

Data File : VU036067.D
Acq On : 09 Dec 2019 23:24
Operator : JC/MD
Sample : K6168-13 500X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFE46

Quant Time: Dec 10 01:55:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 10 01:47:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	255139	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	280517	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	79077	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	96503	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.93	69	128411	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.60%
11) 1,1-Dichloroethene-d2	2.59	63	159650	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	4.69	46	176248	45.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.96%
24) Chloroform-d	5.11	84	160548	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.75	65	92459	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.77	84	345700	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.73	67	104580	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.93	98	292763	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.21	79	41416	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.69	63	165036	51.11	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.22%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91702	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	80672	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

Target Compounds

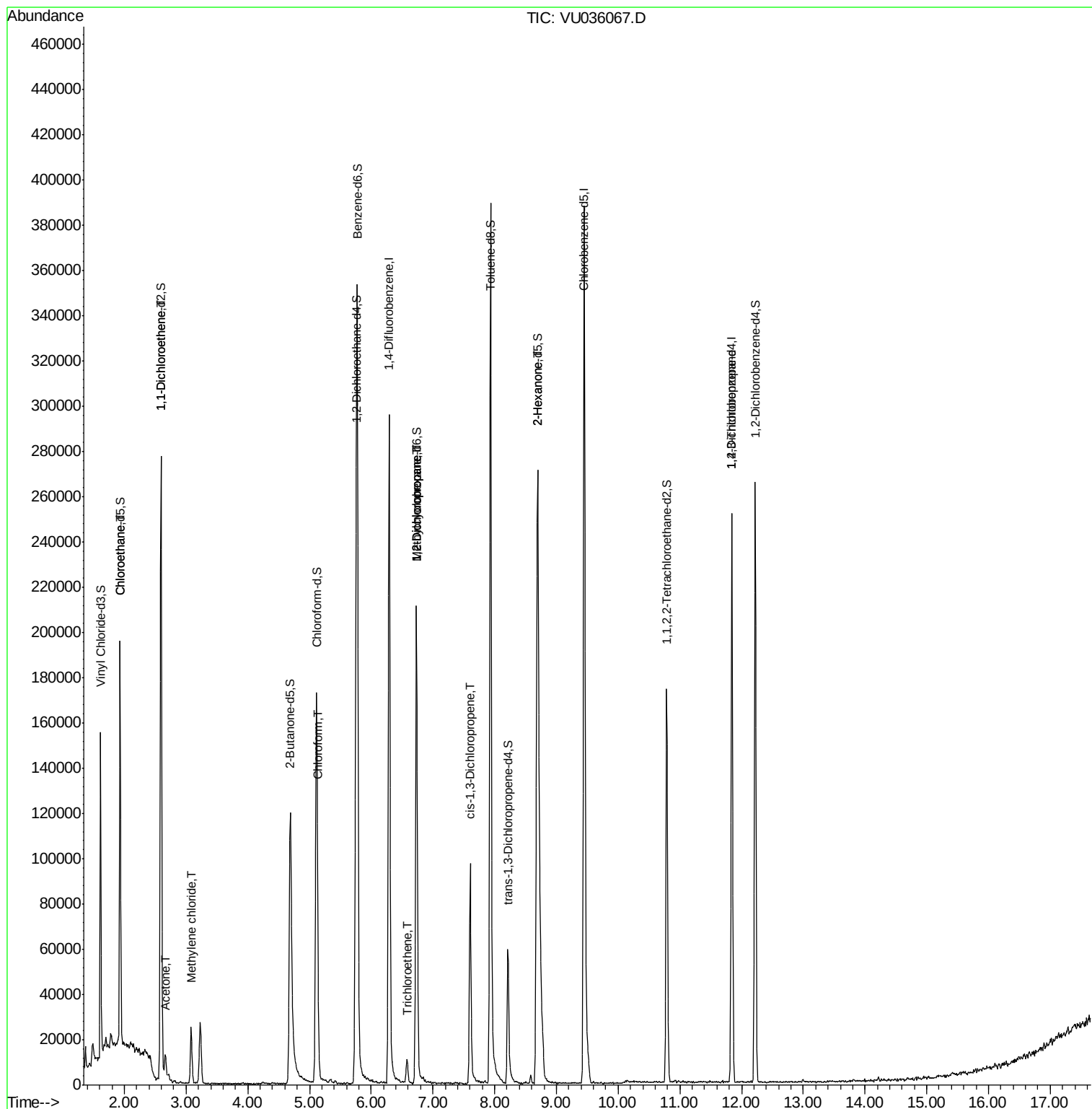
					Qvalue
8) Chloroethane	1.94	64	2799	0.144 ug/L #	57
12) 1,1-Dichloroethene	2.60	96	2755	0.124 ug/L #	1
13) Acetone	2.66	43	11361	2.310 ug/L	99
16) Methylene chloride	3.09	84	12703	0.493 ug/L	89
25) Chloroform	5.14	83	14835	0.391 ug/L	96
34) Trichloroethene	6.58	95	3152	0.155 ug/L	94
35) Methylcyclohexane	6.73	83	23715	0.868 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	11156	0.580 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2801	0.107 ug/L #	58
48) 2-Hexanone	8.69	43	26507	3.678 ug/L #	55
59) 1,2,3-Trichloropropane	11.84	75	7988	0.581 ug/L #	83

