

Data File : VU035879.D
Acq On : 27 Nov 2019 00:11
Operator : JC/SP
Sample : K6057-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AB2

Quant Time: Nov 27 03:22:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 27 03:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	208647	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	241219	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	67065	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	138570	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.93	69	129034	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.40%
11) 1,1-Dichloroethene-d2	2.59	63	169941	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.69	46	263683	41.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.60%
24) Chloroform-d	5.11	84	223803	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.75	65	129235	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.77	84	441788	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.73	67	152293	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.93	98	339943	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
43) trans-1,3-Dichloropropene-	8.22	79	47952	3.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.40%
46) 2-Hexanone-d5	8.69	63	236566	48.78	ug/L	0.01
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.56%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	120171	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	80347	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Qvalue
8) Chloroethane	1.95	64	2116	0.105 ug/L #	57
9) Trichlorofluoromethane	2.16	101	8599	0.213 ug/L	96
12) 1,1-Dichloroethene	2.59	96	1607	0.074 ug/L #	1
13) Acetone	2.67	43	12602	2.275 ug/L	98
15) Methyl Acetate	2.80	43	12436	1.120 ug/L #	53
17) Methyl tert-butyl Ether	3.42	73	6747	0.128 ug/L #	78
22) cis-1,2-Dichloroethene	4.72	96	6287	0.264 ug/L	97
25) Chloroform	5.14	83	15861	0.339 ug/L	96
34) Trichloroethene	6.58	95	6992	0.283 ug/L	96
35) Methylcyclohexane	6.73	83	33147	0.915 ug/L #	13
37) 1,2-Dichloropropane	6.73	63	16241	0.569 ug/L #	90
45) 1,1,2-Trichloroethane	8.58	97	4532	0.244 ug/L #	1
47) Tetrachloroethene	8.58	164	461760	24.580 ug/L	99
48) 2-Hexanone	8.69	43	26732	2.071 ug/L #	71
49) Dibromochloromethane	8.58	129	437060	19.909 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	8963	0.483 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112619\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

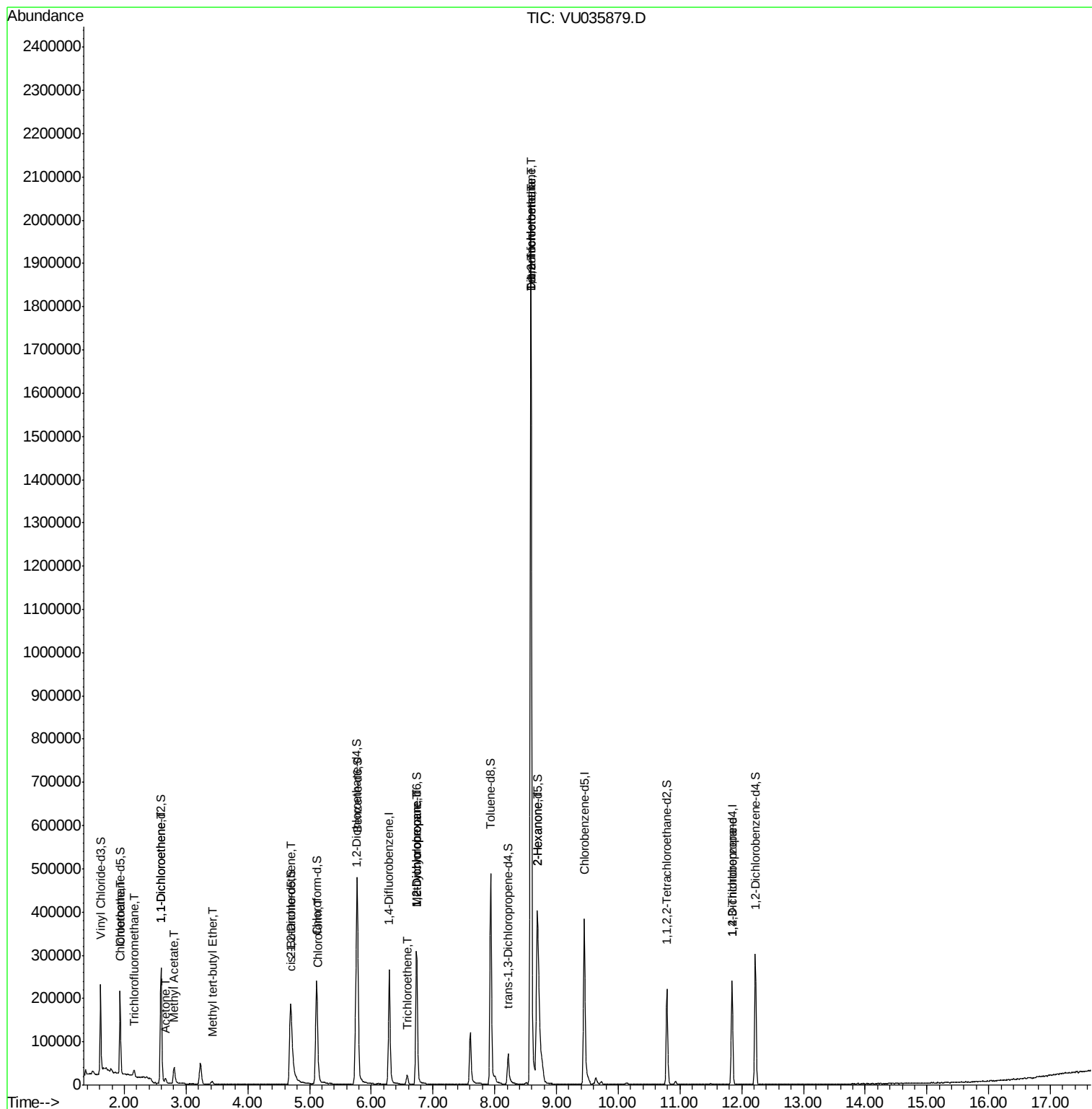
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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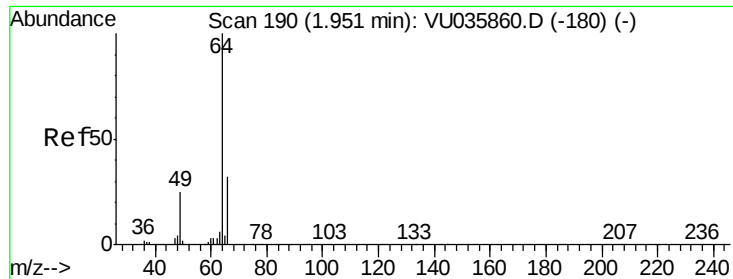
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.105 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

