

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035378.D
 Acq On : 22 Oct 2019 21:17
 Operator : JC/SP
 Sample : K5461-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H0G00

Quant Time: Oct 23 08:54:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 08:02:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	260462	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	259717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88834	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	119912	7.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	151.00%#
7) Chloroethane-d5	1.93	69	100724	6.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	138.80%#
11) 1,1-Dichloroethene-d2	2.59	63	155592	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.00%
20) 2-Butanone-d5	4.71	46	266004	58.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.56%
24) Chloroform-d	5.11	84	166840	5.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.00%
26) 1,2-Dichloroethane-d4	5.75	65	97812	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.60%
32) Benzene-d6	5.77	84	363615	6.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	122.40%
36) 1,2-Dichloropropane-d6	6.74	67	120515	6.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	127.80%
41) Toluene-d8	7.93	98	310907	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
43) trans-1,3-Dichloropropene-	8.22	79	41961	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.69	63	190992	47.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.64%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	92516	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	12.22	152	94850	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

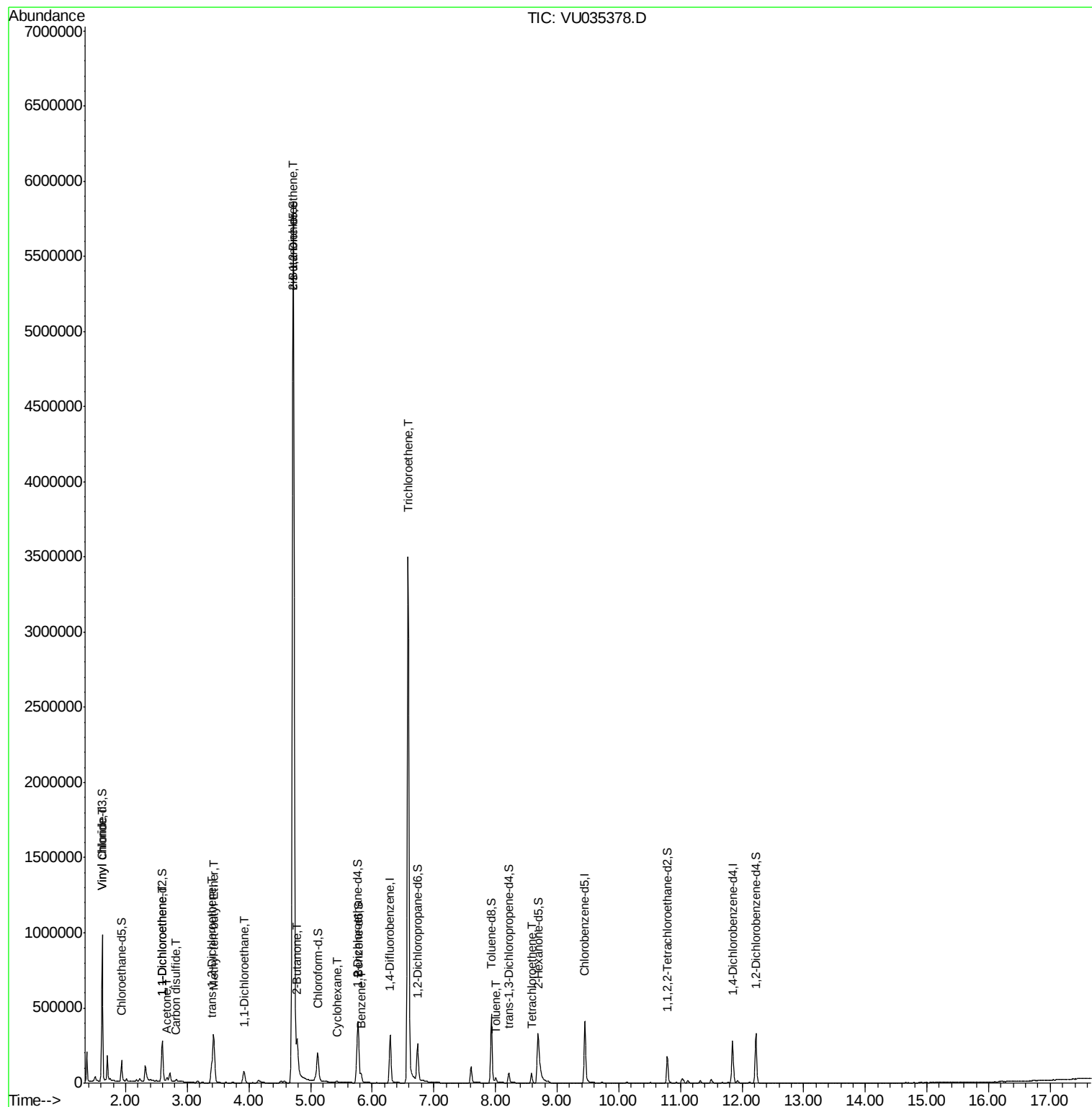
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	509313	22.553	ug/L	100
12) 1,1-Dichloroethene	2.61	96	7941	0.475	ug/L #	1
13) Acetone	2.67	43	28044	8.834	ug/L	94
14) Carbon disulfide	2.82	76	11253	0.213	ug/L #	93
17) Methyl tert-butyl Ether	3.43	73	350069	7.773	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	40526	2.244	ug/L	95
19) 1,1-Dichloroethane	3.92	63	87562	2.681	ug/L	100
21) 2-Butanone	4.78	43	299888	57.956	ug/L	96
22) cis-1,2-Dichloroethene	4.72	96	3011497	150.878	ug/L	97
30) Cyclohexane	5.43	56	2407	0.074	ug/L #	72
33) Benzene	5.82	78	53193	0.696	ug/L	100
34) Trichloroethene	6.58	95	1205406	58.673	ug/L	97
42) Toluene	8.01	91	19046	0.226	ug/L	99
47) Tetrachloroethene	8.58	164	15264	0.892	ug/L	93

