

Data File : VU029826.D
Acq On : 05 Mar 2019 17:02
Operator : JC/SP
Sample : K1660-02DL 5X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJY2DL

Quant Time: Mar 06 02:54:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Mar 06 02:51:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	238490	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	228086	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113050	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82053	5.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.40%
7) Chloroethane-d5	1.68	69	68813	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	112713	3.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.40%
20) 2-Butanone-d5	4.20	46	183876	52.22	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.44%
24) Chloroform-d	4.65	84	139294	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.31	65	69668	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.34	84	299449	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.33	67	90944	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.56	98	272270	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.85	79	33479	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.31	63	175287	51.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.26%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	72516	4.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	109763	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	1333	0.066	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1161	0.062	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	2137	0.121	ug/L #	1
13) Acetone	2.34	43	1879	0.743	ug/L	90
18) trans-1,2-Dichloroethene	2.98	96	1178	0.061	ug/L	95
22) cis-1,2-Dichloroethene	4.23	96	65240	3.700	ug/L	95
25) Chloroform	4.67	83	2418	0.081	ug/L	90
27) 1,2-Dichloroethane	5.33	62	1451	0.082	ug/L #	74
34) Trichloroethene	6.18	95	245016	14.561	ug/L	98
35) Methylcyclohexane	6.33	83	21076	0.772	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	9431	0.621	ug/L #	86
39) cis-1,3-Dichloropropene	7.22	75	2112	0.095	ug/L #	79
42) Toluene	7.64	91	8271	0.121	ug/L	99
47) Tetrachloroethene	8.22	164	5941	0.380	ug/L	91
48) 2-Hexanone	8.36	43	2374	0.380	ug/L #	90
49) Dibromochloromethane	8.22	129	5036	0.350	ug/L #	12
51) Chlorobenzene	9.12	112	3811	0.081	ug/L #	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030619\
Quantitation Report (Not Reviewed)

Data File : VU029826.D
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	11789	1.163	ug/L	89

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

Data File : VU029826.D

Acq On : 05 Mar 2019 17:02

Operator : JC/SP

Sample : K1660-02DL 5X

Misc : 25.0mL/MSVOA U/WATER

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
CWJY2DL

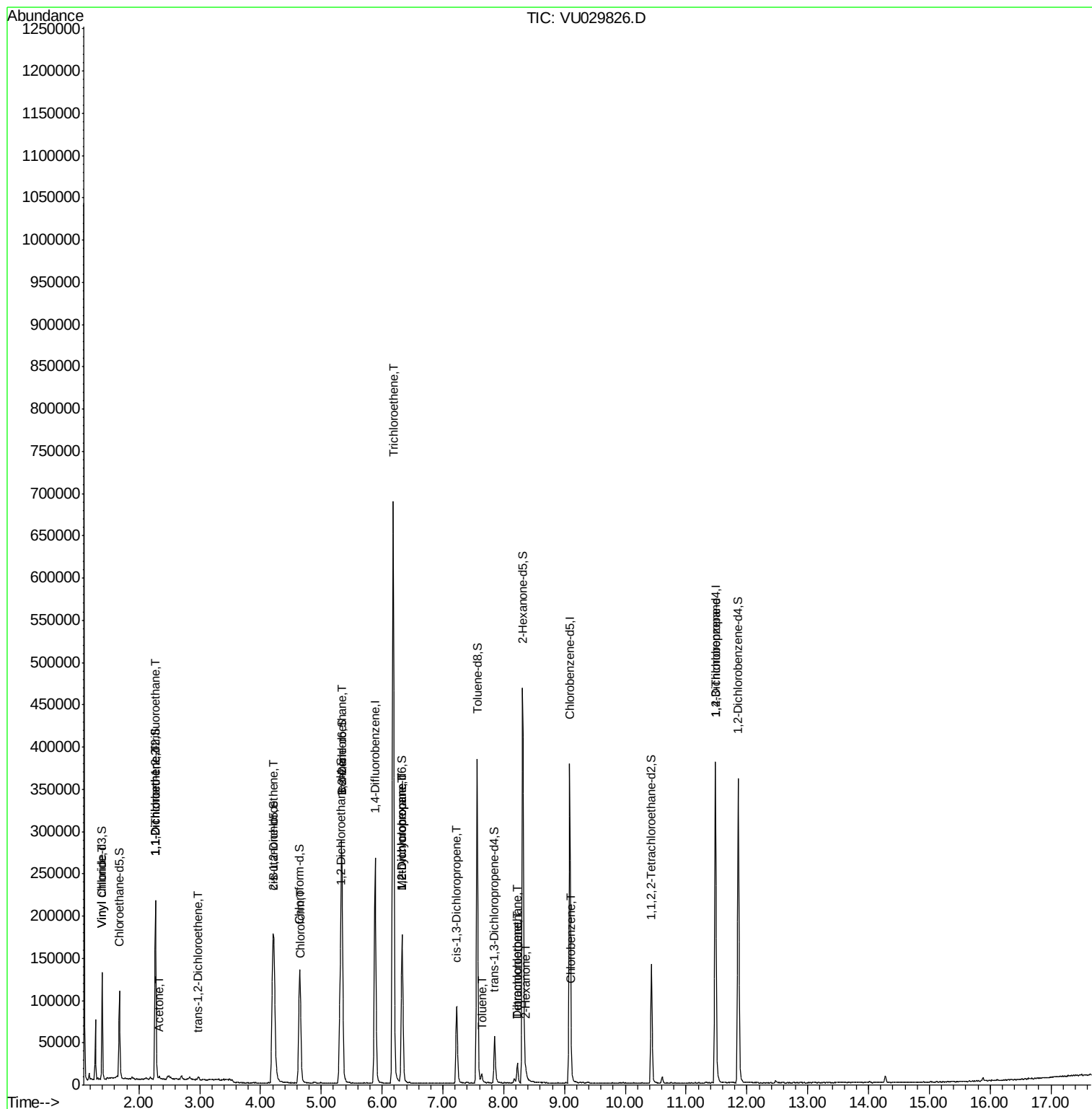
Quant Time: Mar 06 02:54:19 2019

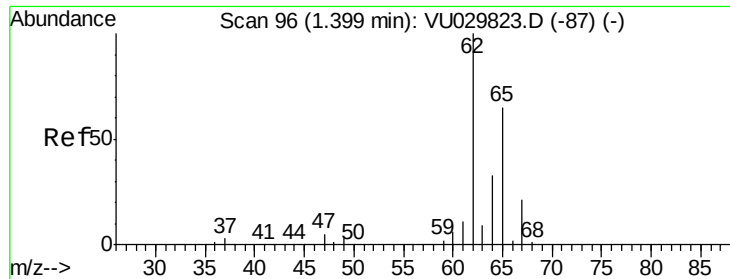
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Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Mar 06 02:51:24 2019

Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.066 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

