

Data File : VU035413.D
Acq On : 23 Oct 2019 16:45
Operator : JC/SP
Sample : K5461-12DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0G65DL

Quant Time: Oct 24 05:24:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	230882	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	235258	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	83975	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	64113	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.93	69	65525	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.59	63	90253	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.71	46	244627	60.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.94%
24) Chloroform-d	5.11	84	142844	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.00%
26) 1,2-Dichloroethane-d4	5.75	65	83050	5.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	116.60%
32) Benzene-d6	5.77	84	265281	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.74	67	95655	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.93	98	224100	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	8.21	79	34390	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.68	63	173792	47.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.08%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	83467	5.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	78016	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	26429	1.320 ug/L #	81
13) Acetone	2.67	43	2705	0.961 ug/L	95
16) Methylene chloride	3.08	84	2690	0.151 ug/L	90
17) Methyl tert-butyl Ether	3.43	73	6812	0.171 ug/L #	89
18) trans-1,2-Dichloroethene	3.39	96	3387	0.212 ug/L	97
19) 1,1-Dichloroethane	3.92	63	4288	0.148 ug/L	88
22) cis-1,2-Dichloroethene	4.72	96	140090	7.918 ug/L	98
25) Chloroform	5.13	83	7265	0.229 ug/L	94
34) Trichloroethene	6.58	95	179053	9.621 ug/L	97
35) Methylcyclohexane	6.74	83	21690	0.697 ug/L #	19
37) 1,2-Dichloropropane	6.74	63	10461	0.595 ug/L #	86
39) cis-1,3-Dichloropropene	7.60	75	2498	0.085 ug/L #	42
47) Tetrachloroethene	8.58	164	3593	0.232 ug/L	89
48) 2-Hexanone	8.73	43	12023	1.445 ug/L #	80
49) Dibromochloromethane	8.58	129	3505	0.212 ug/L #	11
59) 1,2,3-Trichloropropane	11.84	75	10697	0.874 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102319\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration

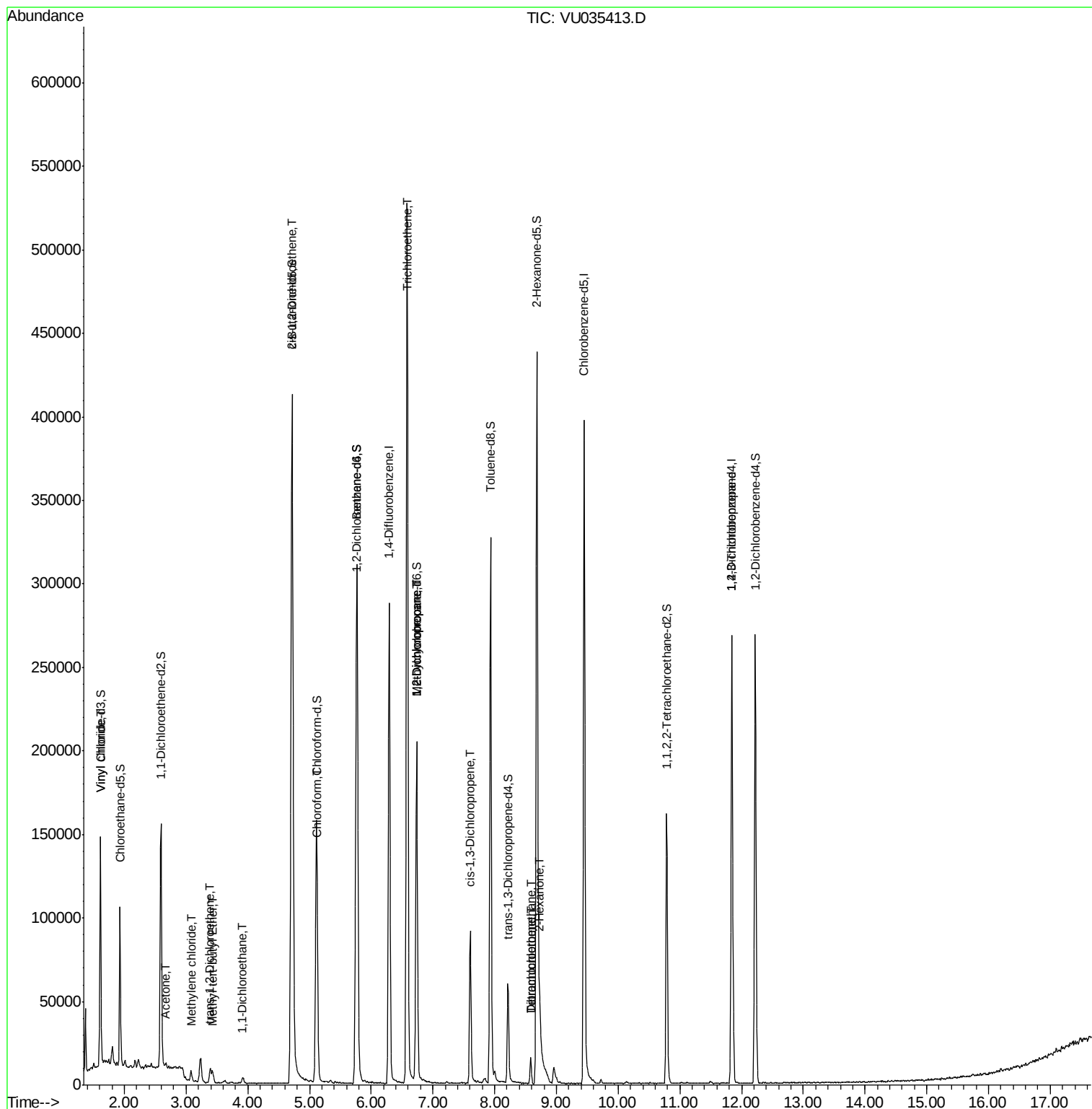
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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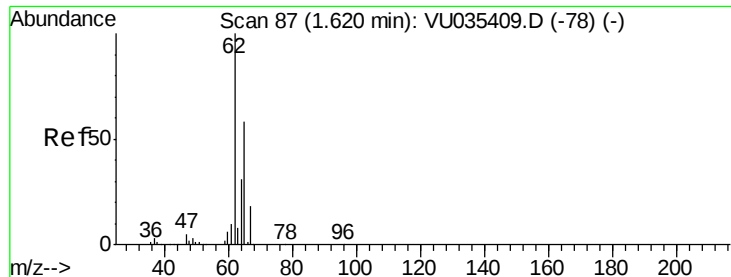
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 05:20:56 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.320 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