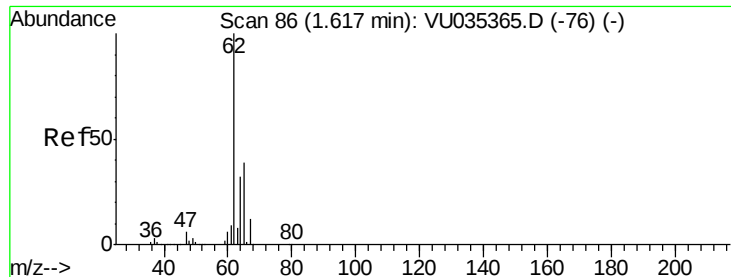
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 23 08:02:08 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 22.553 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

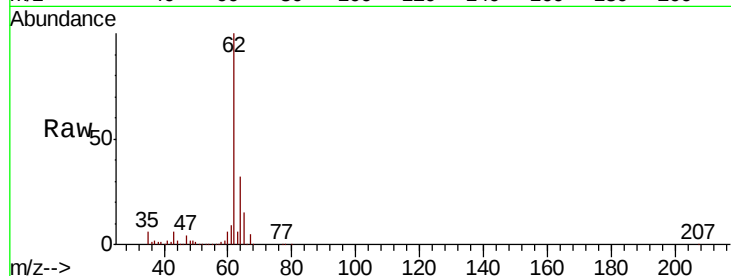
H0G00

Tot Ion: 62 Resp: 509313

Ion Ratio Lower Upper

62 100

64 32.5 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.62

500000

400000

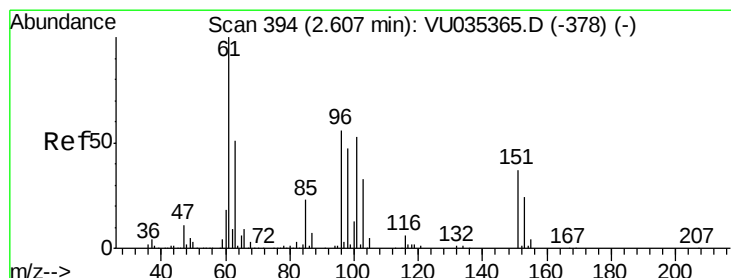
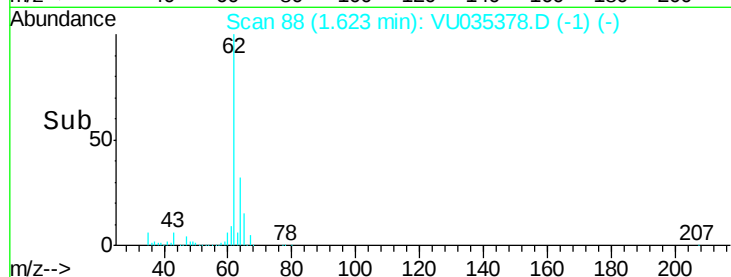
300000