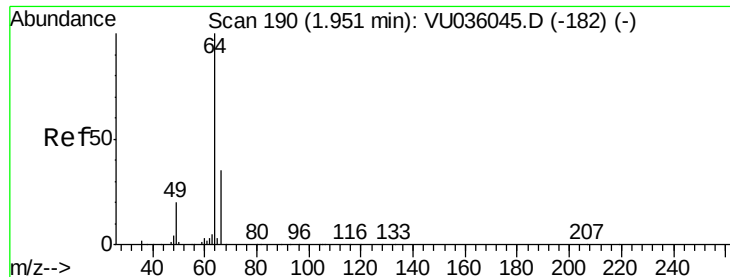
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.144 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.01 min

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Acq: 09 Dec 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

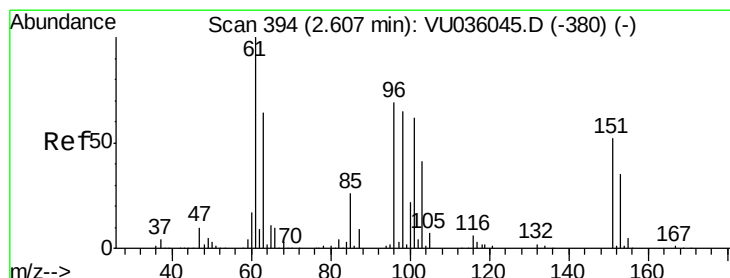
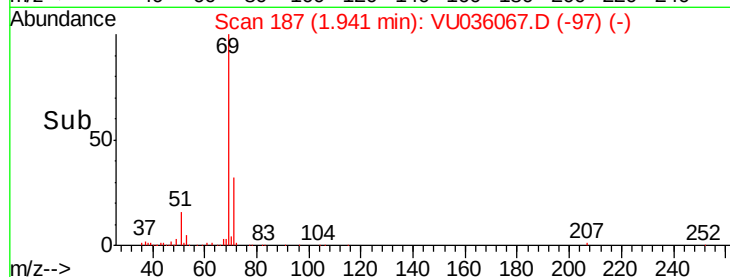
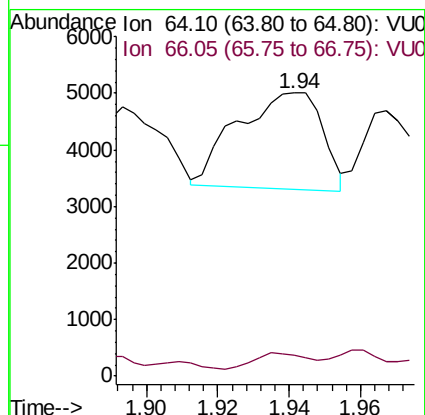
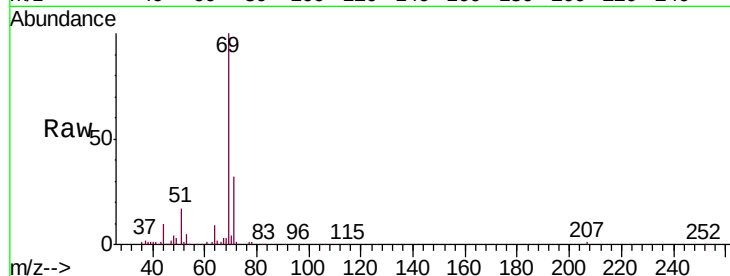
BFE46