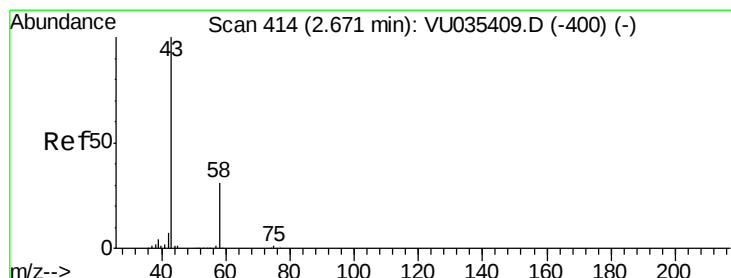
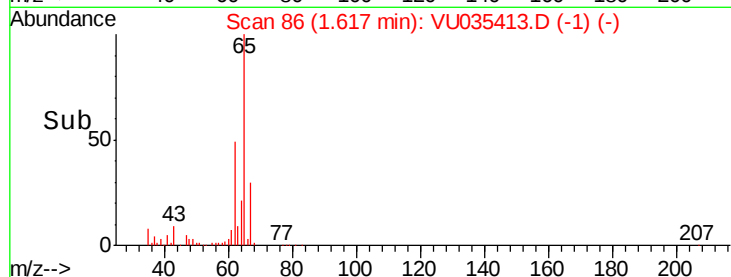
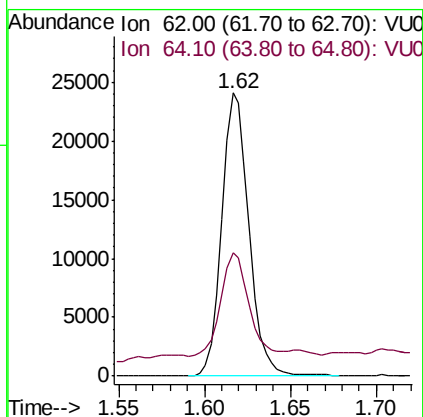
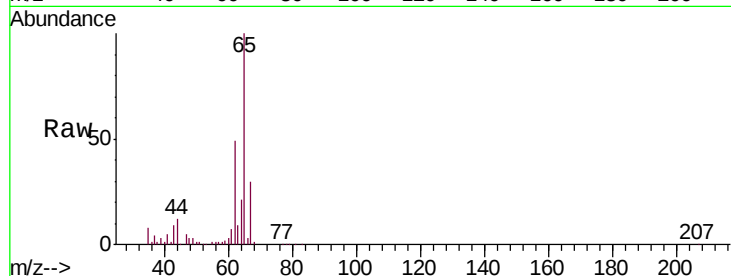
H0G65DL

Tgt Ion: 62 Resp: 26429

Ion Ratio Lower Upper

62 100

64 43.5 22.9 42.5#



#13

Acetone

Concen: 0.961 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU035413.D

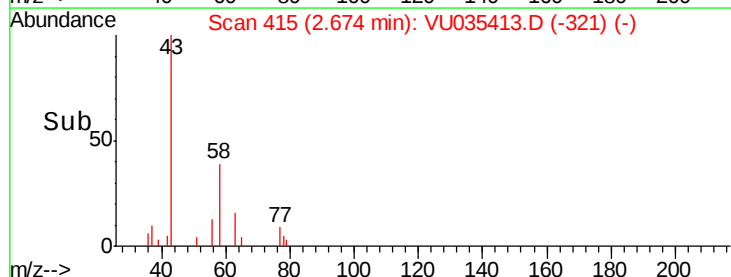
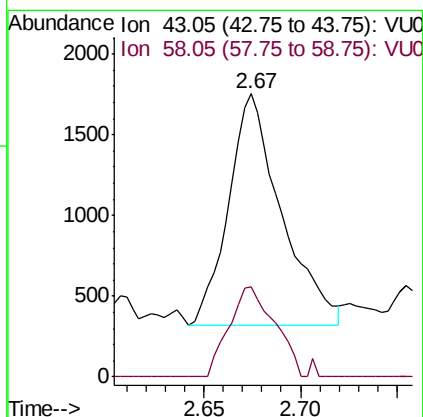
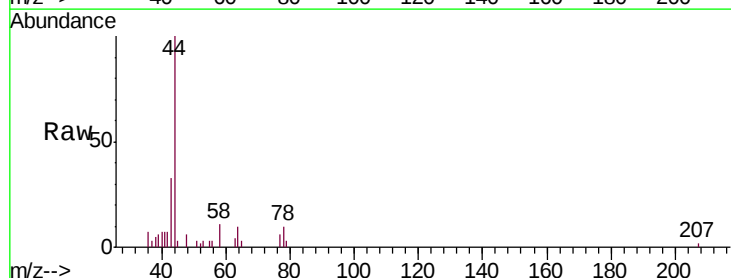
Acq: 23 Oct 2019 16:45

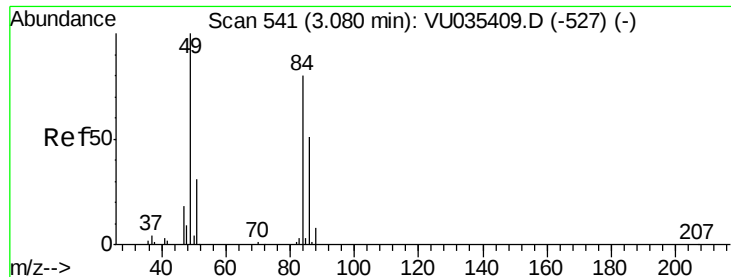
Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