200000

100000

0

Time--> 1.55 1.60 1.65 1.70



#12

1,1-Dichloroethene

Concen: 0.475 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

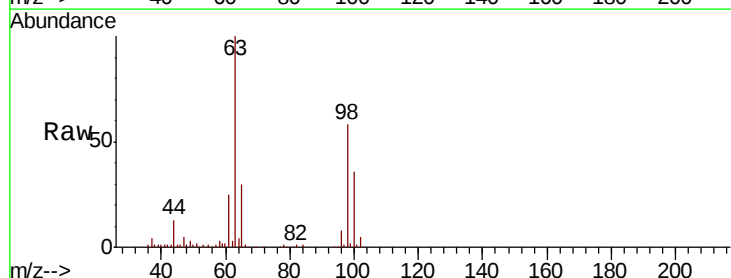
Tgt Ion: 96 Resp: 7941

Ion Ratio Lower Upper

96 100

61 304.5 120.6 224.0#

63 1204.7 86.8 161.2#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

120000

100000

80000

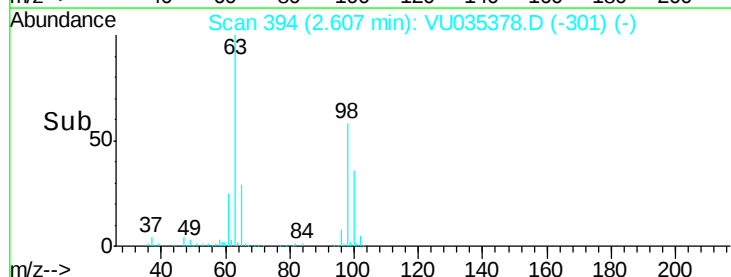
60000

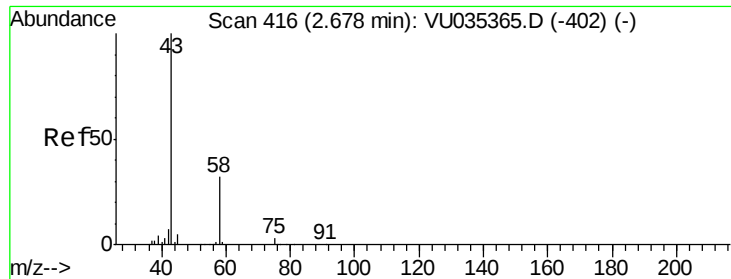
40000

20000

0

Time--> 2.55 2.60 2.65





#13

Acetone

Concen: 8.834 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

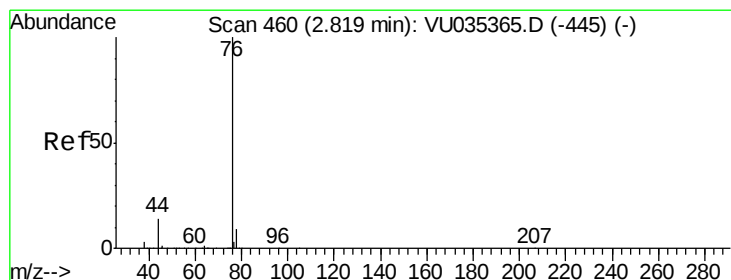
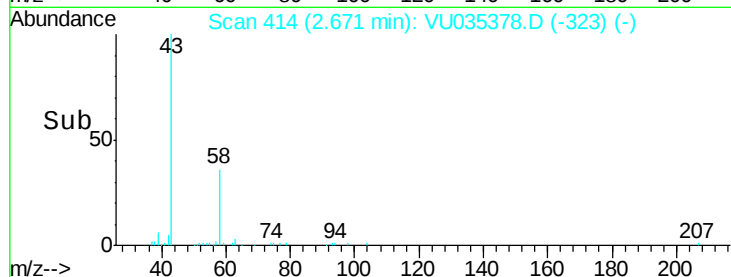
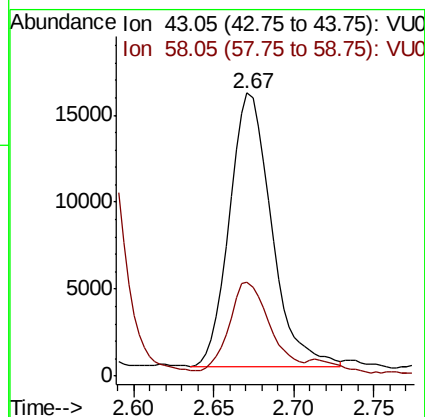
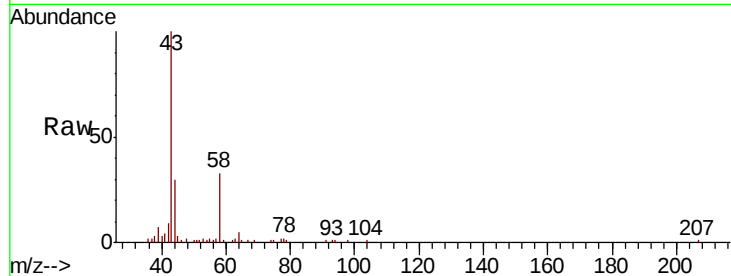
H0G00