Tgt Ion: 64 Resp: 2799

Ion Ratio Lower Upper

64 100

66 7.2 21.5 39.9#



#12

1,1-Dichloroethene

Concen: 0.124 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036067.D

Acq: 09 Dec 2019 23:24

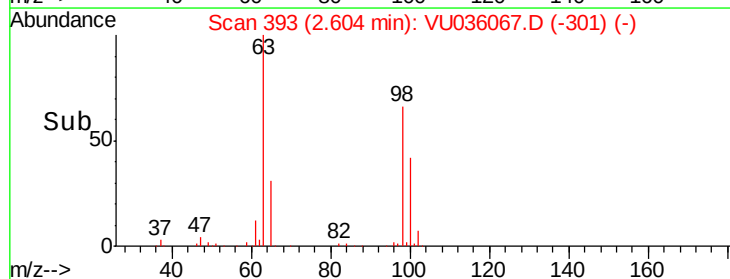
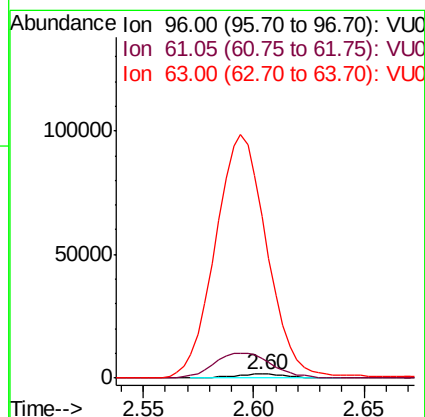
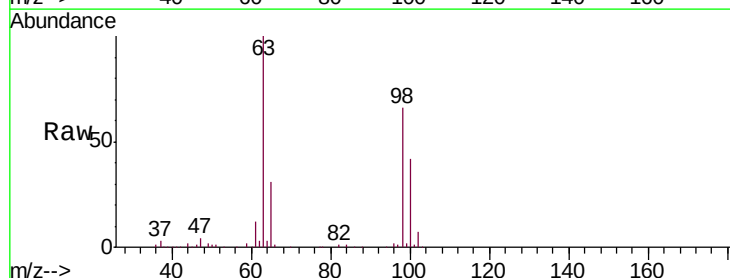
Tgt Ion: 96 Resp: 2755

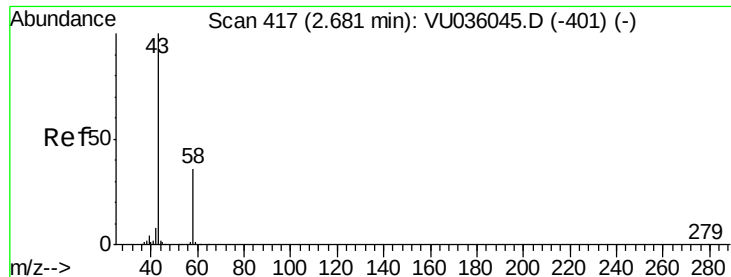
Ion Ratio Lower Upper

96 100

61 500.6 104.3 193.7#

63 4055.2 65.6 121.8#





#13

Acetone

Concen: 2.310 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.02 min

Lab File: VU036067.D

Acq: 09 Dec 2019 23:24

Instrument :

MSVOA_U

ClientSampleId :