43 100

58 33.9 0.0 61.8

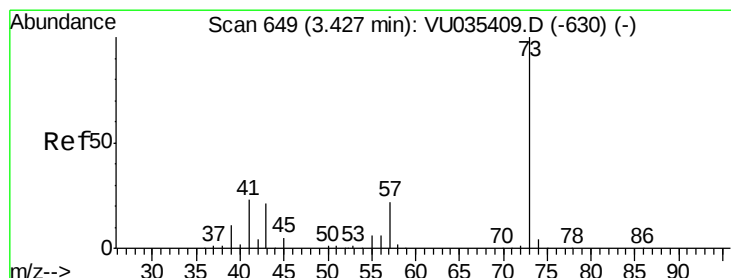
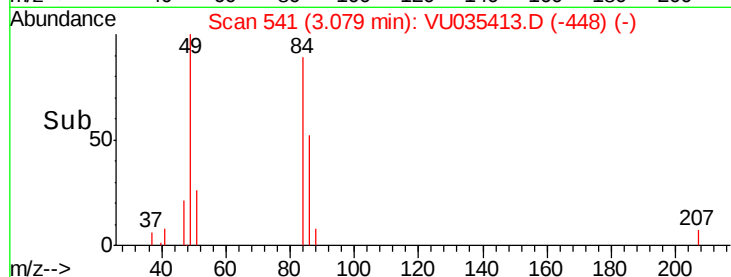
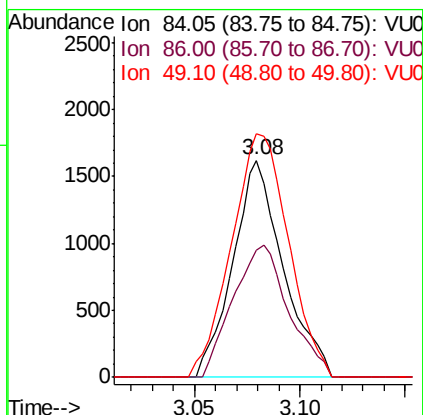
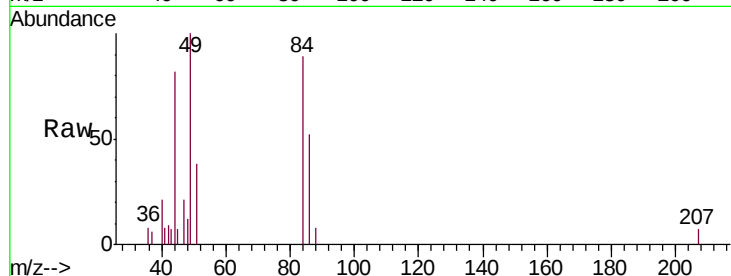




#16
Methylene chloride
Concen: 0.151 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035413.D
Acq: 23 Oct 2019 16:45

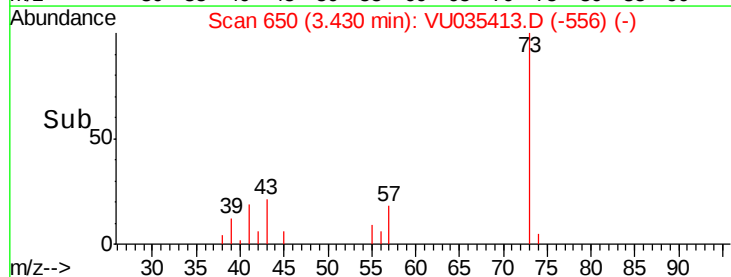
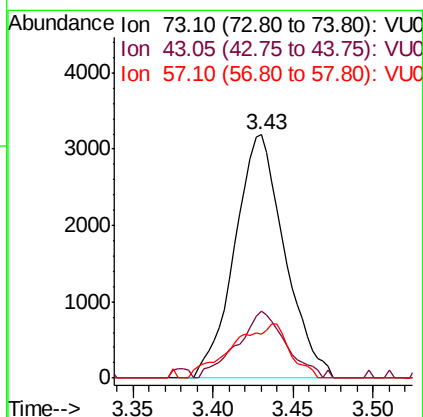
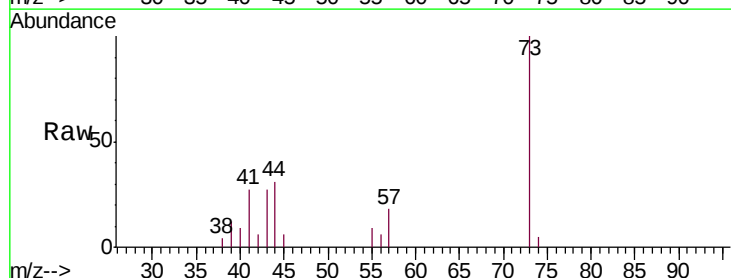
Instrument :
MSVOA_U
ClientSampleId :
H0G65DL

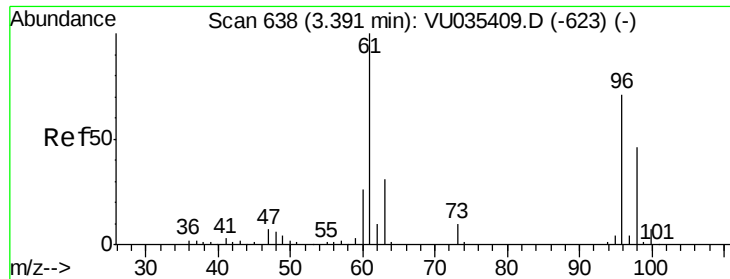
Tgt Ion: 84 Resp: 2690
Ion Ratio Lower Upper
84 100
86 58.2 45.4 84.2
49 112.0 86.8 161.2



#17
Methyl tert-butyl Ether
Concen: 0.171 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035413.D
Acq: 23 Oct 2019 16:45

Tgt Ion: 73 Resp: 6812
Ion Ratio Lower Upper
73 100
43 26.9 16.0 24.0#
57 25.7 17.4 26.2