Tot Ion: 43 Resp: 28044

Ion Ratio Lower Upper

43 100

58 34.2 0.0 61.8



#14

Carbon disulfide

Concen: 0.213 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035378.D

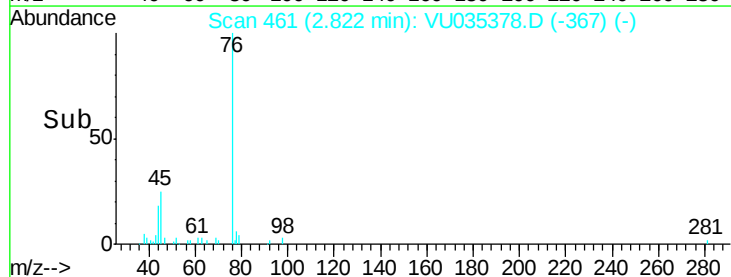
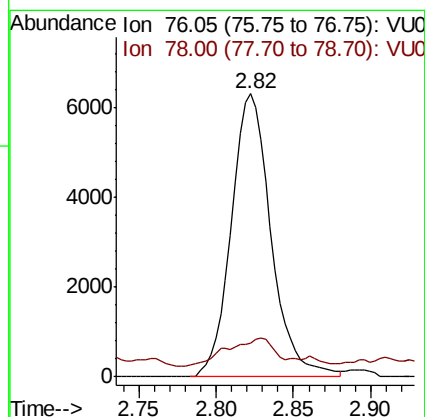
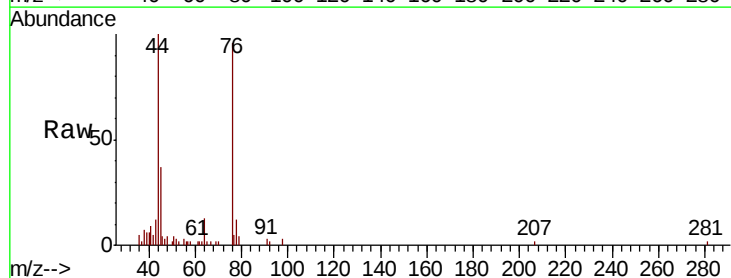
Acq: 22 Oct 2019 21:17

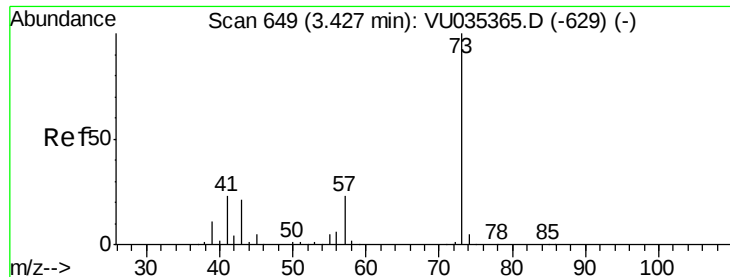
Tgt Ion: 76 Resp: 11253

Ion Ratio Lower Upper

76 100

78 12.0 7.6 11.4#

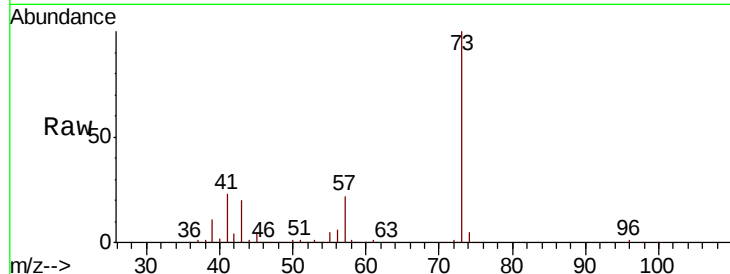




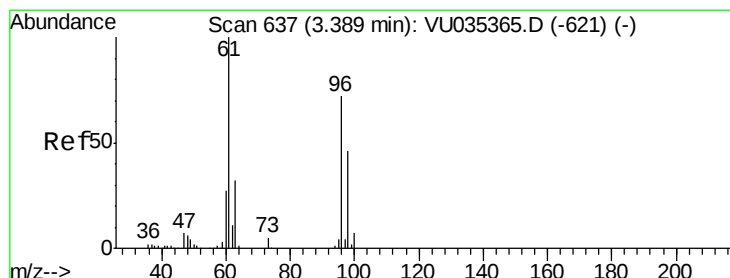
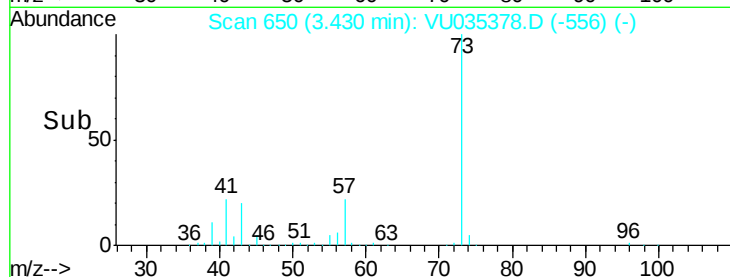
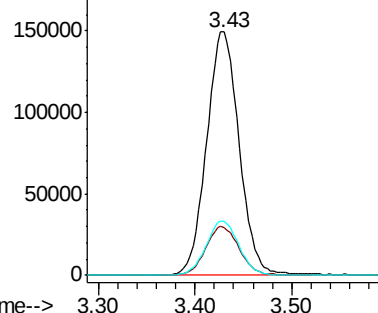
#17
Methvl tert-butvl Ether
Concen: 7.773 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035378.D
Acq: 22 Oct 2019 21:17

Instrument :
MSVOA_U
ClientSampleId :
H0G00

Tot Ion: 73 Resp: 350069
Ion Ratio Lower Upper
73 100
43 20.8 16.0 24.0
57 22.6 17.4 26.2