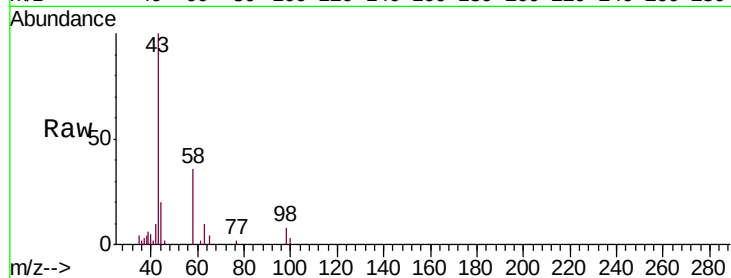
BFE46

Tgt Ion: 43 Resp: 11361

Ion Ratio Lower Upper

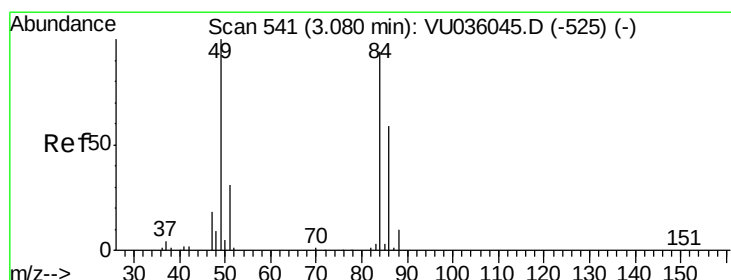
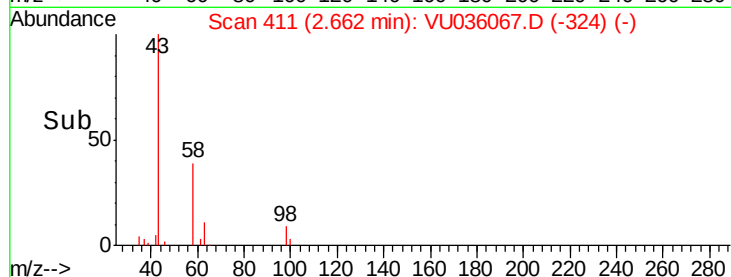
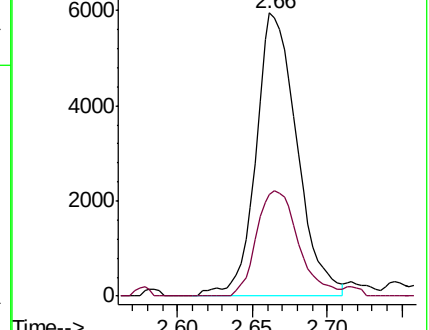
43 100

58 37.8 0.0 74.2



Abundance Ion 43.05 (42.75 to 43.75): VU036045.D (-401) (-)

Ion 58.05 (57.75 to 58.75): VU036045.D (-401) (-)



#16

Methylene chloride

Concen: 0.493 ug/L

RT: 3.09 min Scan# 543

Delta R.T. 0.01 min

Lab File: VU036067.D

Acq: 09 Dec 2019 23:24

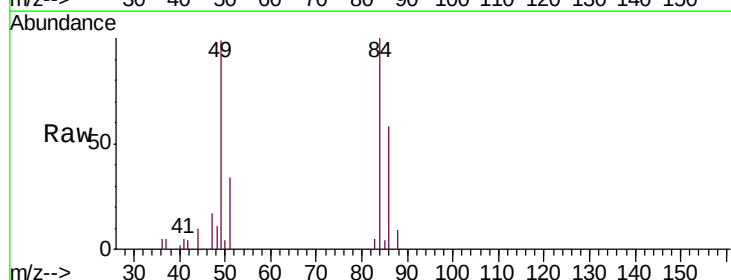
Tgt Ion: 84 Resp: 12703

Ion Ratio Lower Upper

84 100

86 58.1 47.5 88.3

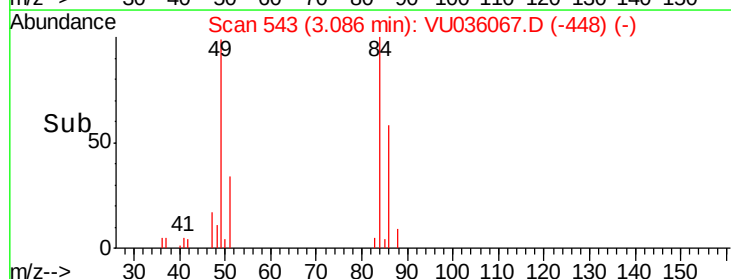
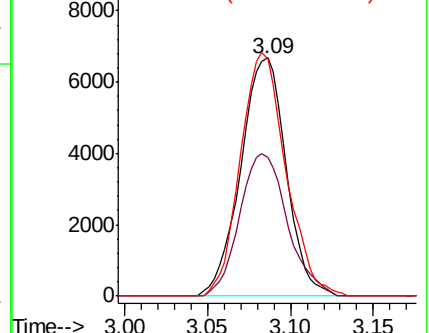
49 99.5 76.9 142.9

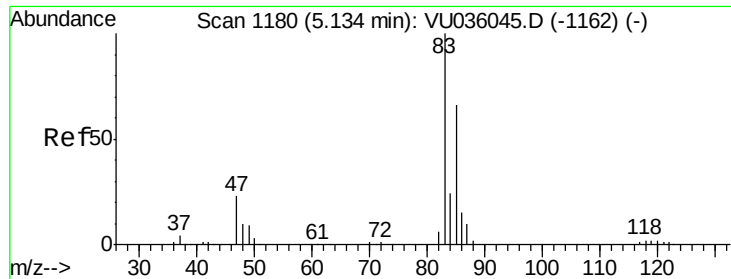


Abundance Ion 84.05 (83.75 to 84.75): VU036045.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU036045.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU036045.D (-525) (-)