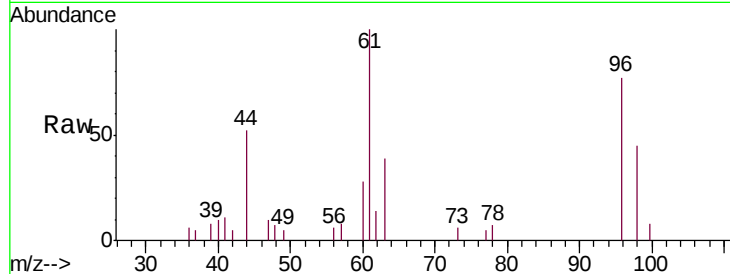




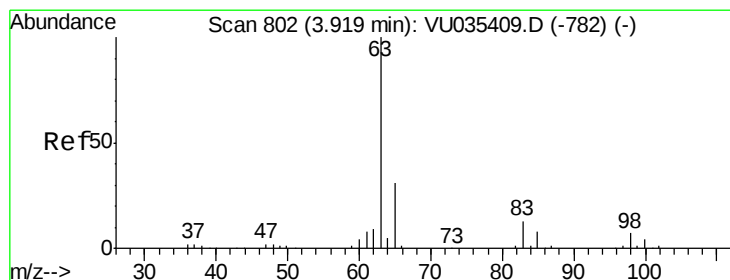
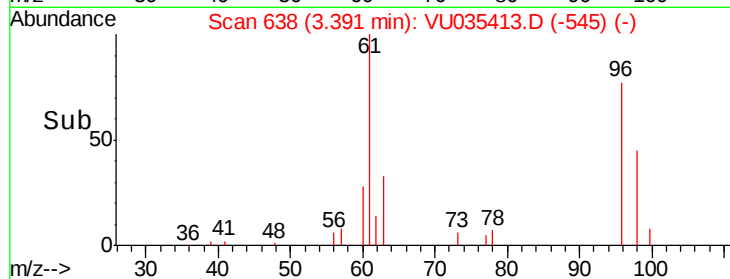
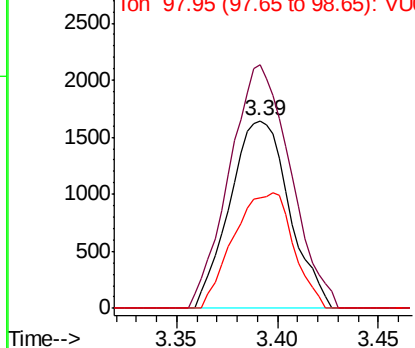
#18
 trans-1,2-Dichloroethene
 Concen: 0.212 ug/L
 RT: 3.39 min Scan# 638
 Delta R.T. -0.00 min
 Lab File: VU035413.D
 Acq: 23 Oct 2019 16:45

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G65DL

Tgt Ion: 96 Resp: 3387
 Ion Ratio Lower Upper
 96 100
 61 129.6 93.0 172.6
 98 58.8 43.7 81.1

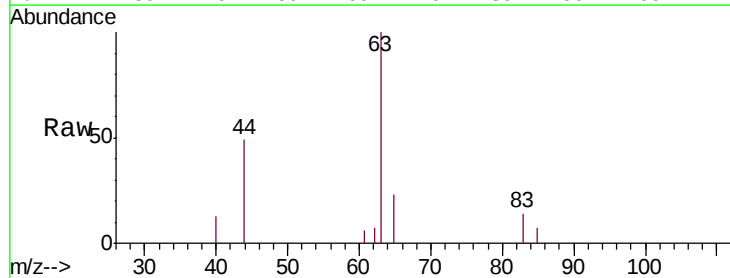


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

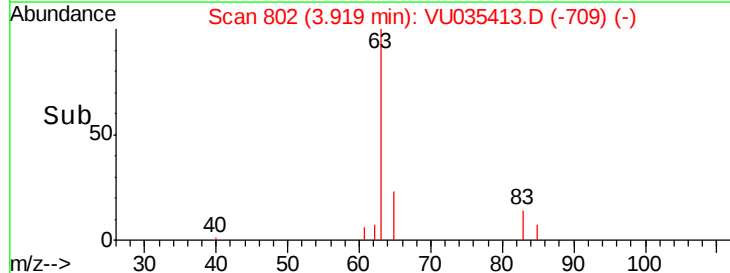
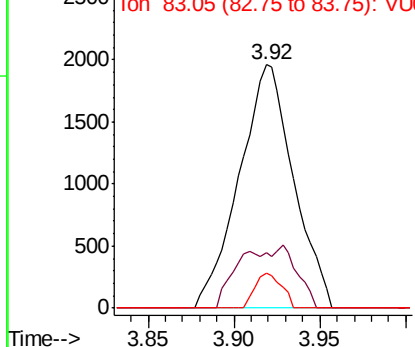


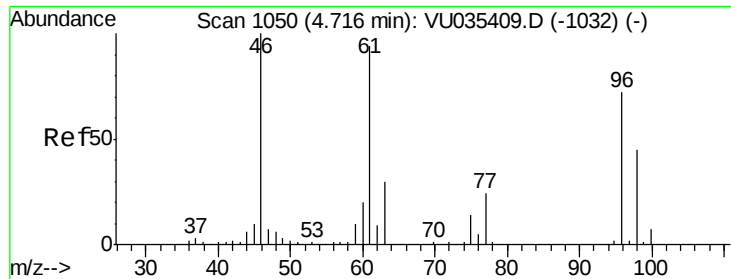
#19
 1,1-Dichloroethane
 Concen: 0.148 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: VU035413.D
 Acq: 23 Oct 2019 16:45

Tgt Ion: 63 Resp: 4288
 Ion Ratio Lower Upper
 63 100
 65 22.8 22.4 41.6
 83 14.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 7.918 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