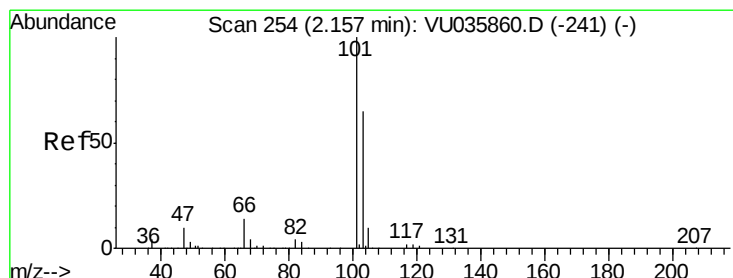
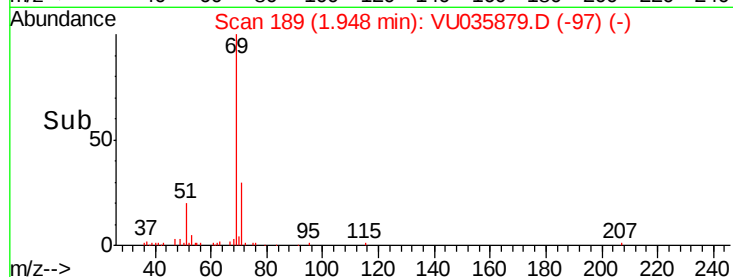
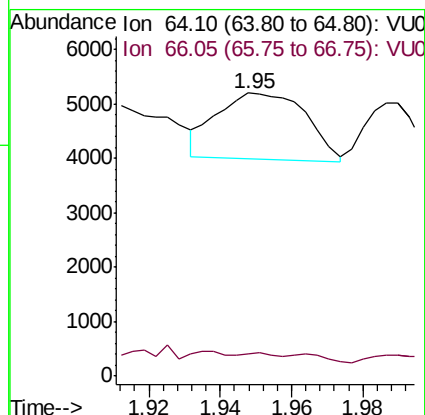
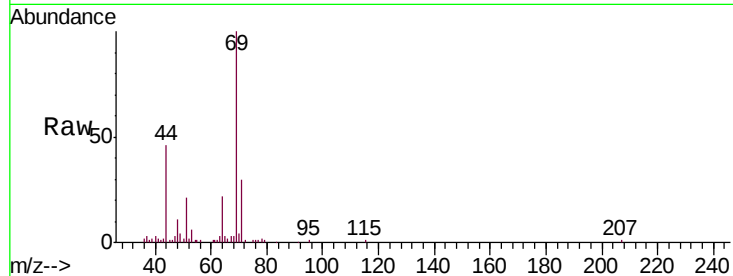
C0AB2

Tgt Ion: 64 Resp: 2116

Ion Ratio Lower Upper

64 100

66 8.1 22.3 41.5#



#9

Trichlorofluoromethane

Concen: 0.213 ug/L

RT: 2.16 min Scan# 256

Delta R.T. 0.01 min

Lab File: VU035879.D

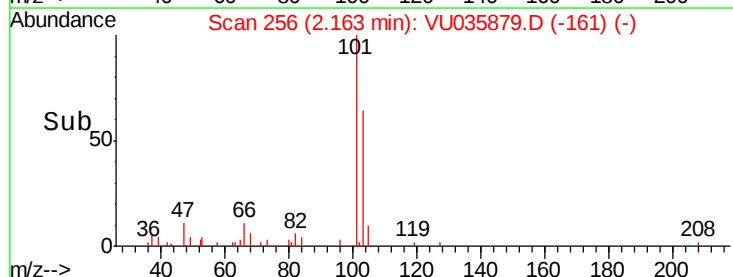
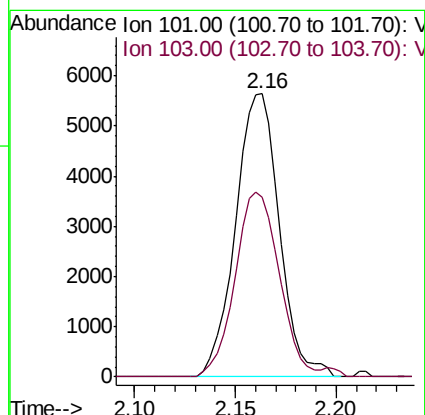
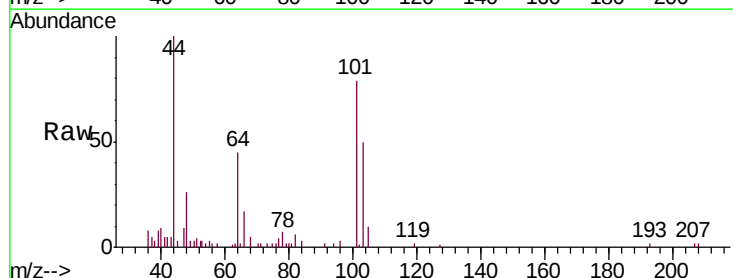
Acq: 27 Nov 2019 00:11