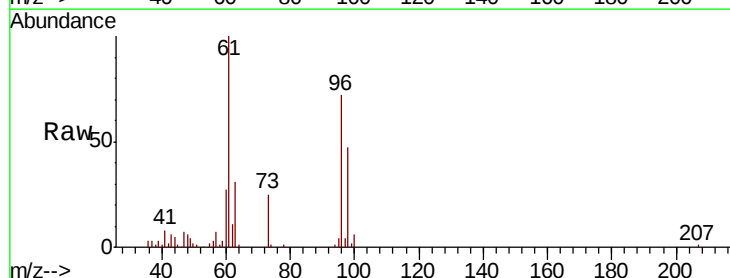


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

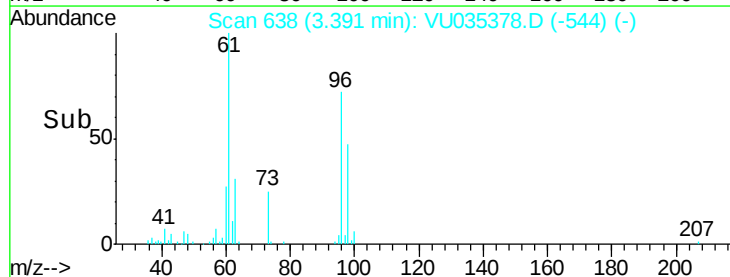
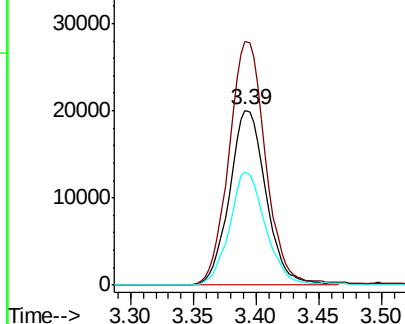


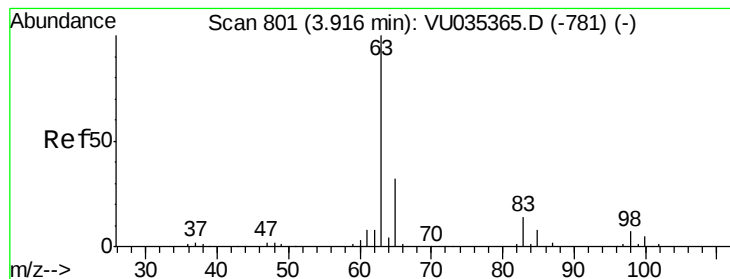
#18
trans-1,2-Dichloroethene
Concen: 2.244 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035378.D
Acq: 22 Oct 2019 21:17

Tgt Ion: 96 Resp: 40526
Ion Ratio Lower Upper
96 100
61 139.1 93.0 172.6
98 64.8 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: 2.681 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

H0G00

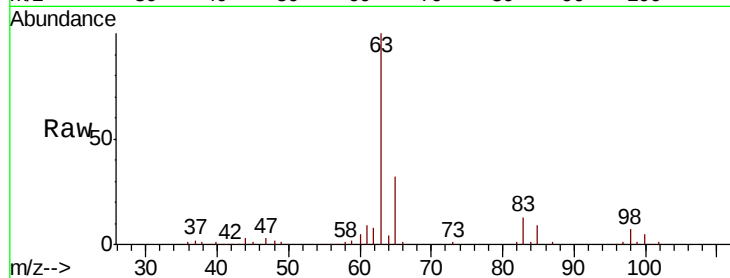
Tot Ion: 63 Resp: 87562

Ion Ratio Lower Upper

63 100

65 32.3 22.4 41.6

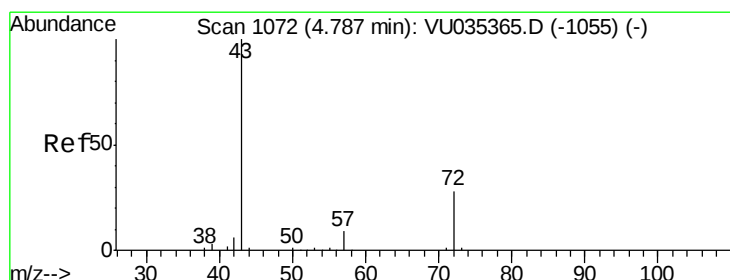
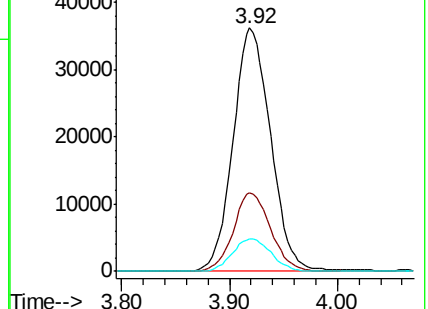
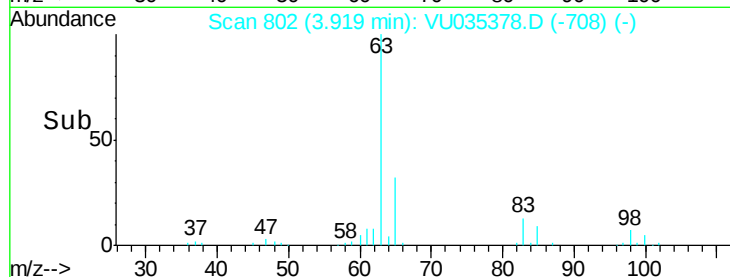
83 13.3 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU035378.D (-708) (-)