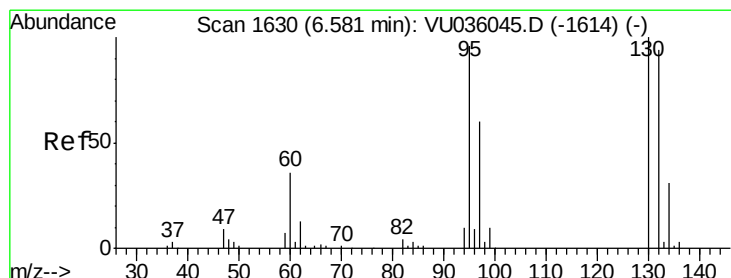
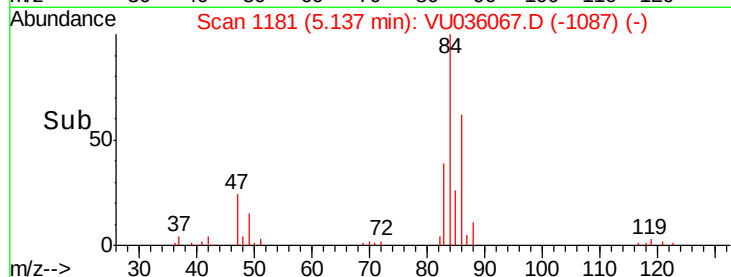
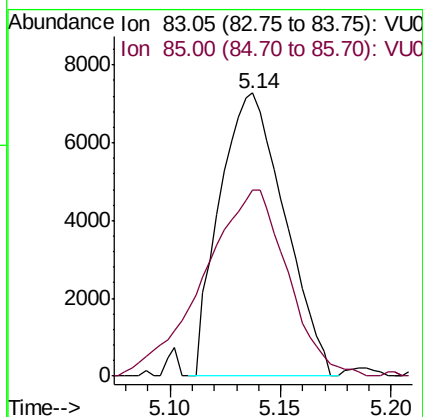
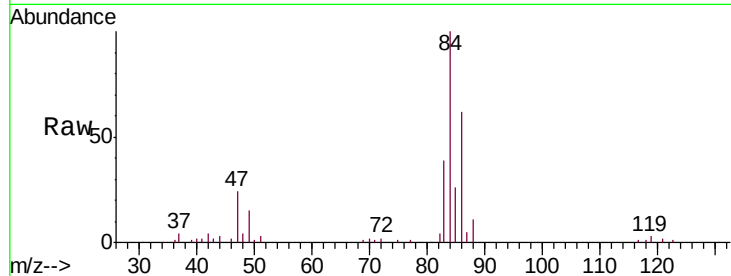




#25
Chloroform
Concen: 0.391 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU036067.D
Acq: 09 Dec 2019 23:24

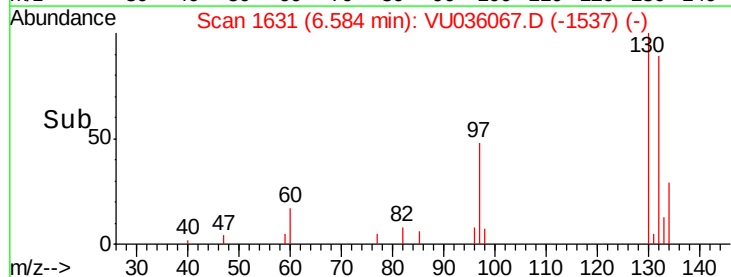
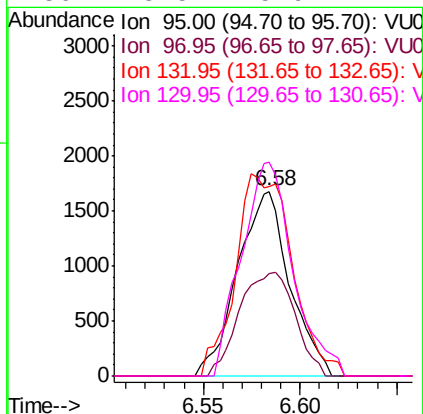
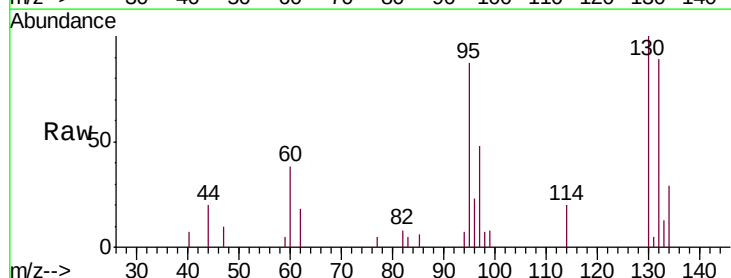
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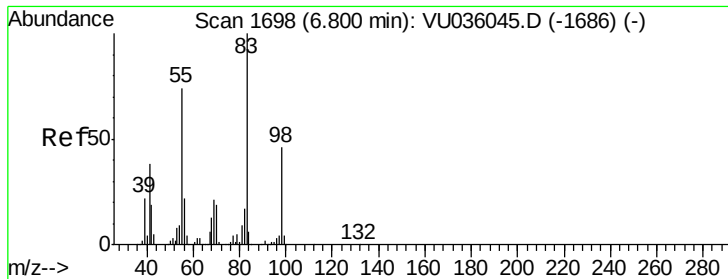
Tgt Ion: 83 Resp: 14835
Ion Ratio Lower Upper
83 100
85 65.9 43.9 81.5