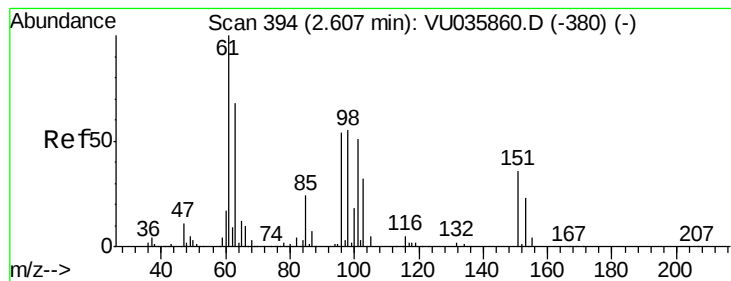
Tgt Ion: 101 Resp: 8599

Ion Ratio Lower Upper

101 100

103 65.5 49.8 74.6





#12

1,1-Dichloroethene

Concen: 0.074 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

C0AB2

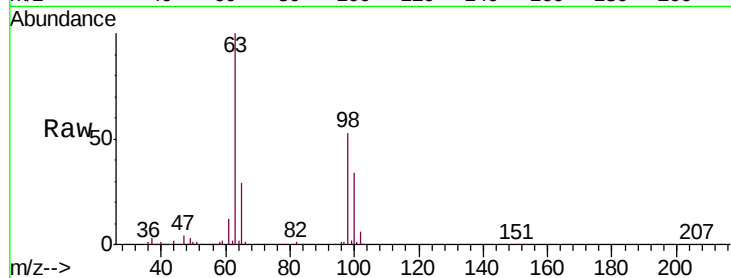
Tgt Ion: 96 Resp: 1607

Ion Ratio Lower Upper

96 100

61 1404.9 139.3 258.7#

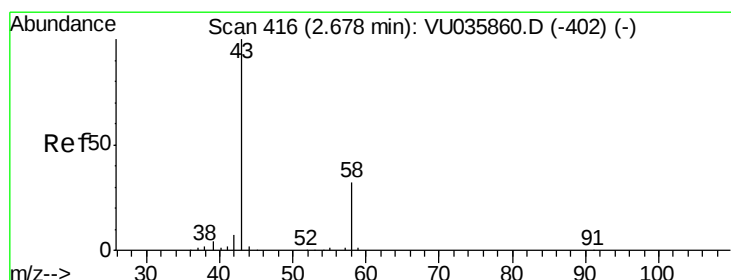
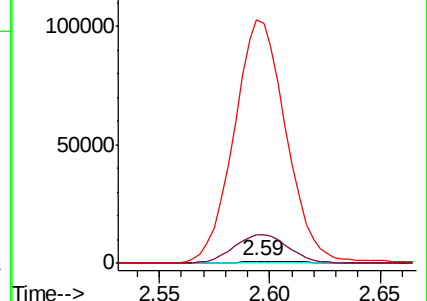
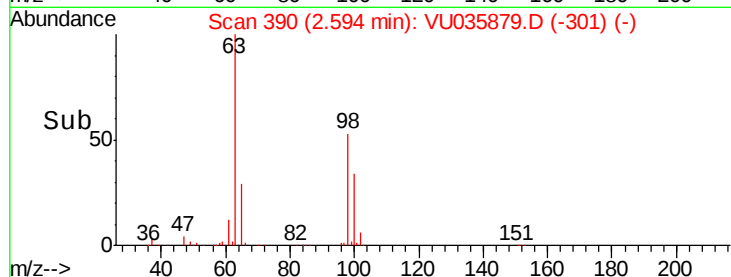
63 12201.4 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU035879.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035879.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035879.D (-301) (-)



#13

Acetone

Concen: 2.275 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU035879.D

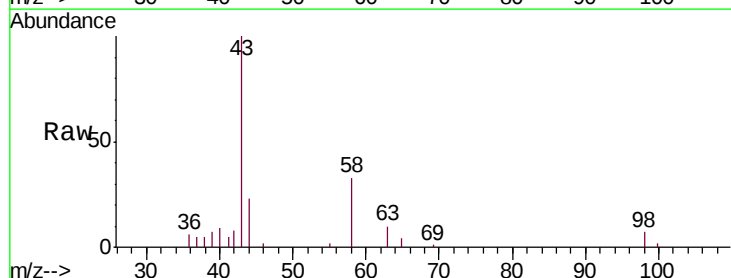
Acq: 27 Nov 2019 00:11

Tgt Ion: 43 Resp: 12602

Ion Ratio Lower Upper

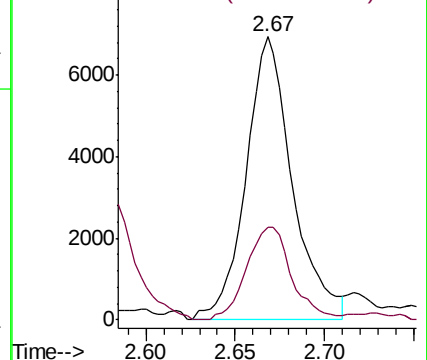
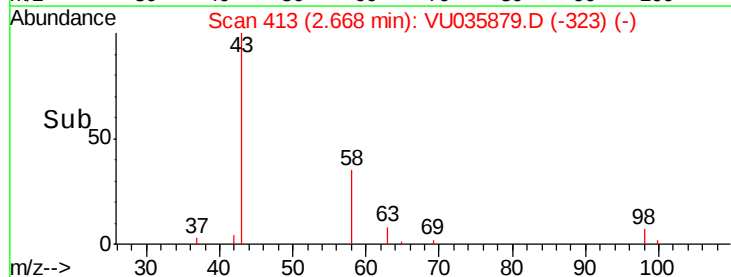
43 100

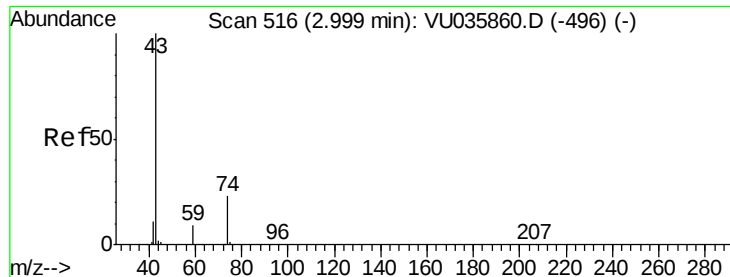
58 31.6 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035879.D (-323) (-)

Ion 58.05 (57.75 to 58.75): VU035879.D (-323) (-)