Ion 65.10 (64.80 to 65.80): VU035378.D (-708) (-)

Ion 83.05 (82.75 to 83.75): VU035378.D (-708) (-)



#21

2-Butanone

Concen: 57.956 ug/L

RT: 4.78 min Scan# 1071

Delta R.T. -0.00 min

Lab File: VU035378.D

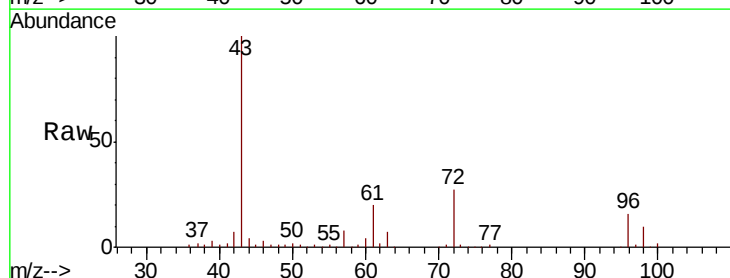
Acq: 22 Oct 2019 21:17

Tgt Ion: 43 Resp: 299888

Ion Ratio Lower Upper

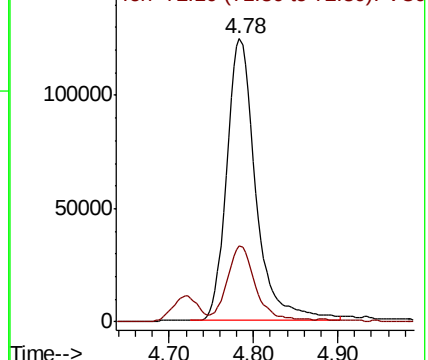
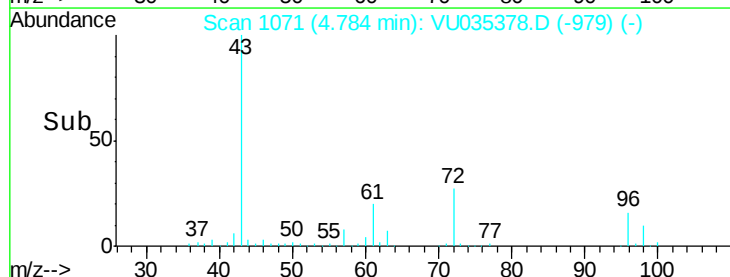
43 100

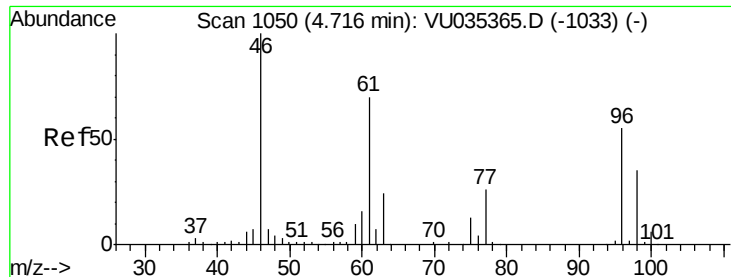
72 24.9 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU035378.D (-979) (-)

Ion 72.10 (71.80 to 72.80): VU035378.D (-979) (-)



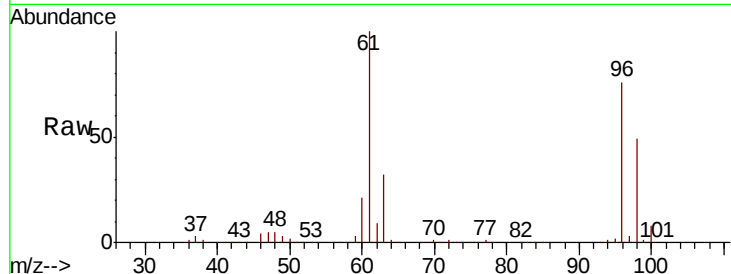


#22
 cis-1,2-Dichloroethene
 Concen: 150.878 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035378.D
 Acq: 22 Oct 2019 21:17