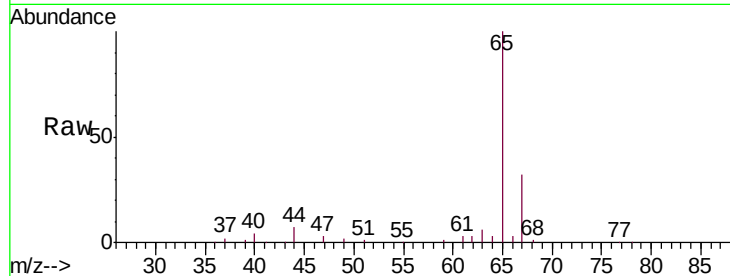
CWJY2DL

Tgt Ion: 62 Resp: 1333

Ion Ratio Lower Upper

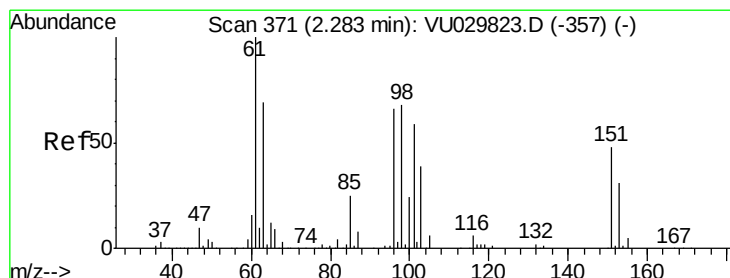
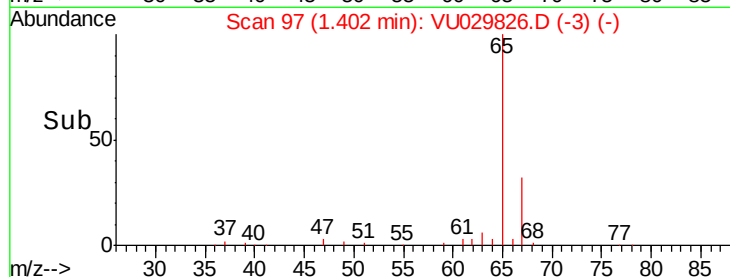
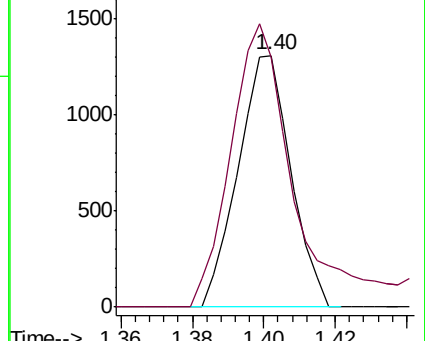
62 100

64 99.5 24.8 46.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#10

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

Concen: 0.062 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

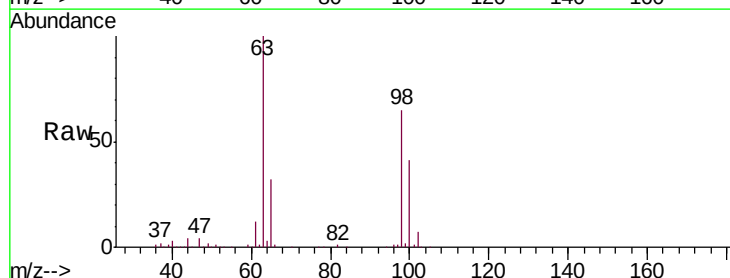
Tgt Ion: 101 Resp: 1161

Ion Ratio Lower Upper

101 100

85 1.7 32.8 49.2#

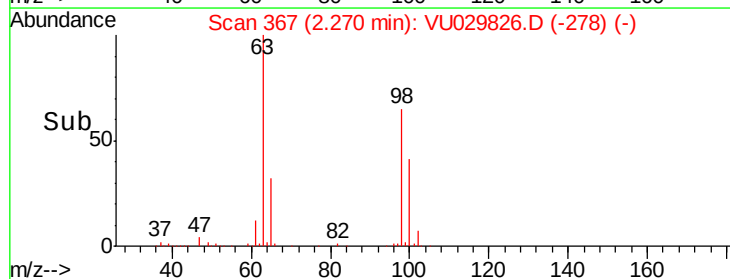
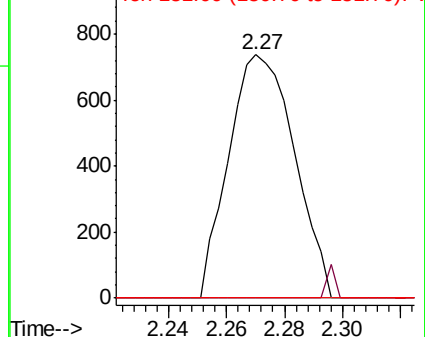
151 0.0 65.9 98.9#

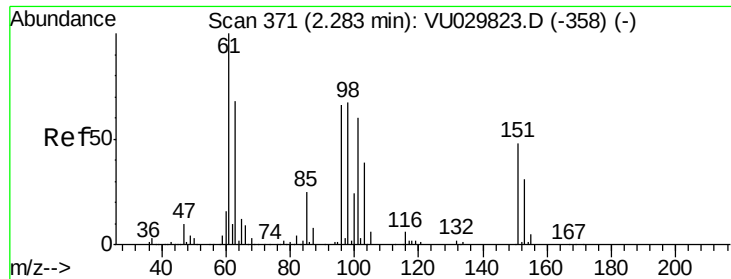


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

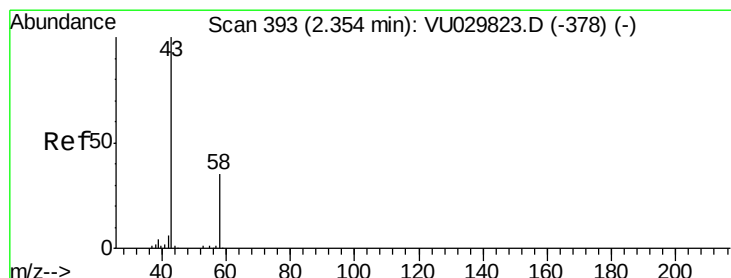
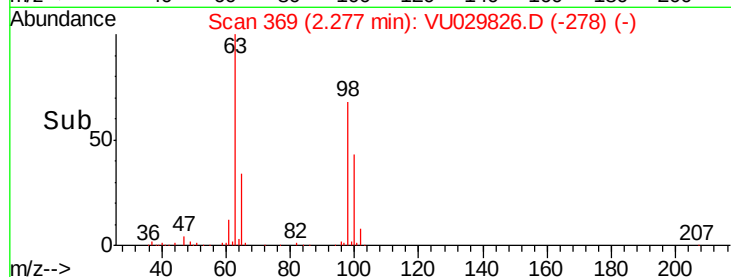
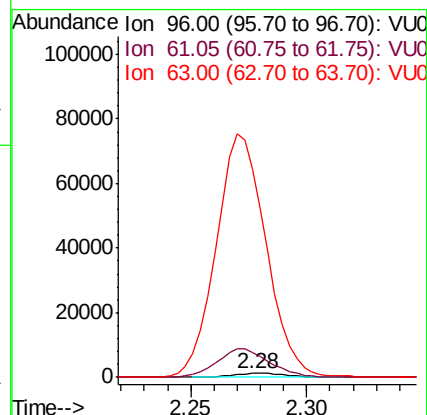
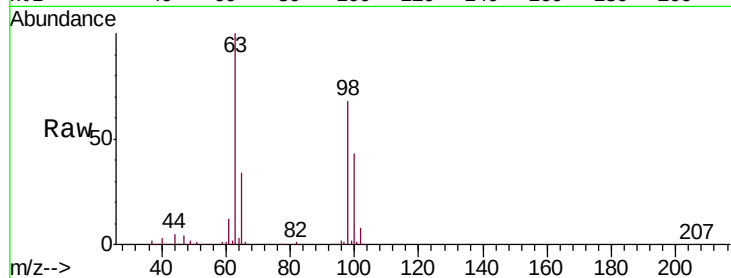