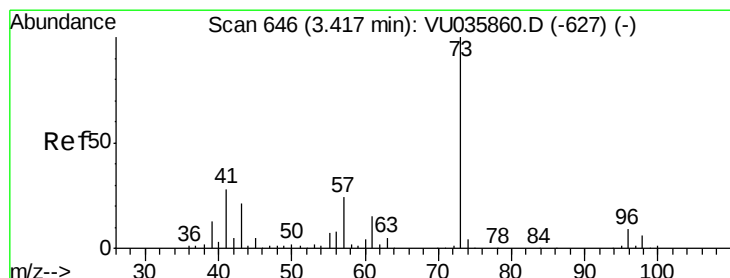
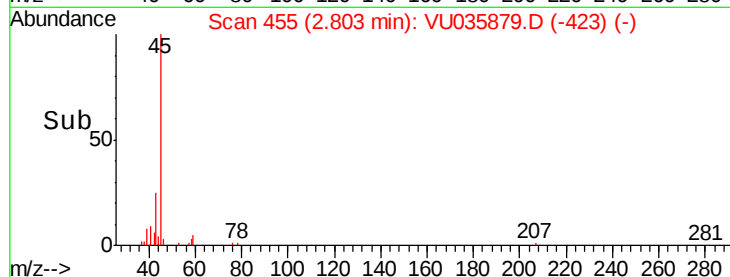
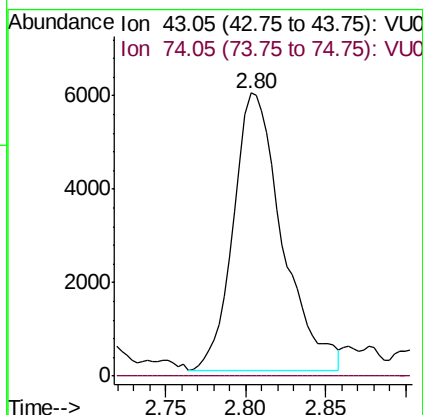
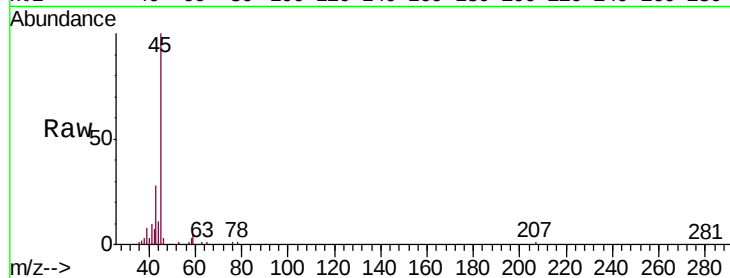




#15
Methyl Acetate
Concen: 1.120 ug/L
RT: 2.80 min Scan# 455
Delta R.T. -0.20 min
Lab File: VU035879.D
Acq: 27 Nov 2019 00:11

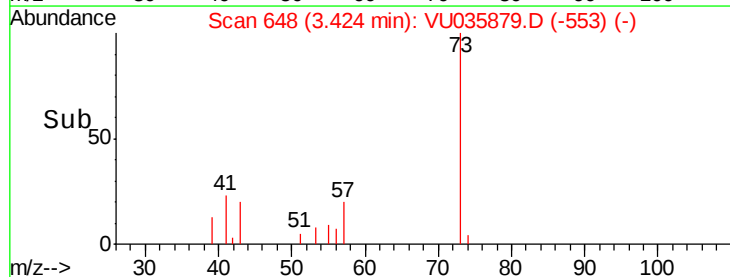
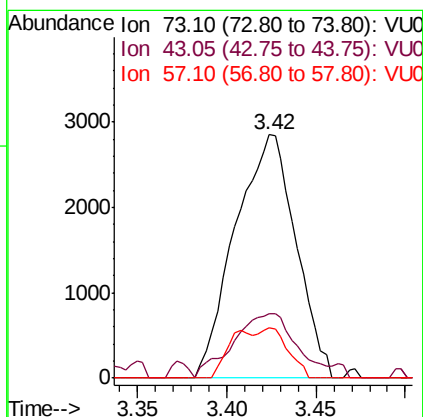
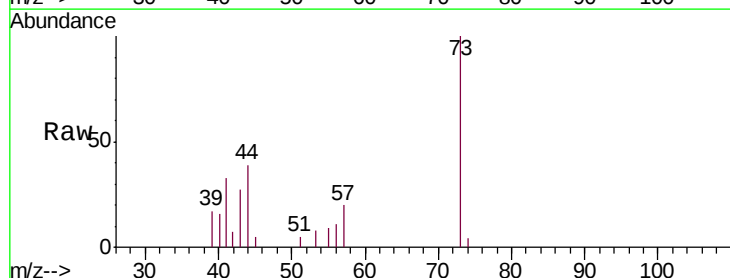
Instrument :
MSVOA_U
ClientSampleId :
C0AB2

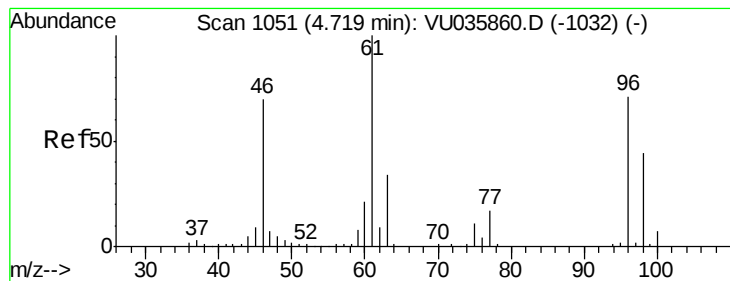
Tgt Ion: 43 Resp: 12436
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#



#17
Methyl tert-butyl Ether
Concen: 0.128 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.01 min
Lab File: VU035879.D
Acq: 27 Nov 2019 00:11

Tgt Ion: 73 Resp: 6747
Ion Ratio Lower Upper
73 100
43 27.9 17.4 26.2#
57 9.0 19.4 29.0#