#34
Trichloroethene
Concen: 0.155 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU036067.D
Acq: 09 Dec 2019 23:24

Tgt Ion: 95 Resp: 3152
Ion Ratio Lower Upper
95 100
97 55.1 44.4 82.4
132 102.4 73.4 136.4
130 115.5 75.9 141.1

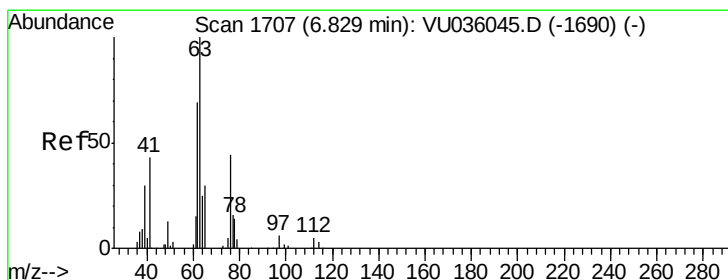
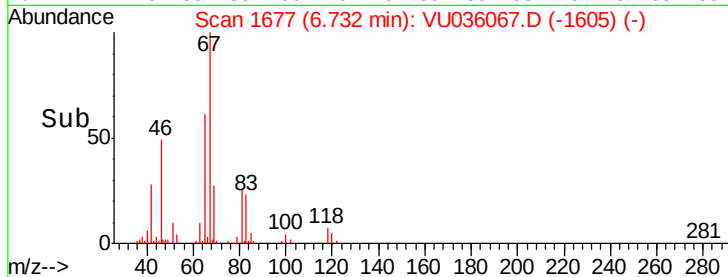
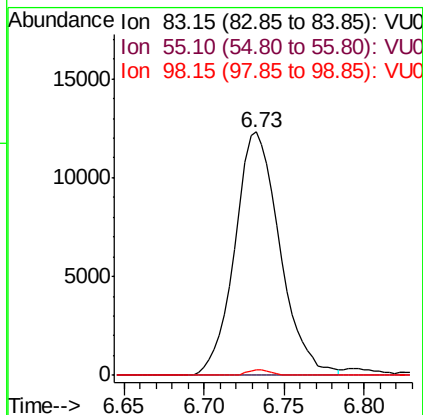
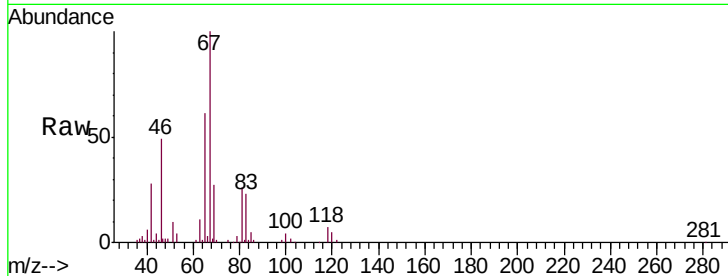




#35
Methylcyclohexane
Concen: 0.868 ug/L
RT: 6.73 min Scan# 1677
Delta R.T. -0.07 min
Lab File: VU036067.D
Acq: 09 Dec 2019 23:24