#12
 1,1-Dichloroethene
 Concen: 0.121 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.01 min
 Lab File: VU029826.D
 Acq: 05 Mar 2019 17:02

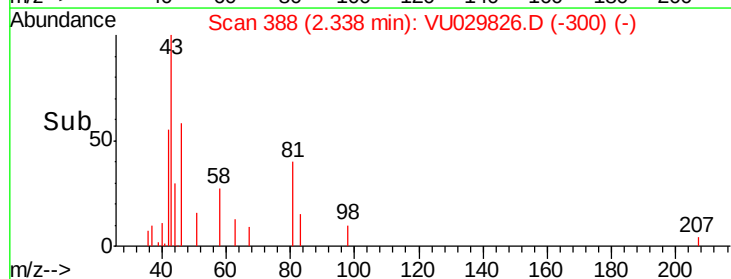
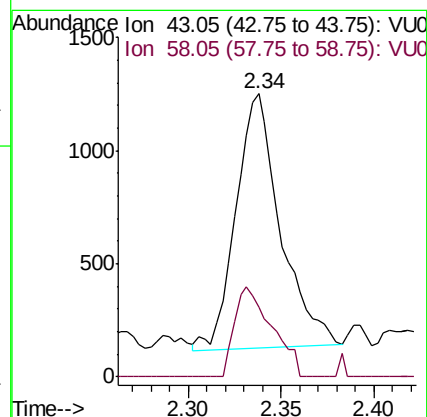
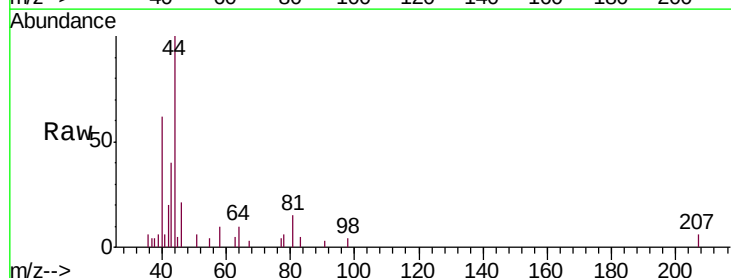
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJY2DL

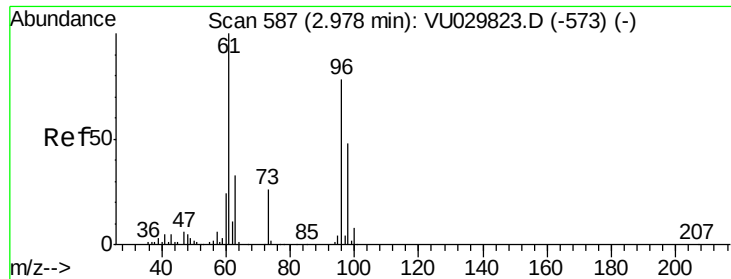
Tgt Ion: 96 Resp: 2137
 Ion Ratio Lower Upper
 96 100
 61 651.8 111.3 206.7#
 63 5362.7 88.5 164.3#



#13
 Acetone
 Concen: 0.743 ug/L
 RT: 2.34 min Scan# 388
 Delta R.T. -0.02 min
 Lab File: VU029826.D
 Acq: 05 Mar 2019 17:02

Tgt Ion: 43 Resp: 1879
 Ion Ratio Lower Upper
 43 100
 58 29.5 0.0 70.2





#18

trans-1,2-Dichloroethene

Concen: 0.061 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

CWJY2DL

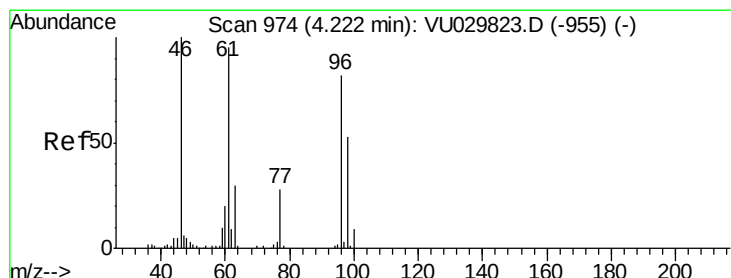
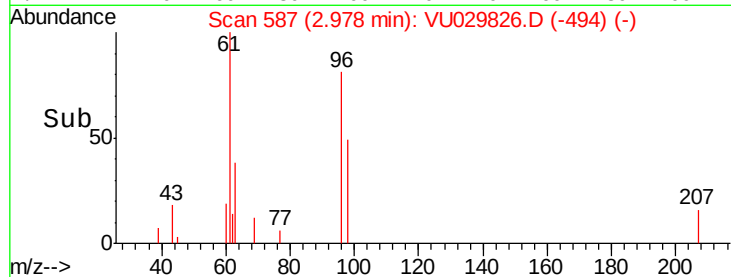
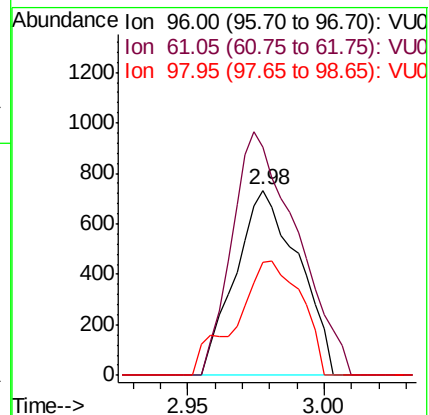
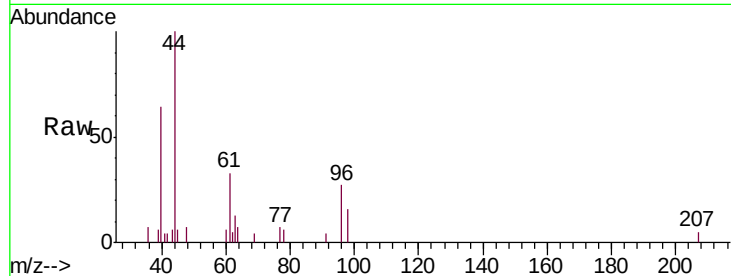
Tgt Ion: 96 Resp: 1178