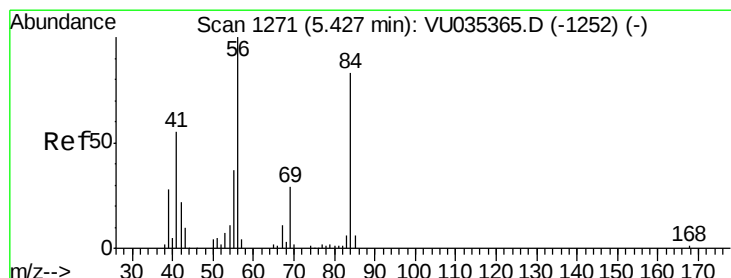
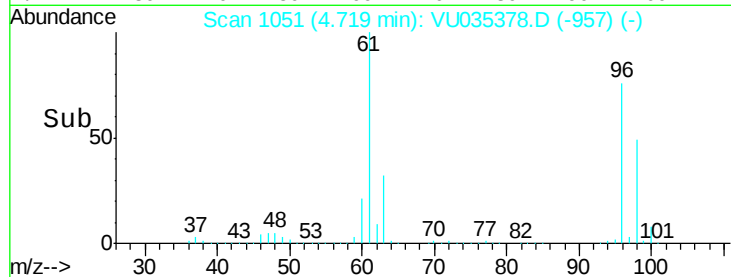
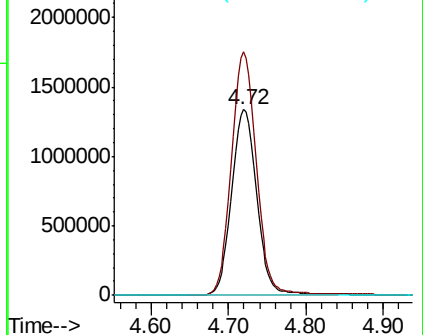
Instrument :
 MSVOA_U
 ClientSampleId :
 H0G00

Tot Ion: 96 Resp: 3011497

Ion	Ratio	Lower	Upper
96	100		
61	131.1	89.7	166.5
68	0.0	0.0	0.0



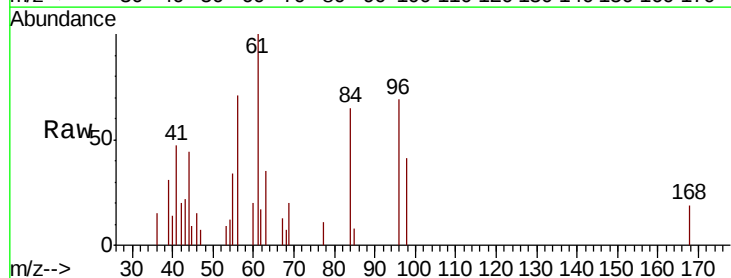
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



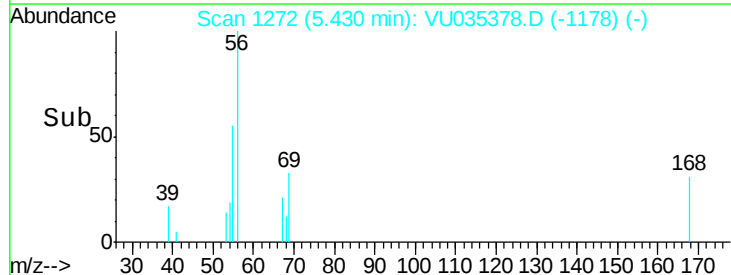
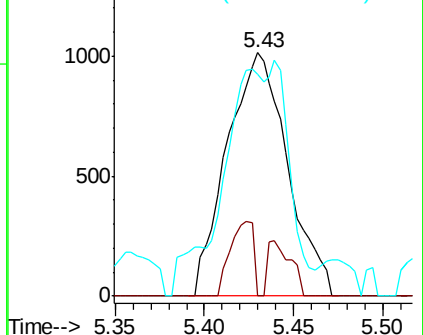
#30
 Cyclohexane
 Concen: 0.074 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU035378.D
 Acq: 22 Oct 2019 21:17