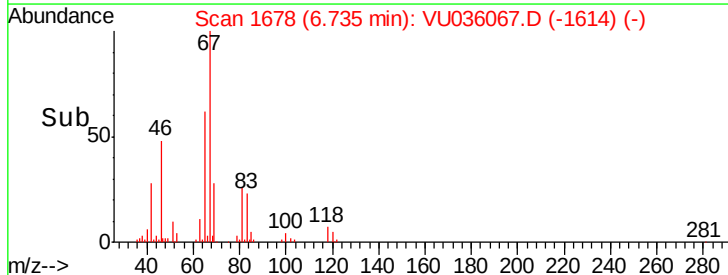
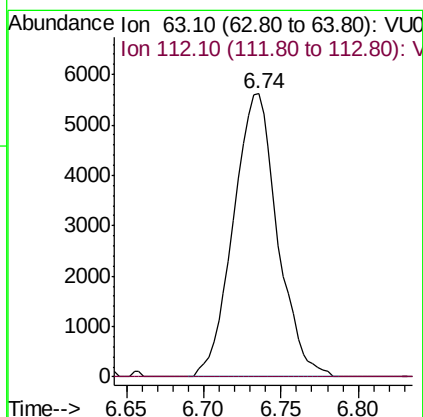
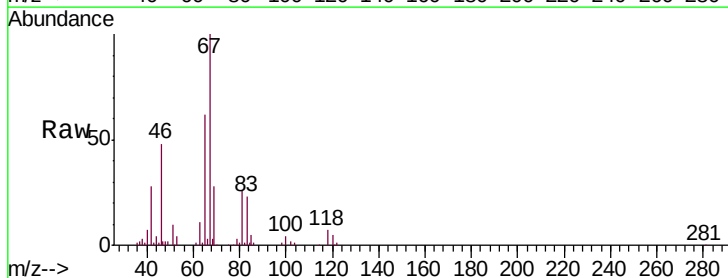
Instrument :
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ClientSampleId :
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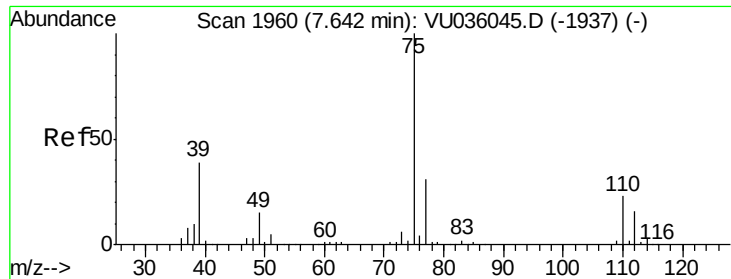
Tgt Ion: 83 Resp: 23715
Ion Ratio Lower Upper
83 100
55 0.0 62.1 93.1#
98 1.2 37.0 55.4#



#37
1,2-Dichloropropane
Concen: 0.580 ug/L
RT: 6.74 min Scan# 1678
Delta R.T. -0.09 min
Lab File: VU036067.D
Acq: 09 Dec 2019 23:24

Tgt Ion: 63 Resp: 11156
Ion Ratio Lower Upper
63 100
112 0.2 3.8 5.8#

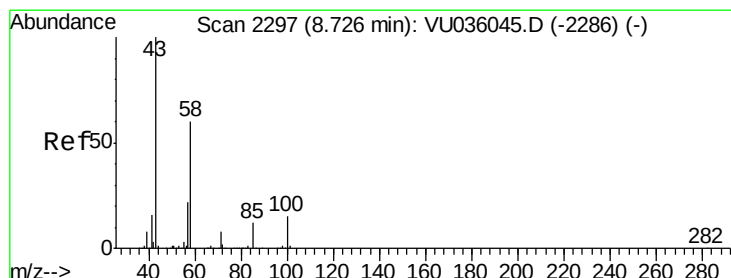
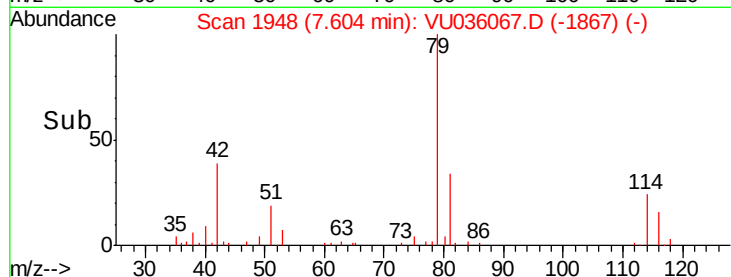
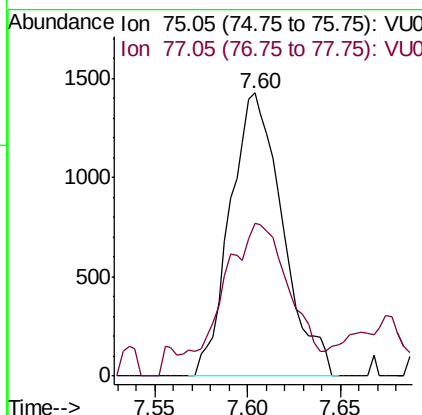
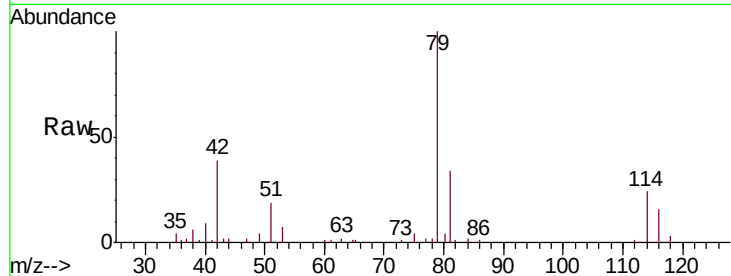