Ion Ratio Lower Upper

96 100

61 123.5 90.3 167.7

98 61.1 45.2 84.0



#22

cis-1,2-Dichloroethene

Concen: 3.700 ug/L

RT: 4.23 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

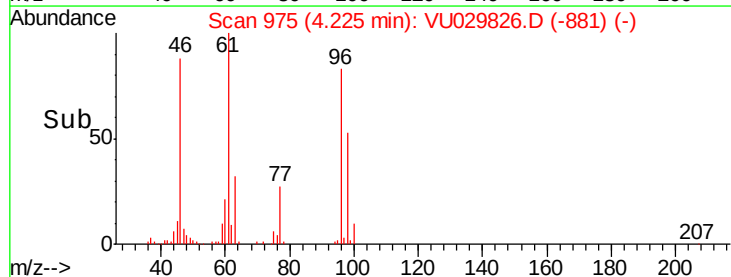
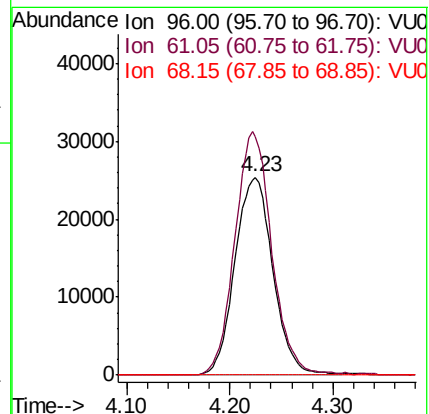
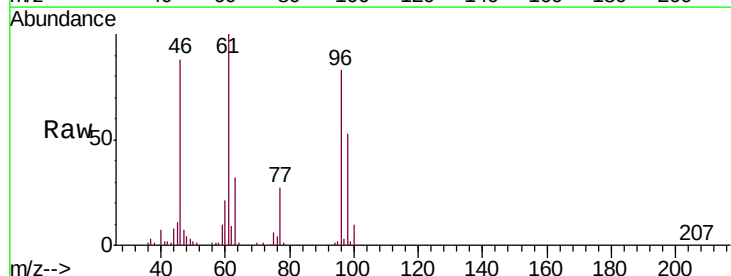
Tgt Ion: 96 Resp: 65240

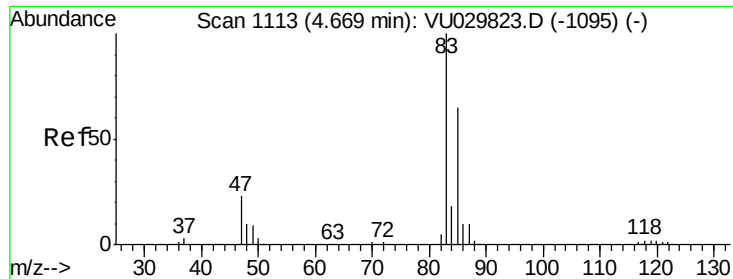
Ion Ratio Lower Upper

96 100

61 120.3 80.2 149.0

68 0.0 0.0 0.0

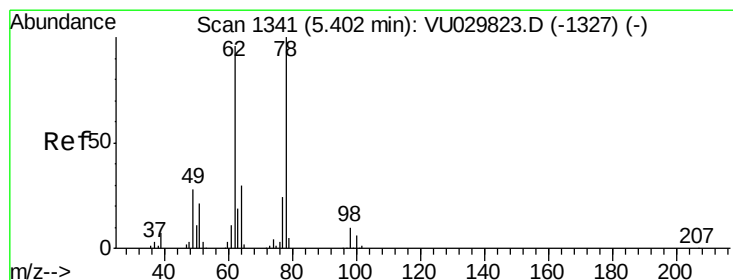
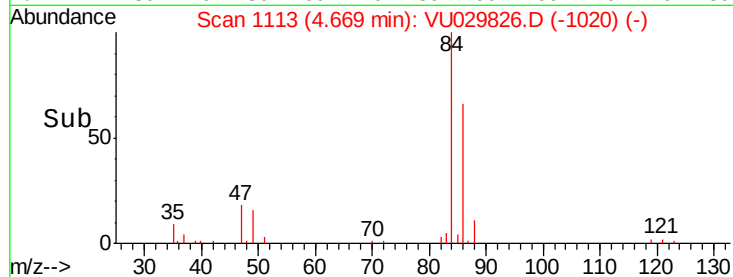
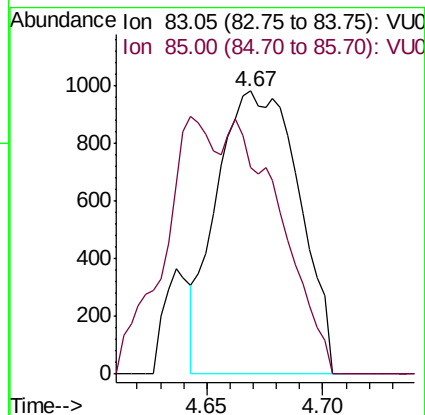
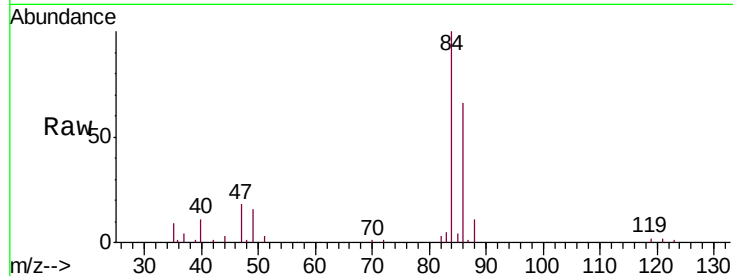




#25
Chloroform
Concen: 0.081 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

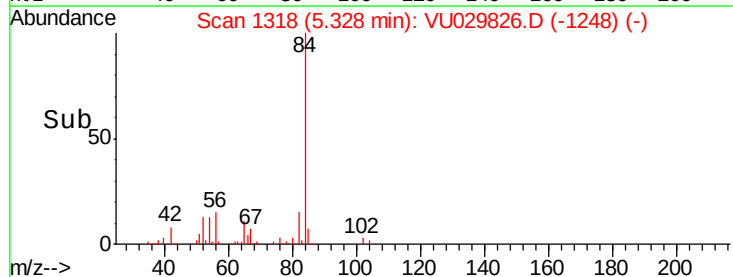
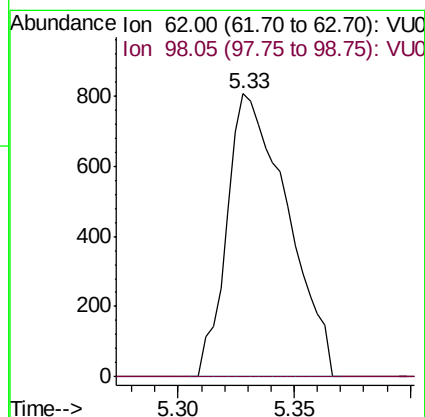
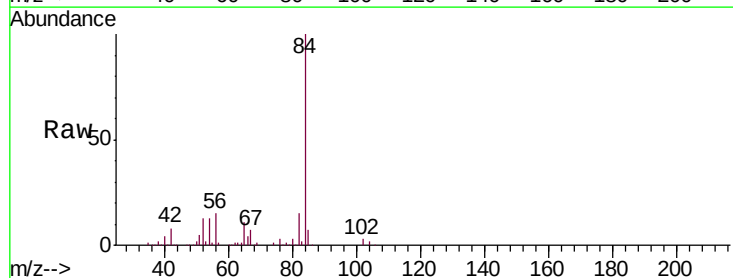
Instrument :
MSVOA_U
ClientSampleID :
CWJY2DL