H0G65DL

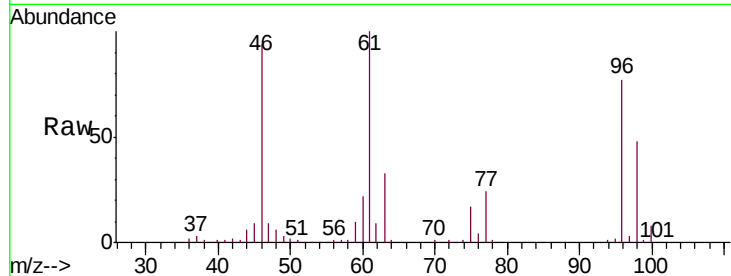
Tgt Ion: 96 Resp: 140090

Ion Ratio Lower Upper

96 100

61 129.9 89.7 166.5

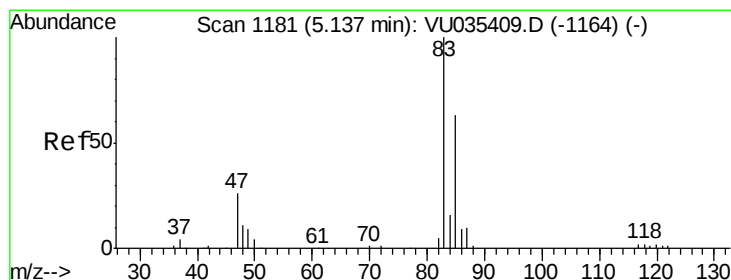
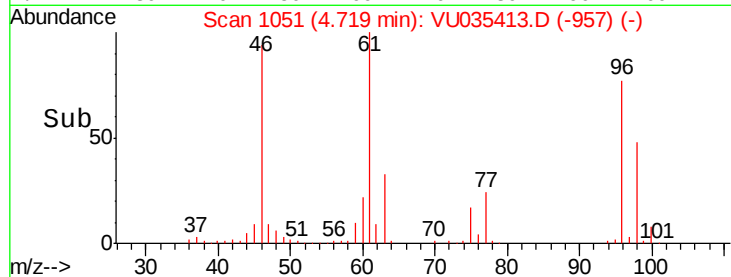
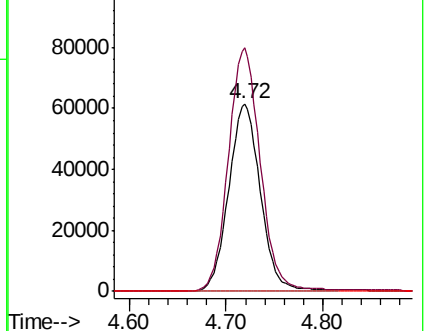
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035413.D (-957) (-)

Ion 61.05 (60.75 to 61.75): VU035413.D (-957) (-)

Ion 68.15 (67.85 to 68.85): VU035413.D (-957) (-)



#25

Chloroform

Concen: 0.229 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU035413.D

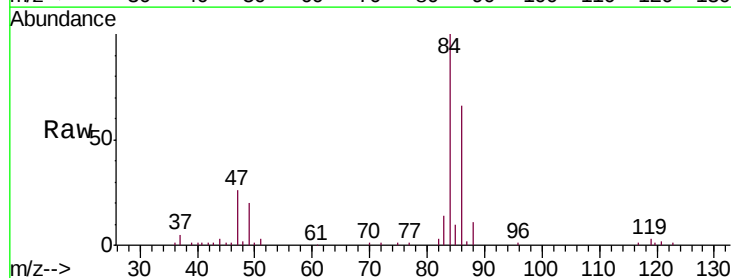
Acq: 23 Oct 2019 16:45

Tgt Ion: 83 Resp: 7265

Ion Ratio Lower Upper

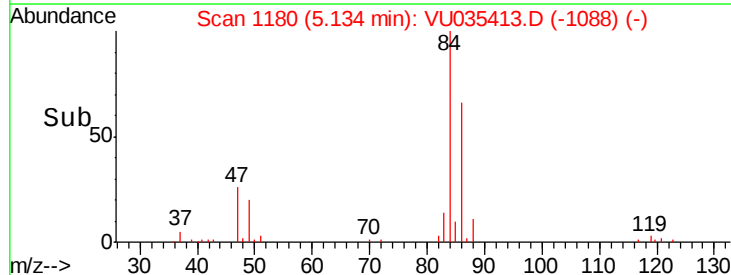
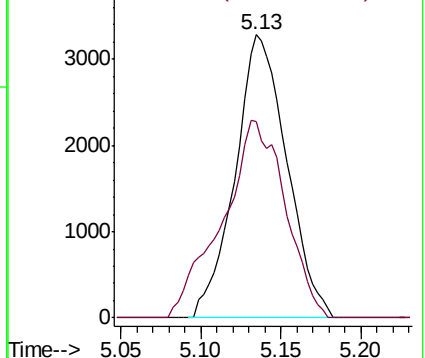
83 100

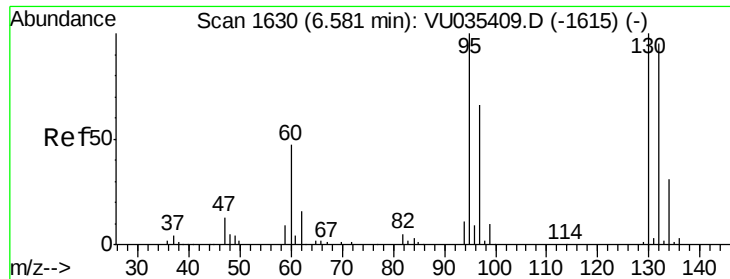
85 69.3 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU035413.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035413.D (-1088) (-)