#39
 cis-1,3-Dichloropropene
 Concen: 0.107 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU036067.D
 Acq: 09 Dec 2019 23:24

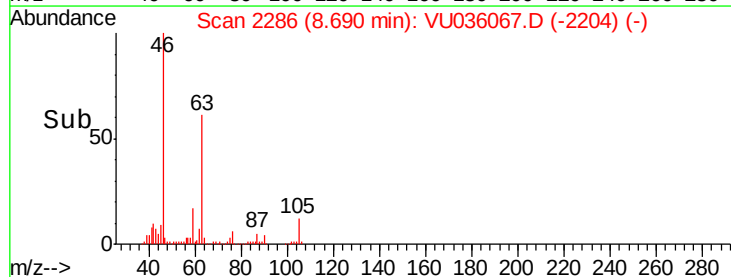
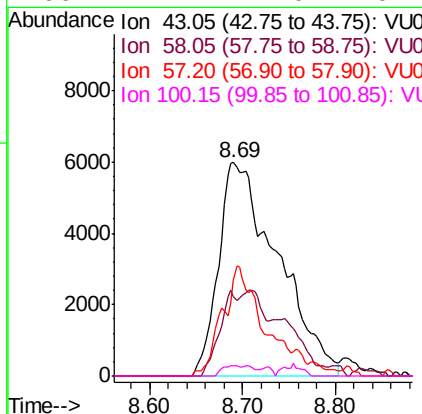
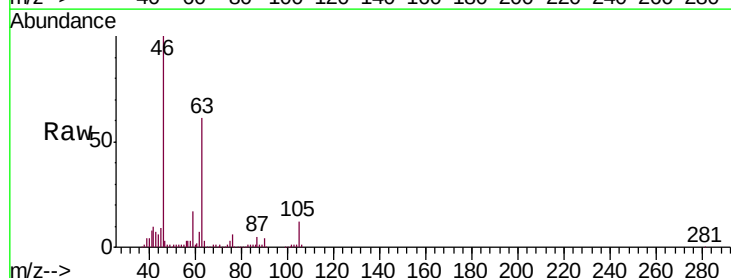
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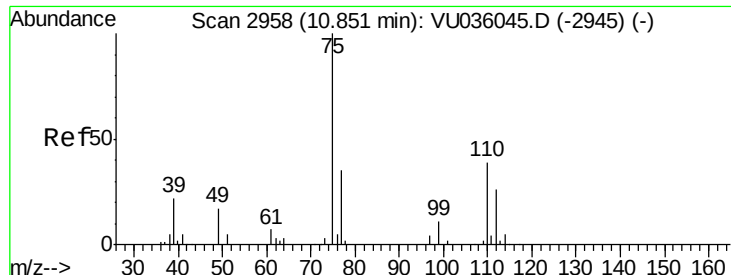
Tgt Ion: 75 Resp: 2801
 Ion Ratio Lower Upper
 75 100
 77 53.8 21.7 40.3#



#48
 2-Hexanone
 Concen: 3.678 ug/L
 RT: 8.69 min Scan# 2286
 Delta R.T. -0.04 min
 Lab File: VU036067.D
 Acq: 09 Dec 2019 23:24

Tgt Ion: 43 Resp: 26507
 Ion Ratio Lower Upper
 43 100
 58 11.6 46.9 70.3#
 57 19.4 16.4 24.6
 100 1.4 11.0 16.4#





#59
 1,2,3-Trichloropropane
 Concen: 0.581 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU036067.D
 Acq: 09 Dec 2019 23:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE46

Tgt Ion: 75 Resp: 7988
 Ion Ratio Lower Upper
 75 100
 77 43.2 26.7 40.1#