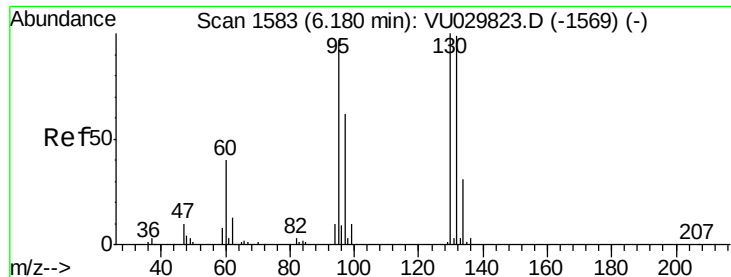
Tgt Ion: 83 Resp: 2418
Ion Ratio Lower Upper
83 100
85 73.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 0.082 ug/L
RT: 5.33 min Scan# 1318
Delta R.T. -0.07 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

Tgt Ion: 62 Resp: 1451
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#34

Trichloroethene

Concen: 14.561 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

CWJY2DL

Tgt Ion: 95 Resp: 245016

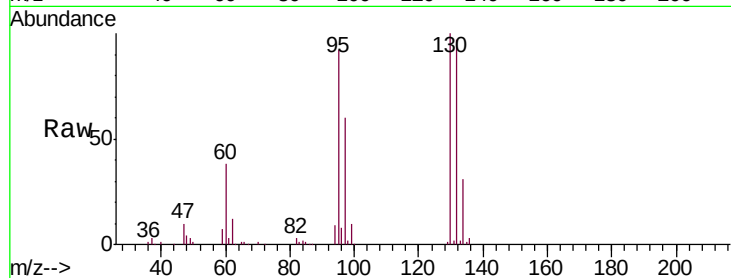
Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.8

132 105.7 72.9 135.3

130 108.4 77.5 143.9

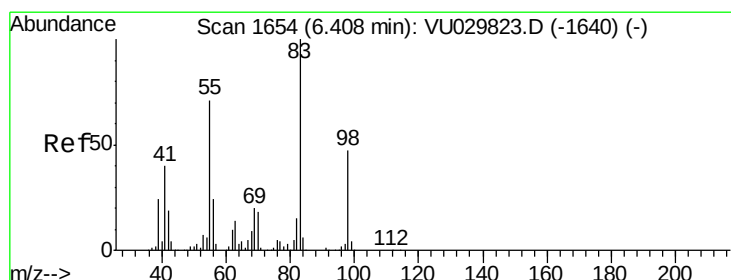
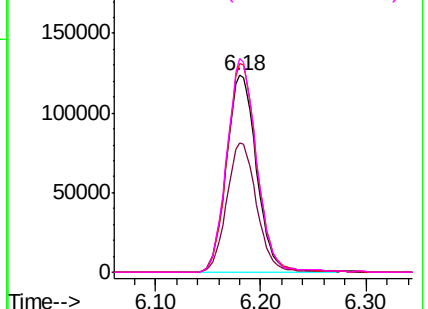
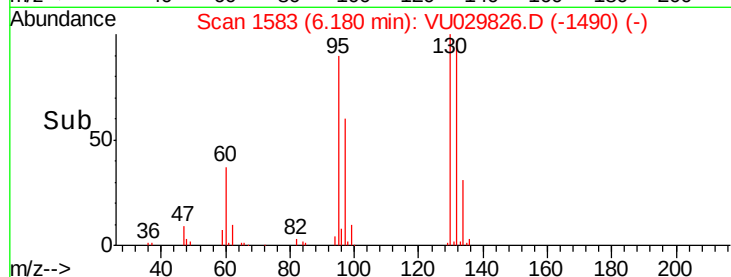


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.772 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

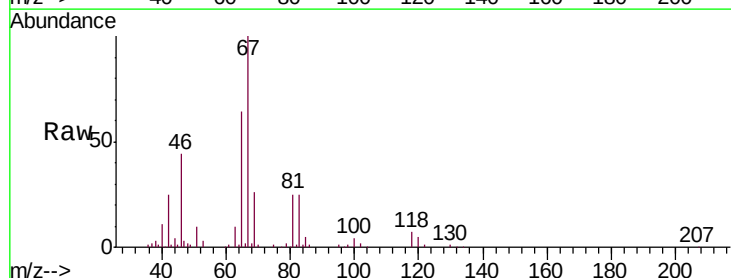
Tgt Ion: 83 Resp: 21076

Ion Ratio Lower Upper

83 100

55 0.2 56.5 84.7#

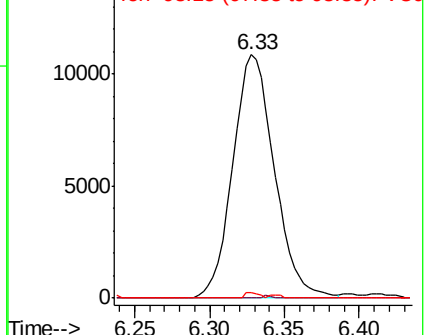
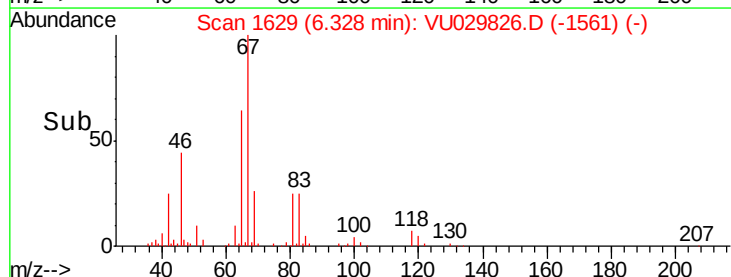
98 0.0 39.4 59.2#