#22

cis-1,2-Dichloroethene

Concen: 0.264 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

C0AB2

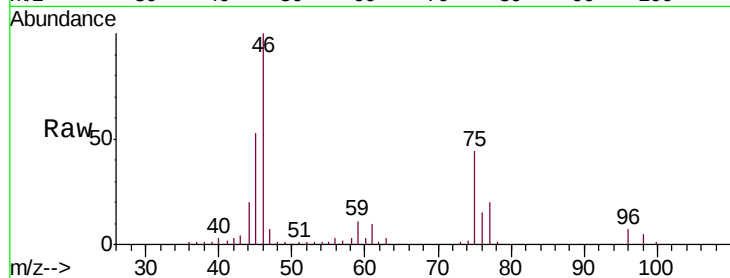
Tgt Ion: 96 Resp: 6287

Ion Ratio Lower Upper

96 100

61 144.1 98.1 182.1

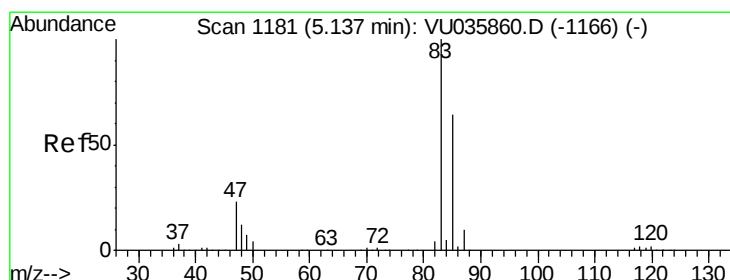
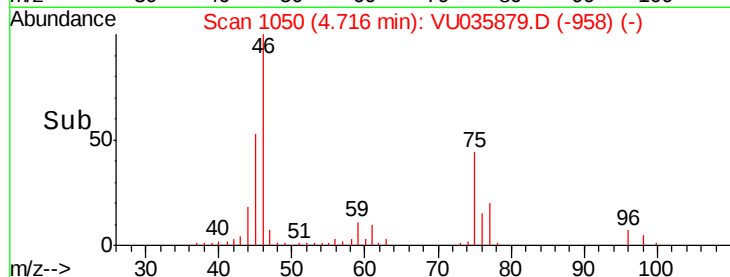
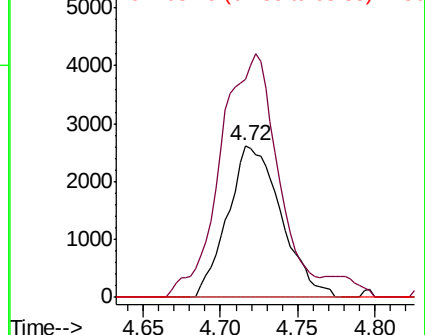
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035879.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035879.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035879.D (-958) (-)



#25

Chloroform

Concen: 0.339 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU035879.D

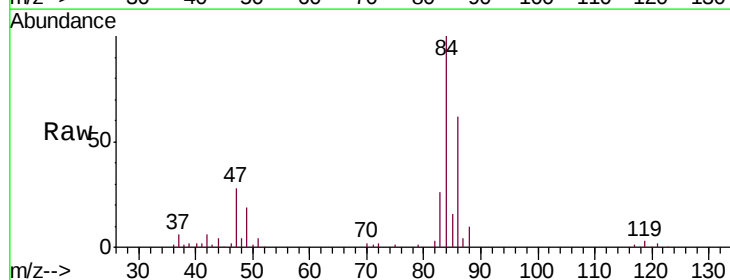
Acq: 27 Nov 2019 00:11

Tgt Ion: 83 Resp: 15861

Ion Ratio Lower Upper

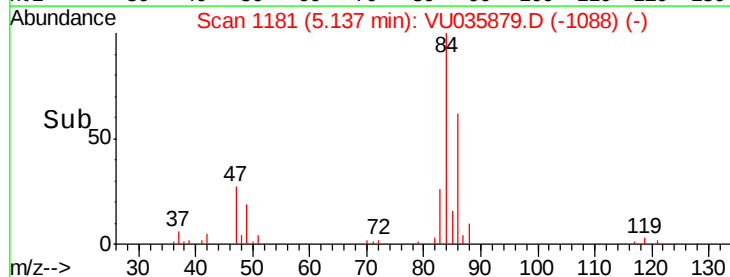
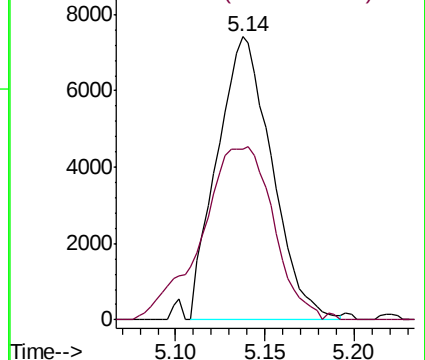
83 100

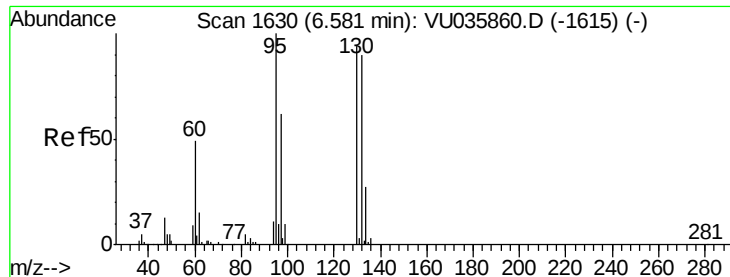
85 60.4 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035879.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035879.D (-1088) (-)





#34

Trichloroethene

Concen: 0.283 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

C0AB2

Tgt Ion: 95 Resp: 6992

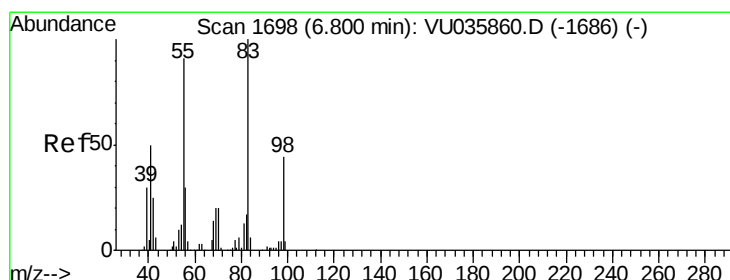
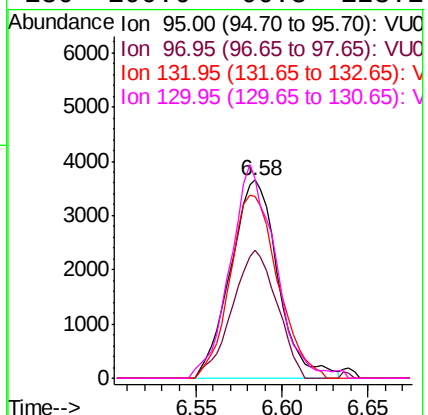
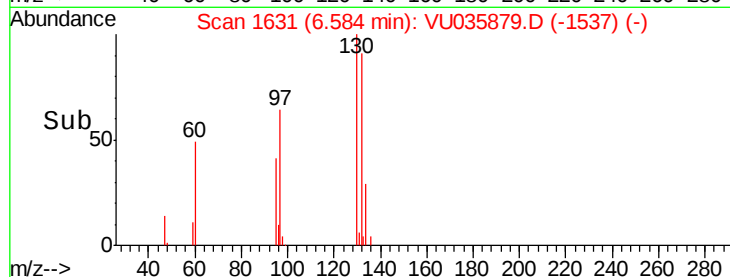
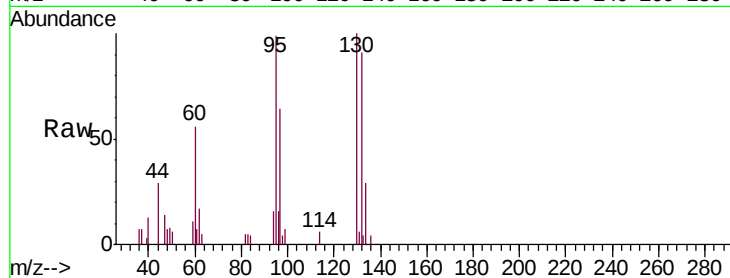
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 91.5 61.9 114.9

