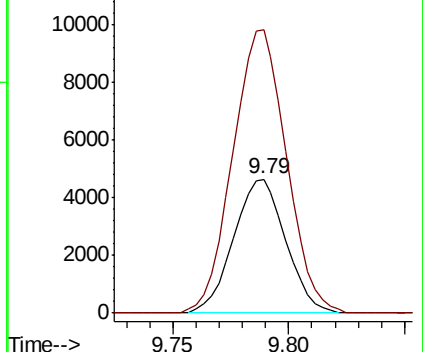
#54
o-xylene
Concen: 3.435 ug/L
RT: 9.79 min Scan# 2861
Delta R.T. 0.01 min
Lab File: VU026434.D
Acq: 29 Aug 2018 20:10

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 7248
Ion Ratio Lower Upper
106 100
91 211.8 153.3 284.7

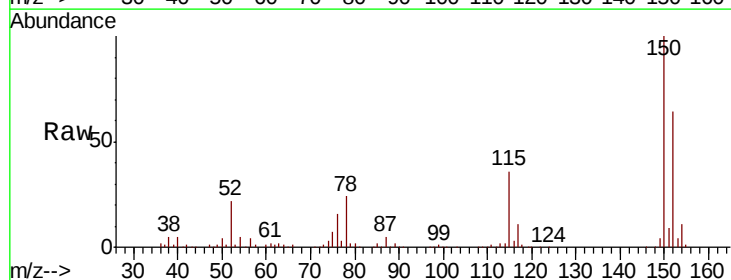


Abundance Ion 106.00 (105.70 to 106.70): VU026434.D (-2847) (-)
Ion 91.00 (90.70 to 91.70): VU026434.D (-2847) (-)

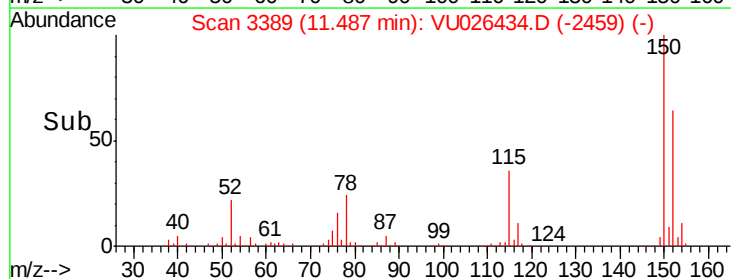
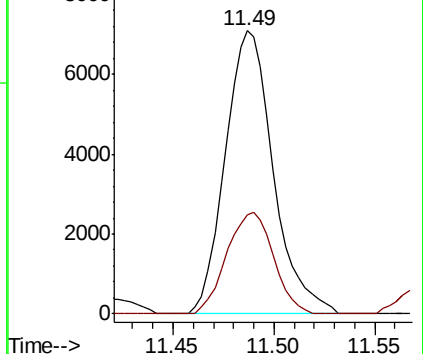


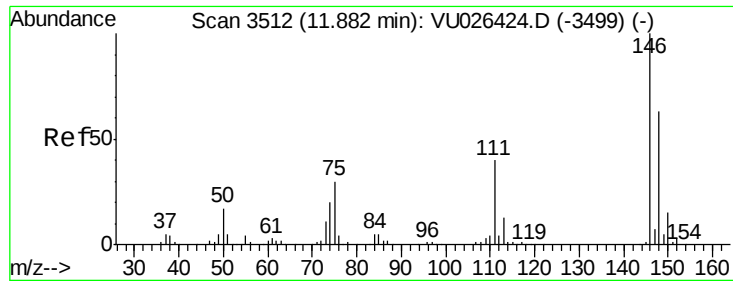
#59
1,2,3-Trichloropropane
Concen: 6.678 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU026434.D
Acq: 29 Aug 2018 20:10

Tgt Ion: 75 Resp: 11778
Ion Ratio Lower Upper
75 100
77 34.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VU026434.D (-3069) (-)
Ion 77.00 (76.70 to 77.70): VU026434.D (-3069) (-)





#65

1,2-Dichlorobenzene

Concen: 6.493 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026434.D

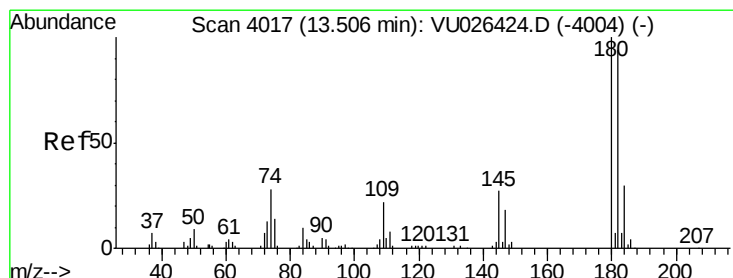
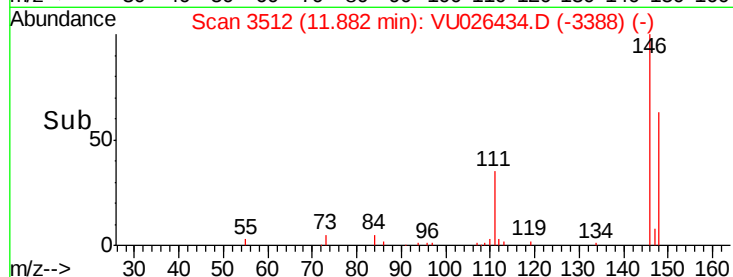
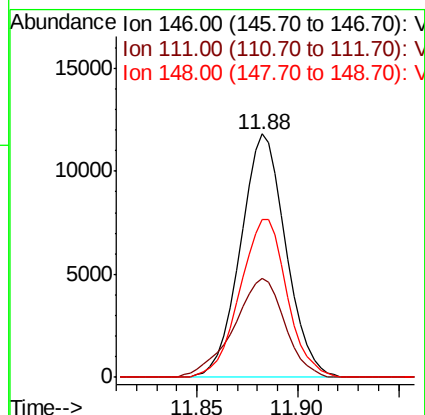
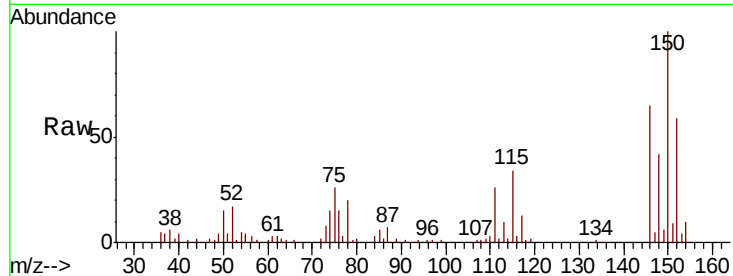
Acq: 29 Aug 2018 20:10

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	146	Resp:	18611
Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.0	48.0
148	64.6	50.2	75.2



#68

1,2,4-trichlorobenzene

Concen: 1.464 ug/L

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU026434.D

Acq: 29 Aug 2018 20:10

Tgt Ion:	180	Resp:	2805
Ion	Ratio	Lower	Upper
180	100		
182	90.4	76.6	114.8
145	23.1	22.4	33.6