#34

Trichloroethene

Concen: 9.621 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

H0G65DL

Tgt Ion: 95 Resp: 179053

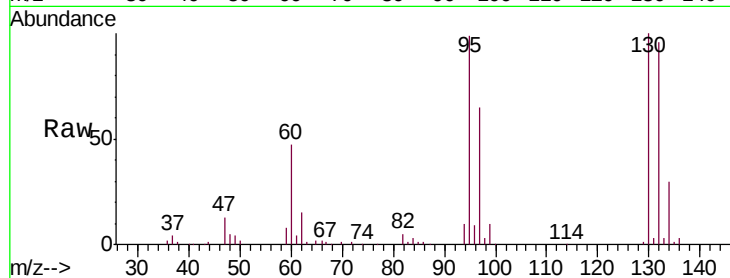
Ion Ratio Lower Upper

95 100

97 66.0 46.6 86.6

132 96.4 68.7 127.7

130 100.7 73.9 137.3

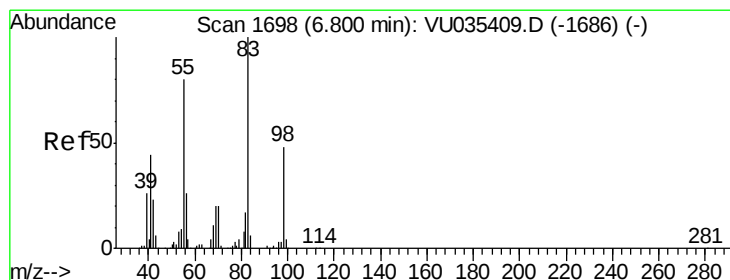
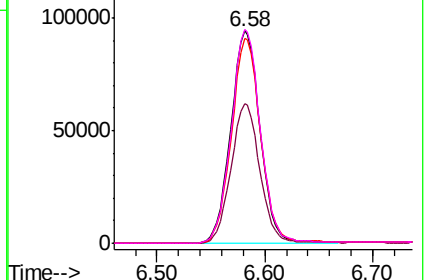
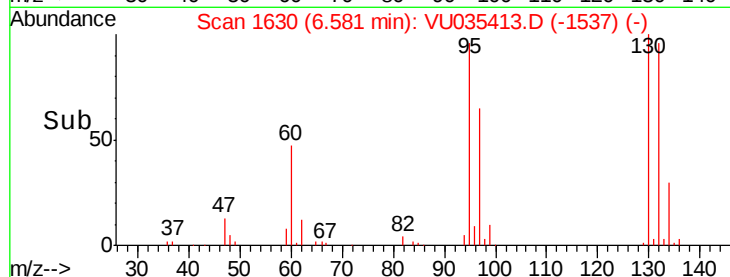


Abundance Ion 95.00 (94.70 to 95.70): VU035413.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035413.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035413.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035413.D (-1615) (-)



#35

Methylcyclohexane

Concen: 0.697 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

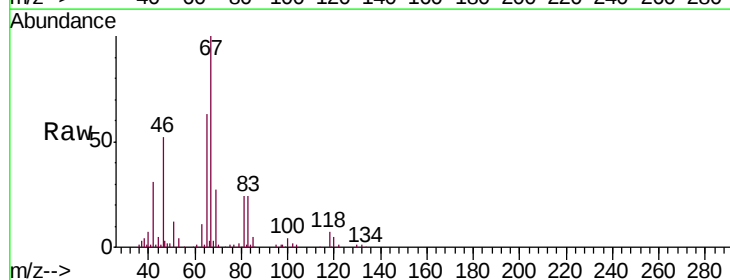
Tgt Ion: 83 Resp: 21690

Ion Ratio Lower Upper

83 100

55 0.4 60.4 90.6#

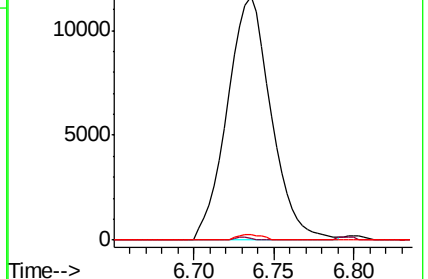
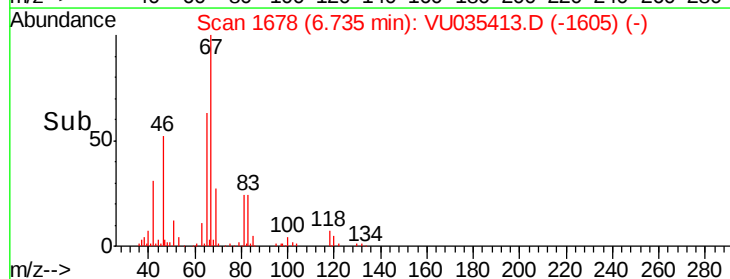
98 1.2 39.5 59.3#

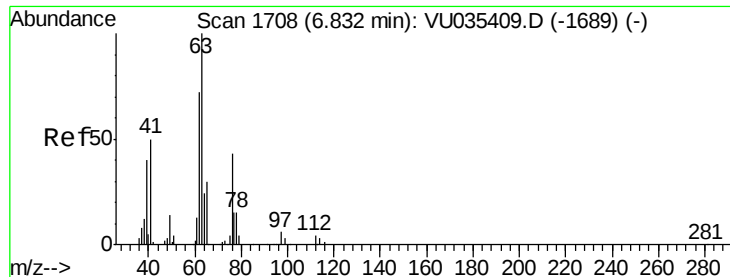


Abundance Ion 83.15 (82.85 to 83.85): VU035413.D (-1605) (-)

Ion 55.10 (54.80 to 55.80): VU035413.D (-1605) (-)

Ion 98.15 (97.85 to 98.85): VU035413.D (-1605) (-)

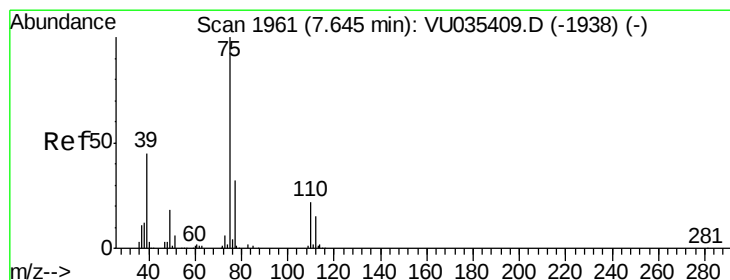
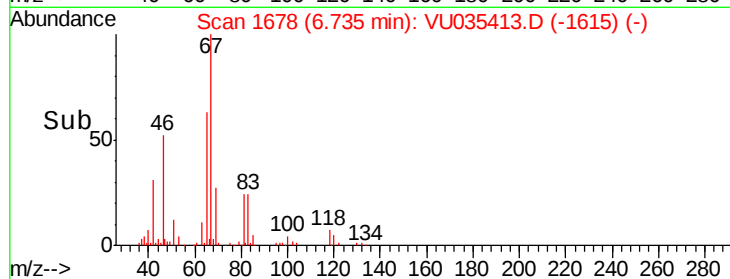
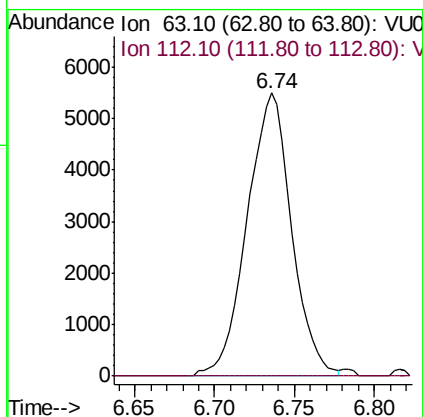
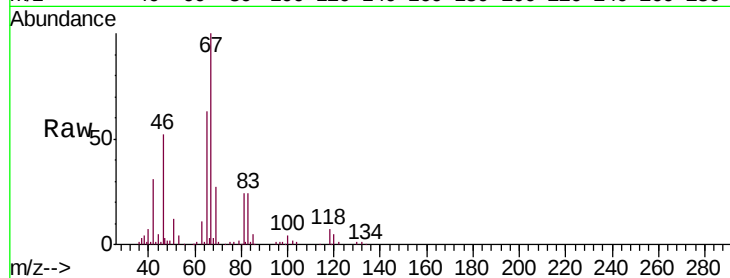