130 100.6 66.3 123.1



#35

Methylcyclohexane

Concen: 0.915 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

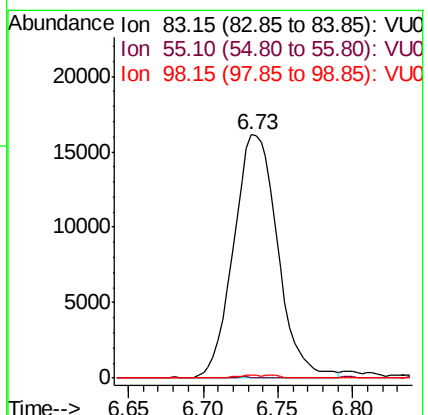
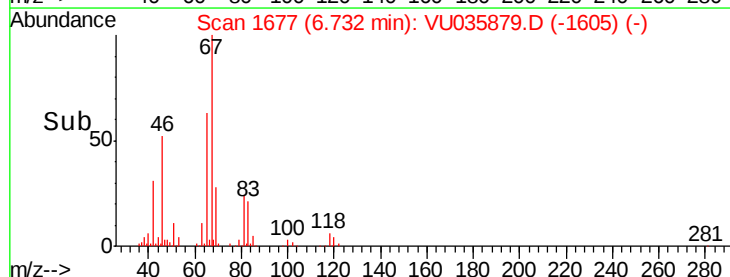
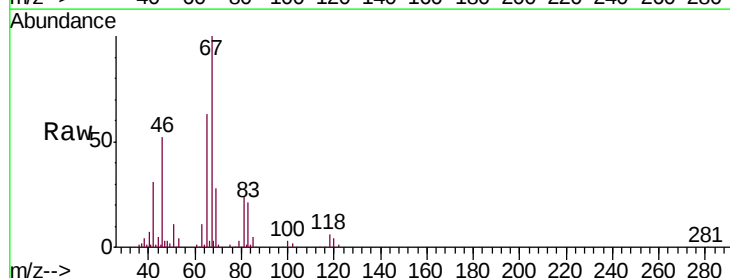
Tgt Ion: 83 Resp: 33147

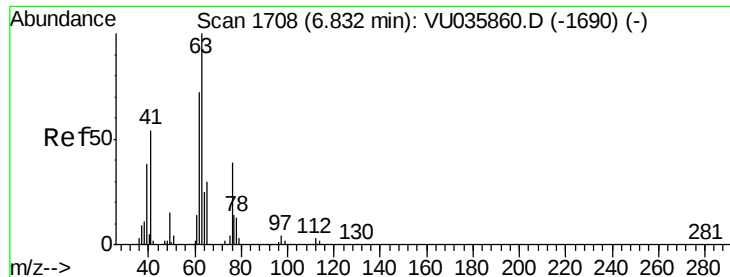
Ion Ratio Lower Upper

83 100

55 0.2 72.7 109.1#

98 0.7 36.2 54.4#

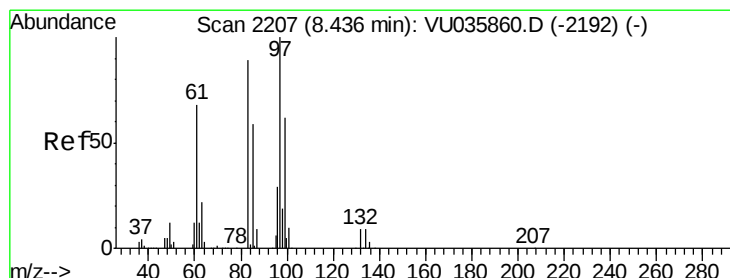
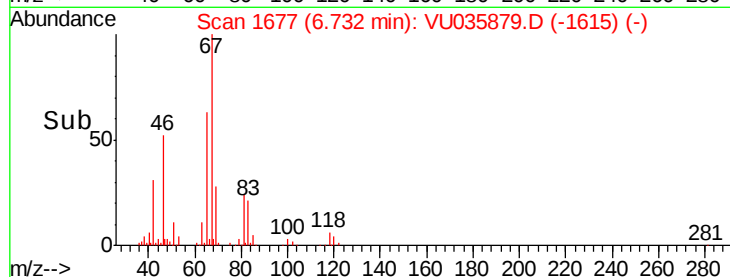
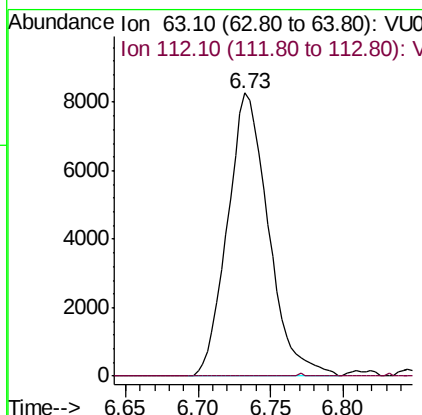
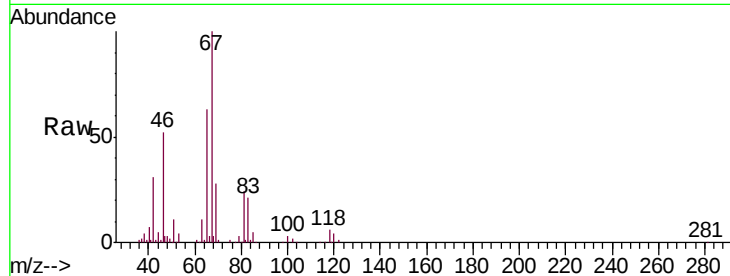