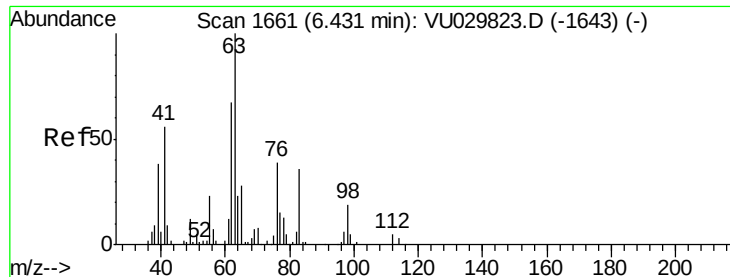


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

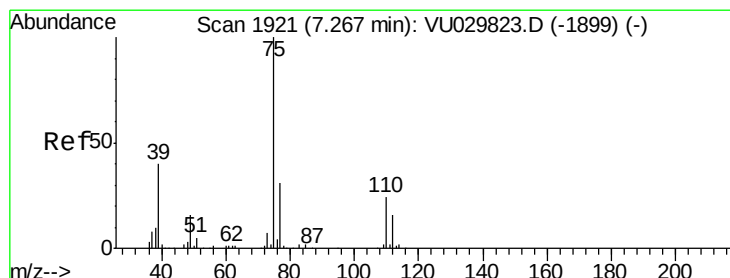
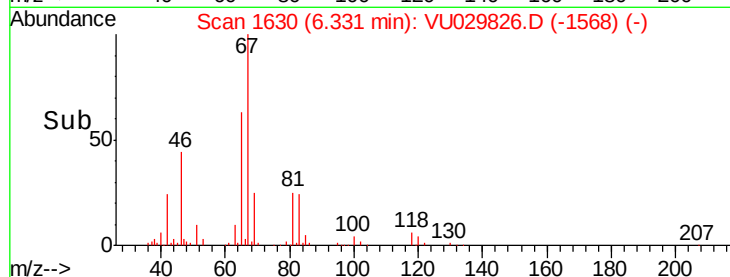
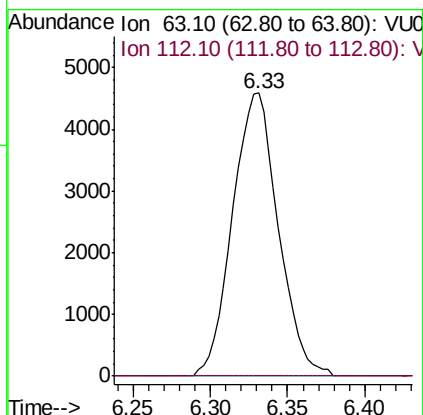
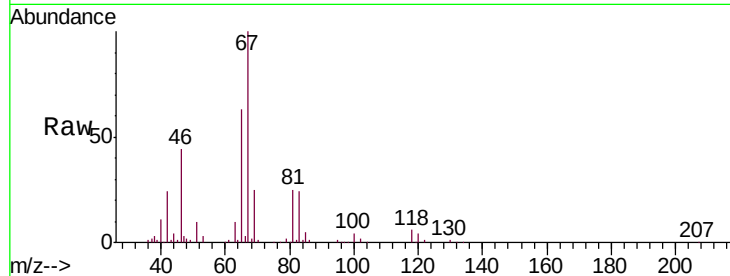




#37
 1,2-Dichloropropane
 Concen: 0.621 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029826.D
 Acq: 05 Mar 2019 17:02

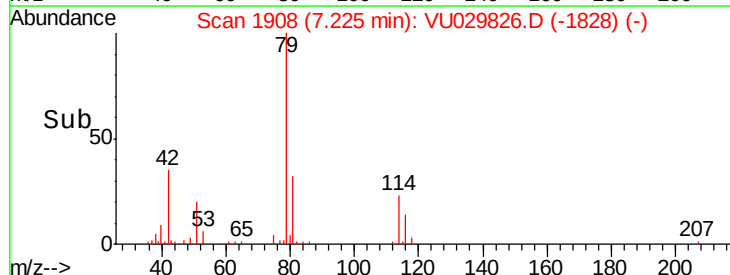
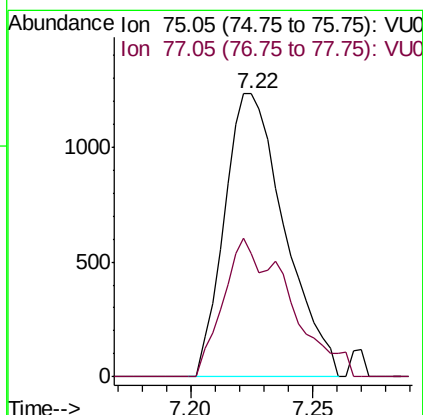
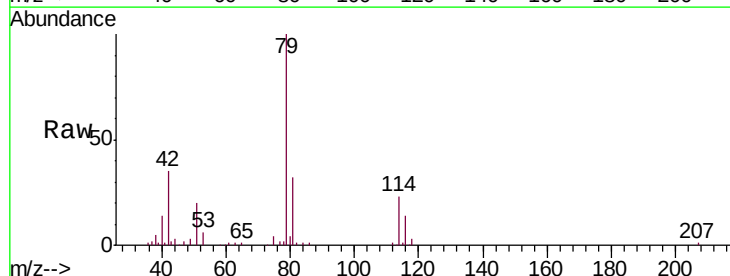
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJY2DL

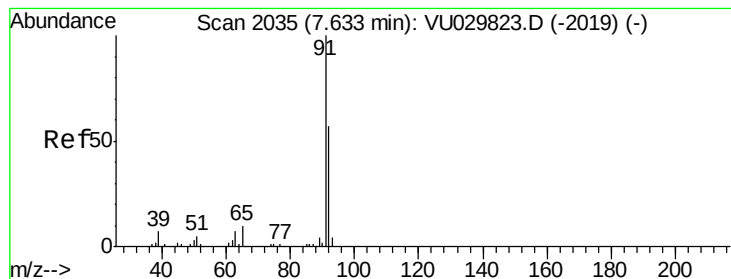
Tgt Ion: 63 Resp: 9431
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU029826.D
 Acq: 05 Mar 2019 17:02

Tgt Ion: 75 Resp: 2112
 Ion Ratio Lower Upper
 75 100
 77 43.5 22.3 41.5#





#42

Toluene

Concen: 0.121 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

Instrument :

MSVOA_U

ClientSampleId :