#37
 1,2-Dichloropropane
 Concen: 0.595 ug/L
 RT: 6.74 min Scan# 1678
 Delta R.T. -0.10 min
 Lab File: VU035413.D
 Acq: 23 Oct 2019 16:45

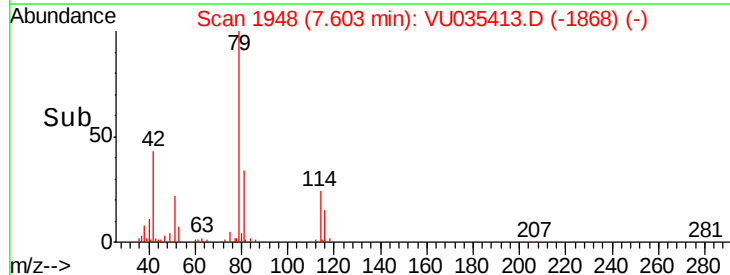
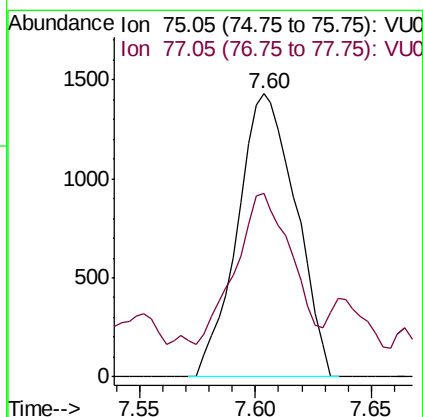
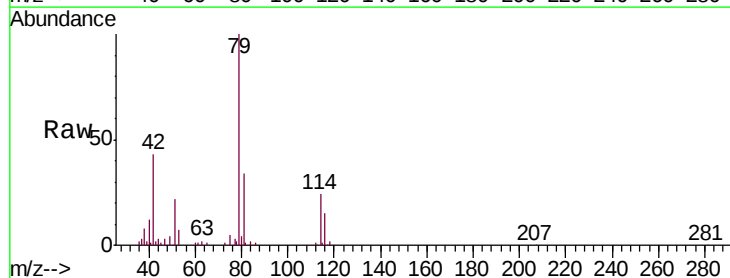
Instrument :
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 H0G65DL

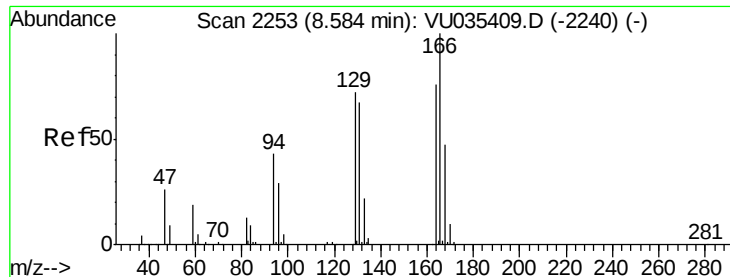
Tgt Ion: 63 Resp: 10461
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.085 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU035413.D
 Acq: 23 Oct 2019 16:45

Tgt Ion: 75 Resp: 2498
 Ion Ratio Lower Upper
 75 100
 77 64.9 22.7 42.1#





#47

Tetrachloroethene

Concen: 0.232 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

H0G65DL

Tgt Ion:164 Resp: 3593

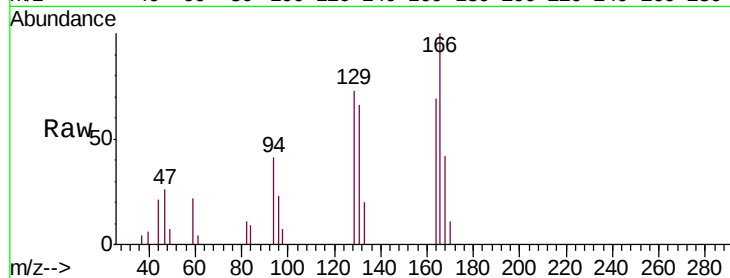
Ion Ratio Lower Upper

164 100

129 105.6 65.2 121.0

131 95.8 62.9 116.9

166 144.7 91.5 169.9

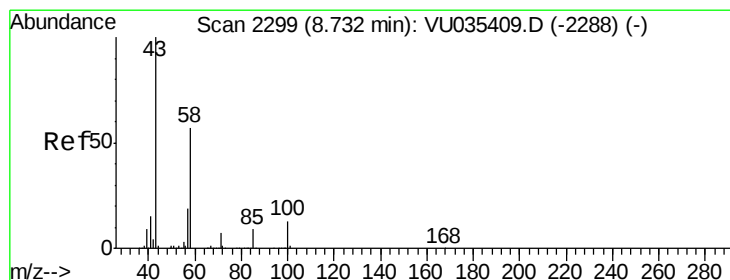
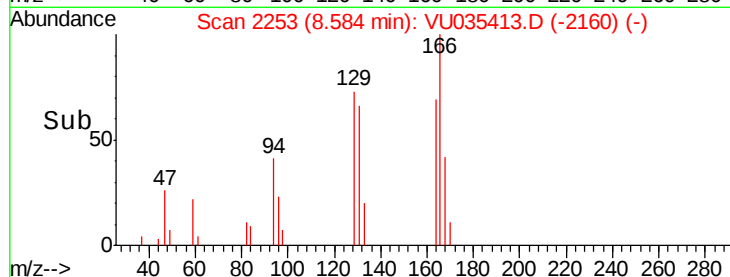
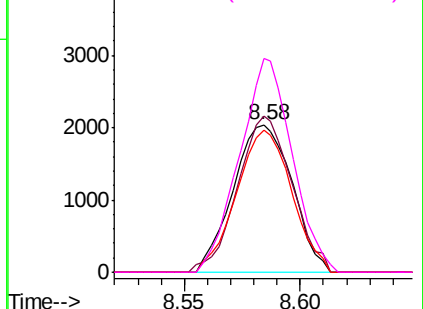