#37
 1,2-Dichloropropane
 Concen: 0.569 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.10 min
 Lab File: VU035879.D
 Acq: 27 Nov 2019 00:11

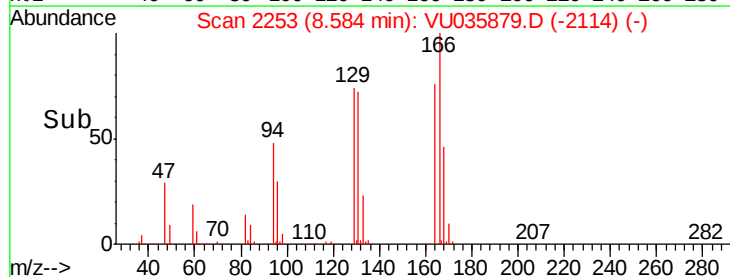
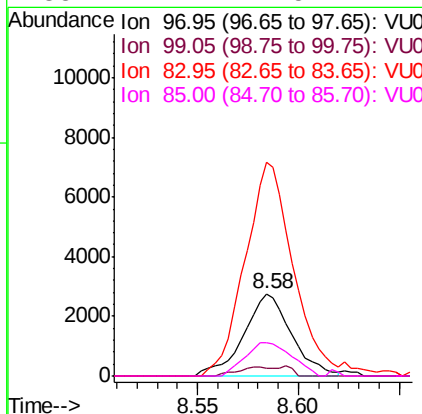
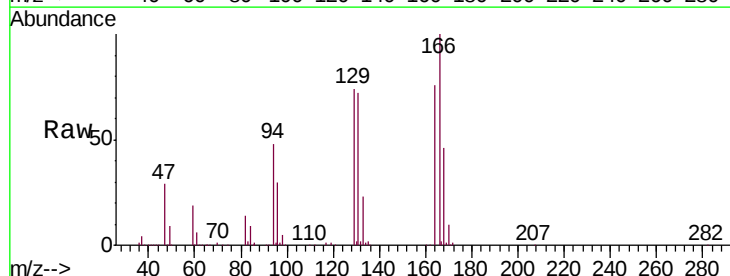
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 MSVOA_U
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 C0AB2

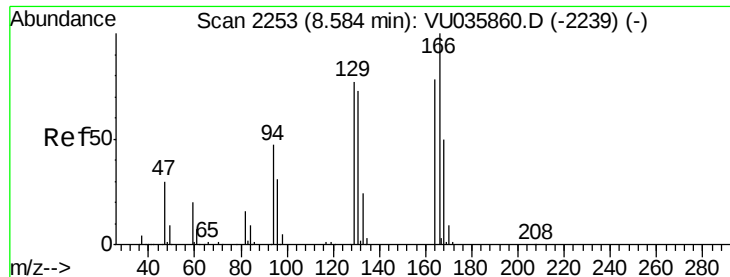
Tgt Ion: 63 Resp: 16241
 Ion Ratio Lower Upper
 63 100
 112 0.1 2.7 4.1#



#45
 1,1,2-Trichloroethane
 Concen: 0.244 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.15 min
 Lab File: VU035879.D
 Acq: 27 Nov 2019 00:11

Tgt Ion: 97 Resp: 4532
 Ion Ratio Lower Upper
 97 100
 99 10.0 44.2 82.0#
 83 259.6 62.2 115.6#
 85 41.1 41.5 77.1#





#47

Tetrachloroethene

Concen: 24.580 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

C0AB2

Tgt Ion:164 Resp: 461760

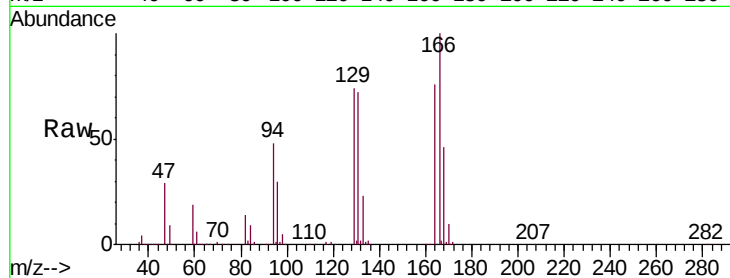
Ion Ratio Lower Upper

164 100

129 97.3 68.8 127.8

131 93.7 67.3 124.9

166 130.8 91.6 170.2

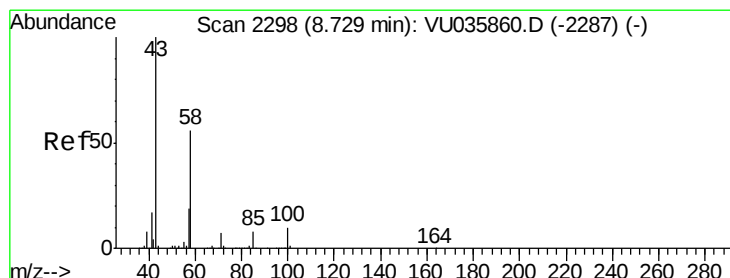
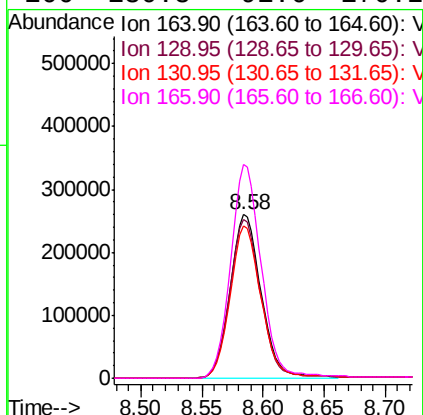
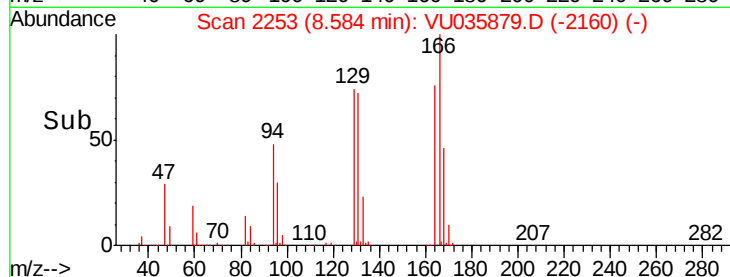