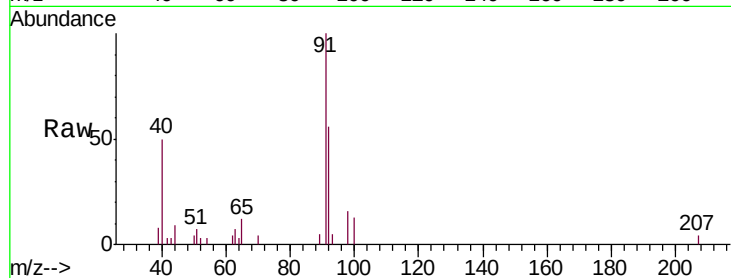
CWJY2DL

Tgt Ion: 91 Resp: 8271

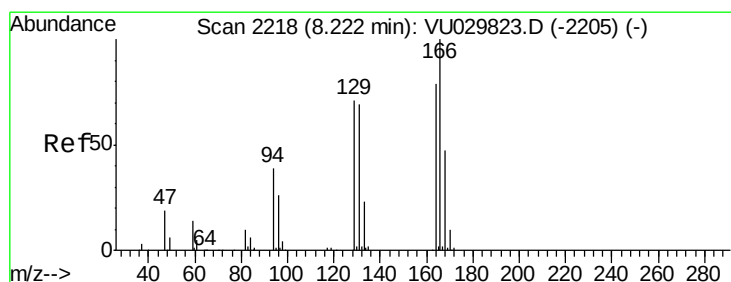
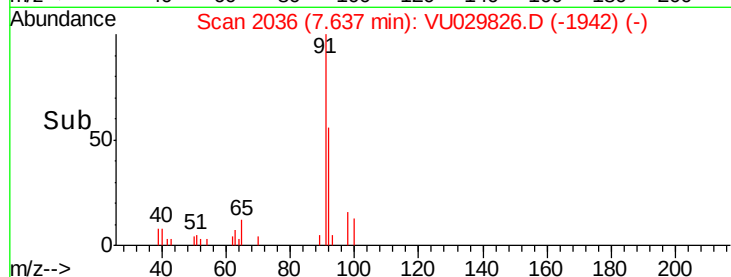
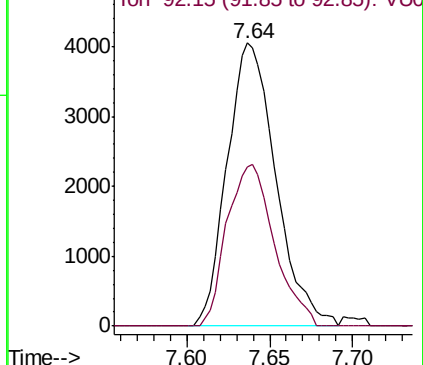
Ion Ratio Lower Upper

91 100

92 56.4 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU029823.D (-2019) (-)



#47

Tetrachloroethene

Concen: 0.380 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029826.D

Acq: 05 Mar 2019 17:02

Tgt Ion: 164 Resp: 5941

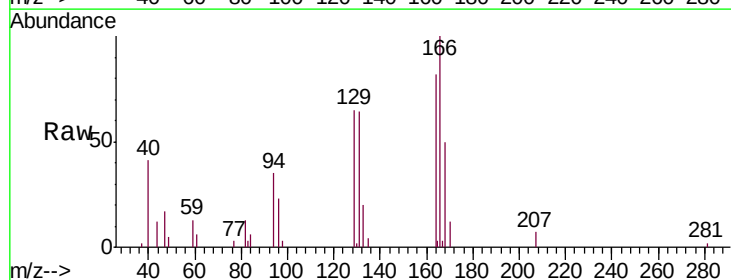
Ion Ratio Lower Upper

164 100

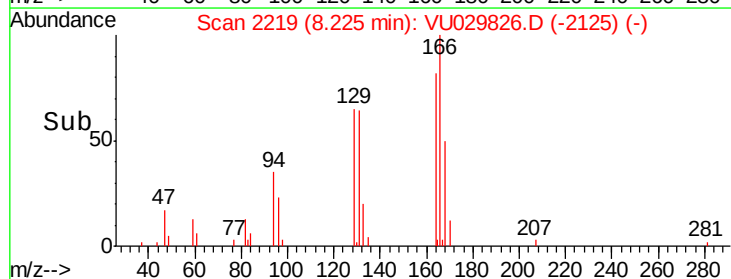
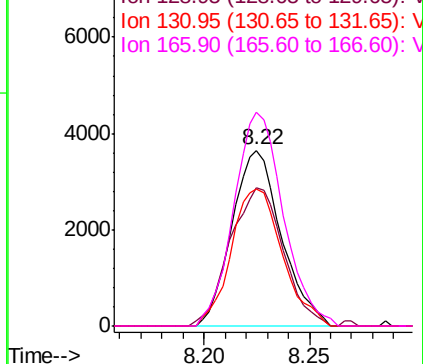
129 78.6 62.9 116.7

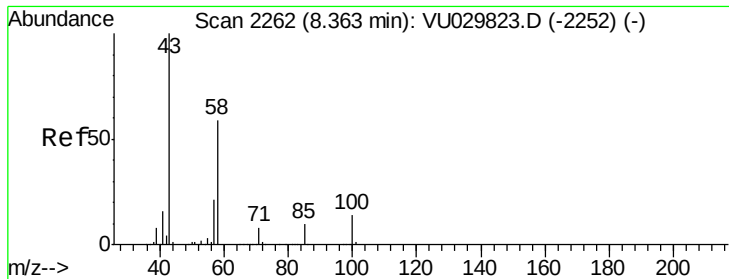
131 77.9 61.8 114.8

166 121.6 88.8 164.8



Abundance Ion 163.90 (163.60 to 164.60): VU029823.D (-2205) (-)

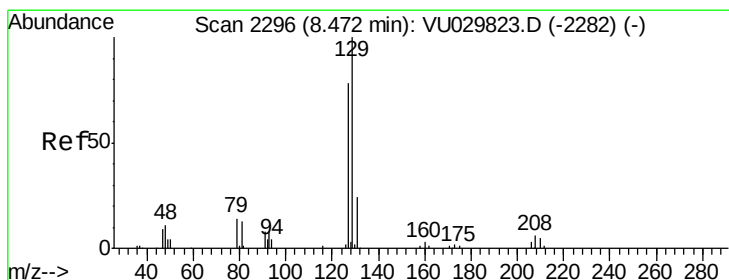
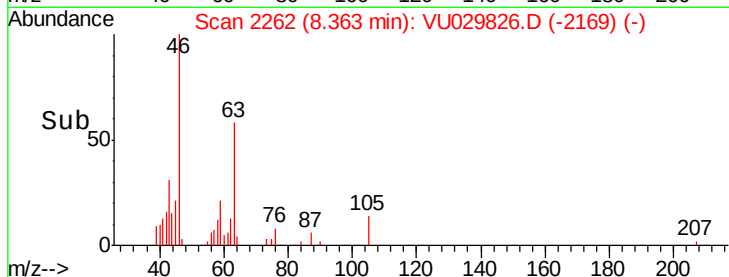
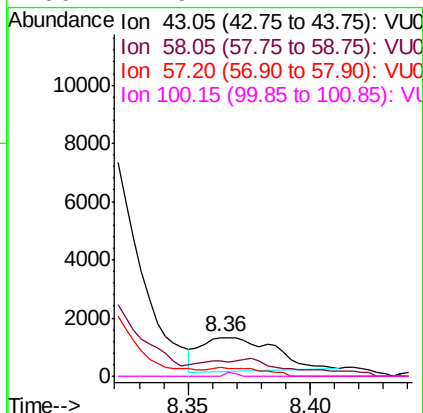
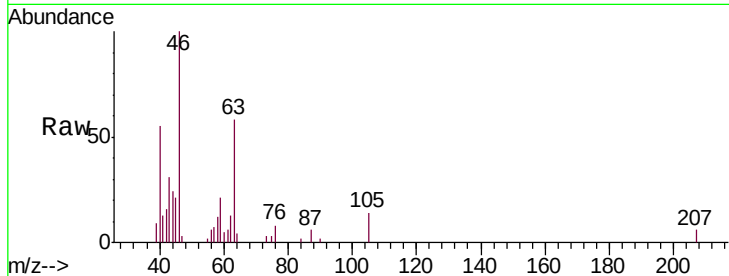