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.445 ug/L

RT: 8.73 min Scan# 2298

Delta R.T. -0.00 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Tgt Ion: 43 Resp: 12023

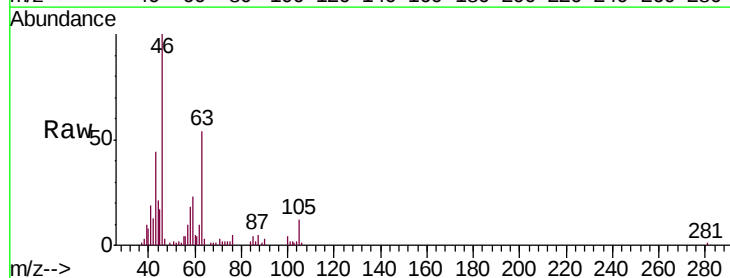
Ion Ratio Lower Upper

43 100

58 37.9 45.1 67.7#

57 15.8 16.0 24.0#

100 6.2 10.4 15.6#

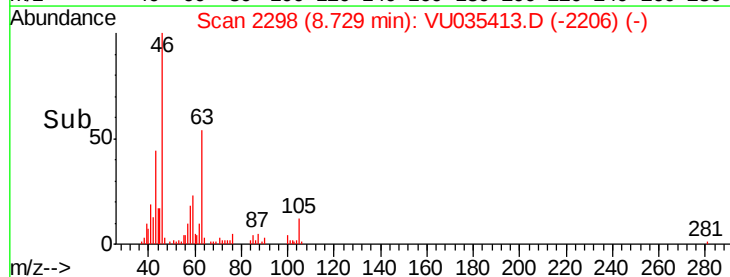
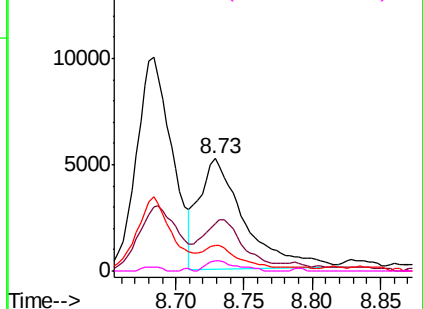


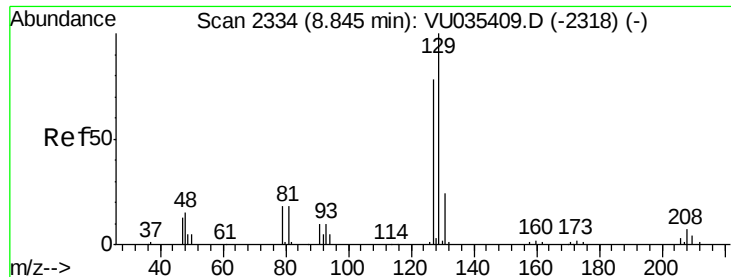
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.212 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU035413.D

Acq: 23 Oct 2019 16:45

Instrument :

MSVOA_U

ClientSampleId :

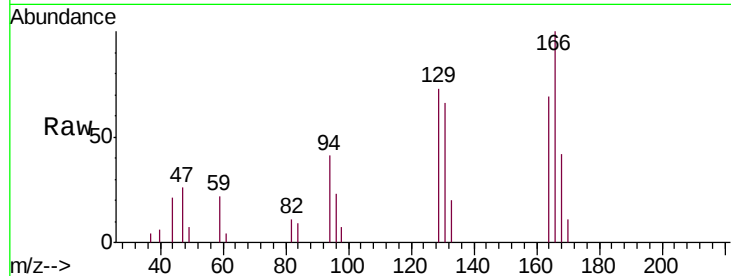
H0G65DL

Tgt Ion:129 Resp: 3505

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

2500

2000

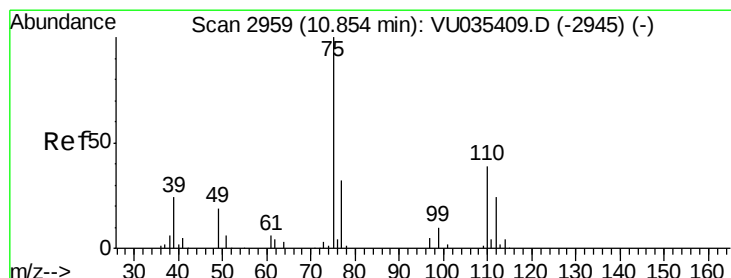
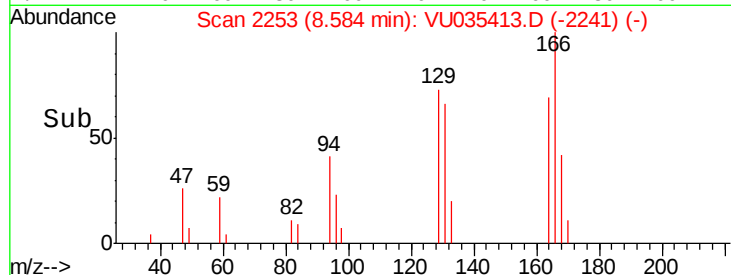
1500

1000

500

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.874 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035413.D

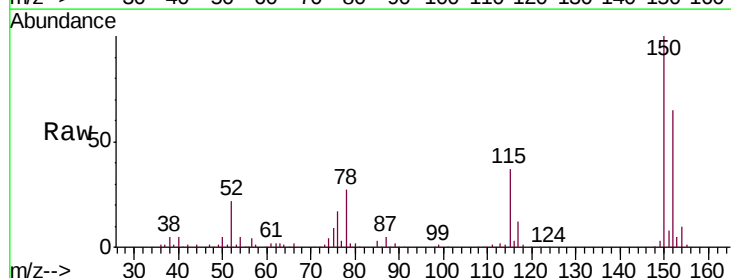
Acq: 23 Oct 2019 16:45

Tgt Ion: 75 Resp: 10697

Ion Ratio Lower Upper

75 100

77 36.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.84

6000

4000

2000

0

Time-->