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 2.071 ug/L

RT: 8.69 min Scan# 2285

Delta R.T. -0.04 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Tgt Ion: 43 Resp: 26732

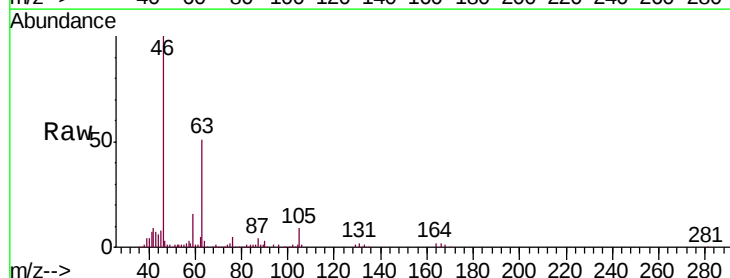
Ion Ratio Lower Upper

43 100

58 33.5 39.8 59.8#

57 38.2 14.0 21.0#

100 0.6 7.2 10.8#

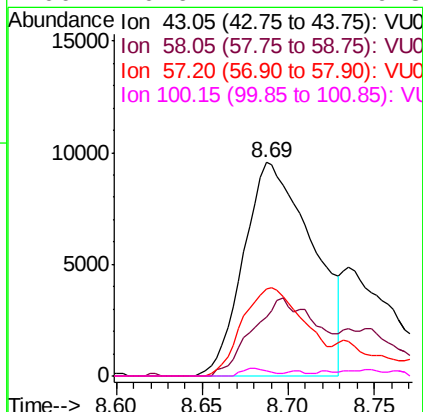
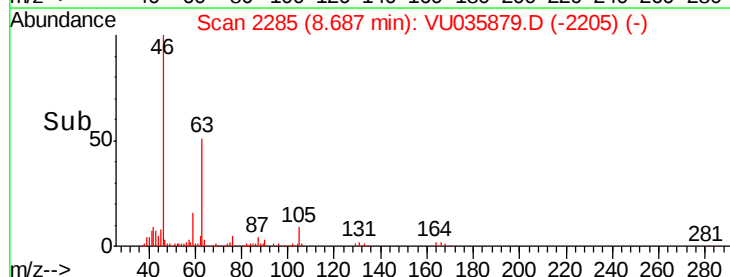


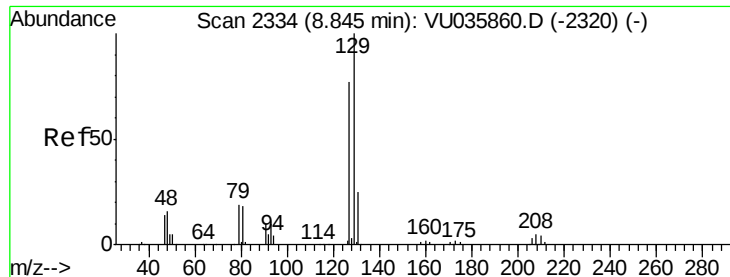
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 19.909 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035879.D

Acq: 27 Nov 2019 00:11

Instrument :

MSVOA_U

ClientSampleId :

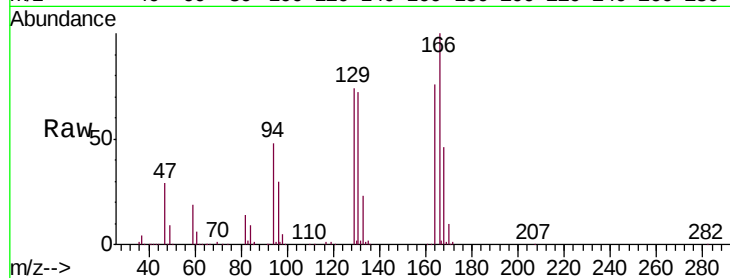
C0AB2

Tgt Ion:129 Resp: 437060

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

250000

200000

150000

100000

50000

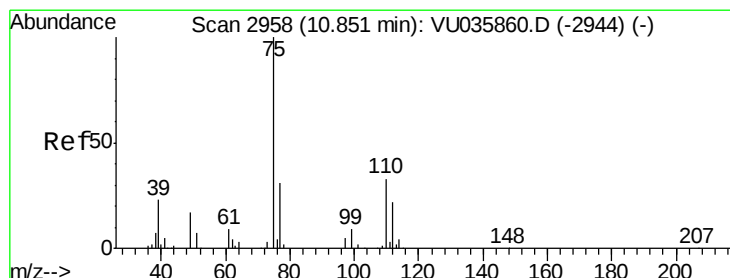
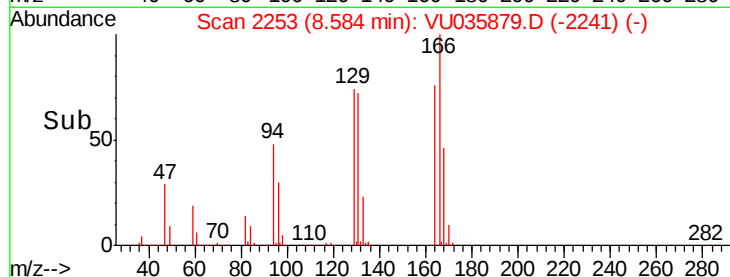
0

Time-->

8.50

8.60

8.70



#59

1,2,3-Trichloropropane

Concen: 0.483 ug/L

RT: 11.84 min Scan# 3267

Delta R.T. 0.99 min

Lab File: VU035879.D

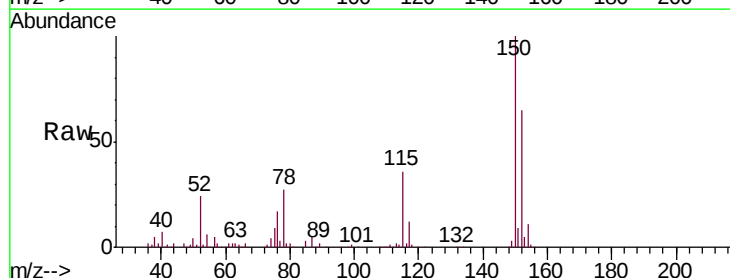
Acq: 27 Nov 2019 00:11

Tgt Ion: 75 Resp: 8963

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

6000

5000

4000

3000

2000

1000

0

Time-->

11.80

11.85

11.90