#48
2-Hexanone
Concen: 0.380 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

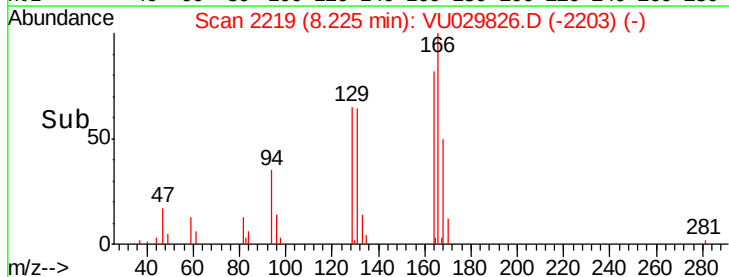
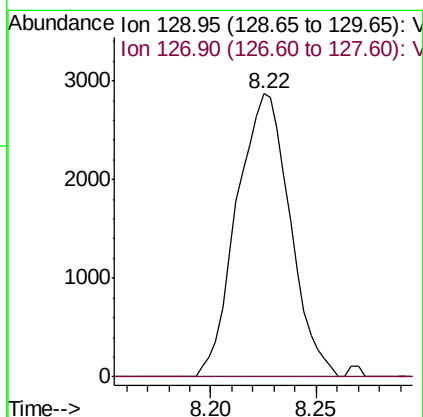
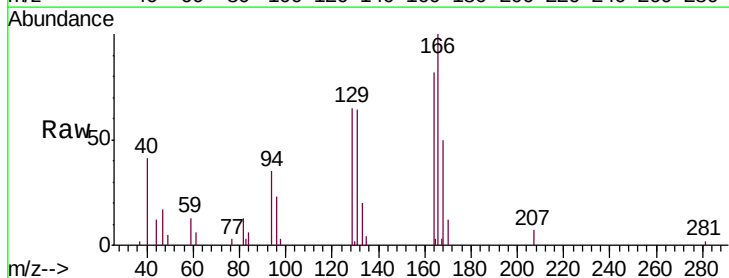
Instrument :
MSVOA_U
ClientSampleId :
CWJY2DL

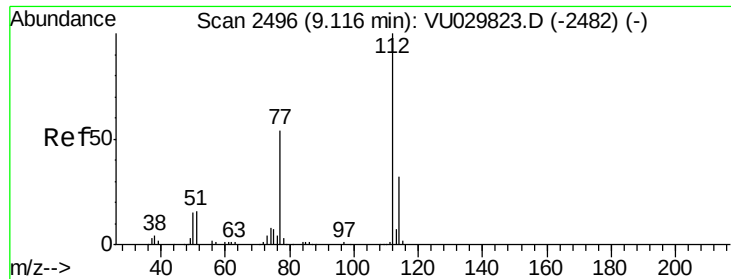
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 63.1 46.6 69.8
57 18.4 15.9 23.9
100 1.9 11.4 17.2#



#49
Dibromochloromethane
Concen: 0.350 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.25 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

Tgt Ion: 129 Resp: 5036
Ion Ratio Lower Upper
129 100
127 0.0 52.5 97.5#

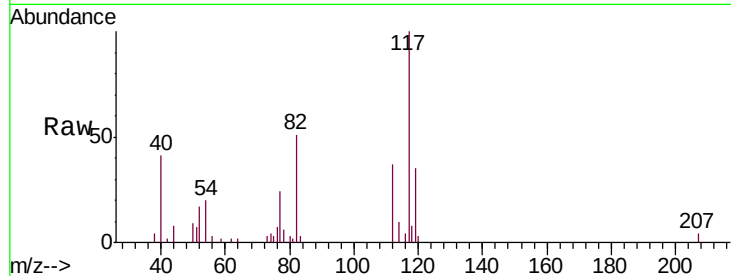




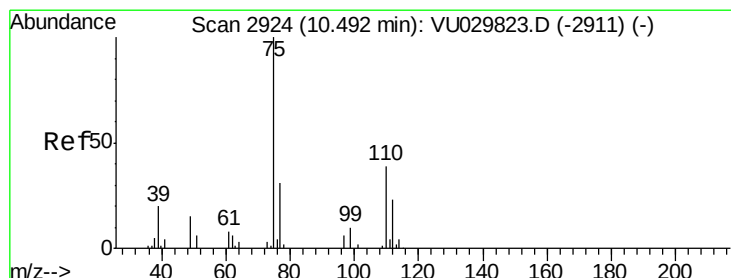
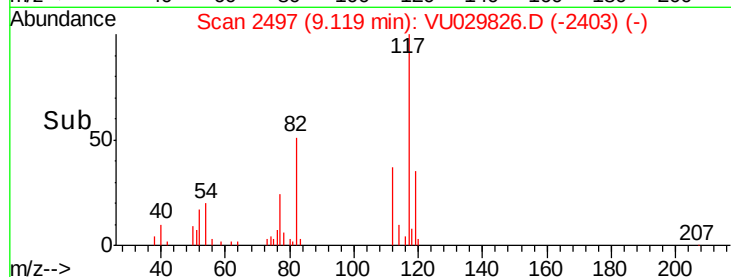
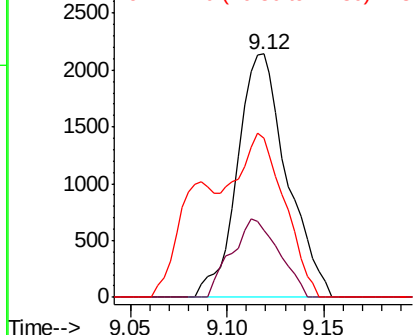
#51
Chlorobenzene
Concen: 0.081 ug/L
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

Instrument :
MSVOA_U
ClientSampleId :
CWJY2DL

Tgt Ion: 112 Resp: 3811
Ion Ratio Lower Upper
112 100
114 27.5 22.3 41.3
77 65.5 42.7 64.1#

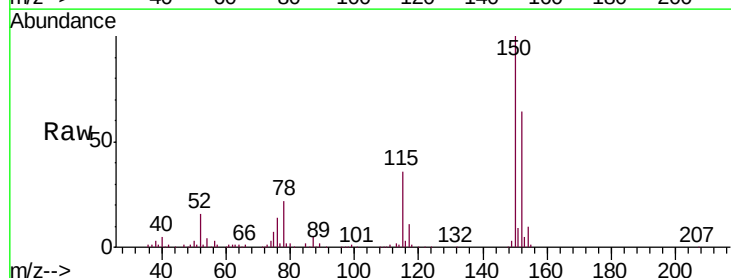


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 1.163 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU029826.D
Acq: 05 Mar 2019 17:02

Tgt Ion: 75 Resp: 11789
Ion Ratio Lower Upper
75 100
77 38.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