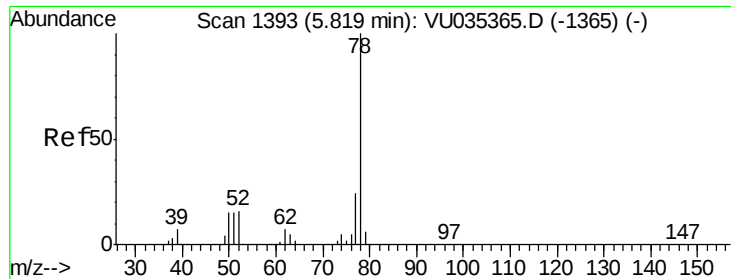
Tgt Ion: 56 Resp: 2407

Ion	Ratio	Lower	Upper
56	100		
69	11.7	24.6	36.8#
84	65.3	71.5	107.3#



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0

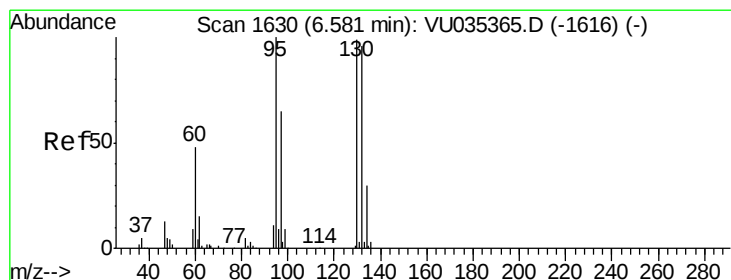
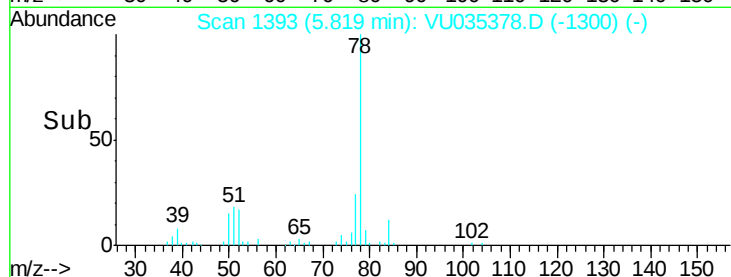
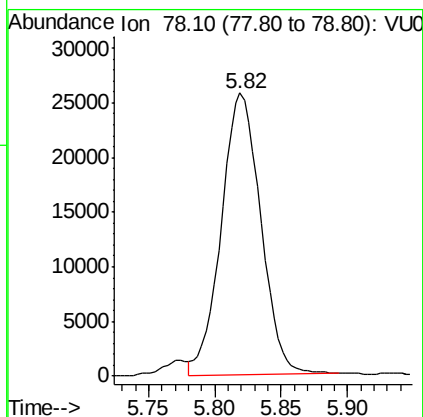
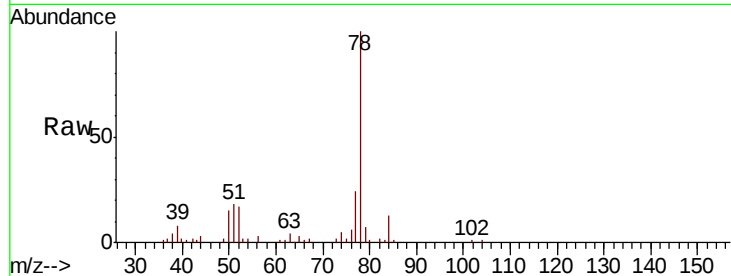




#33
Benzene
Concen: 0.696 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VU035378.D
Acq: 22 Oct 2019 21:17

Tgt Ion: 78 Resp: 53193

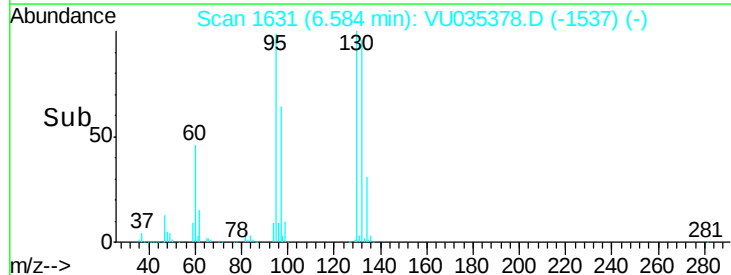
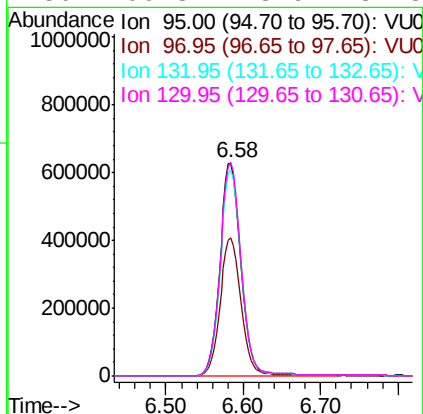
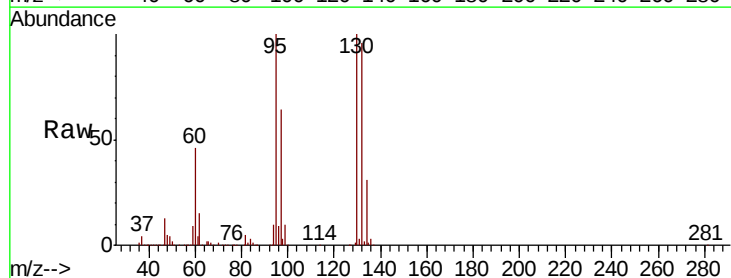
Instrument :
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ClientSampleId :
H0G00

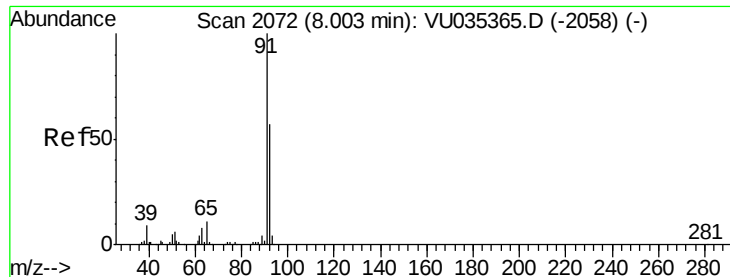


#34
Trichloroethene
Concen: 58.673 ug/L
RT: 6.58 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU035378.D
Acq: 22 Oct 2019 21:17

Tgt Ion: 95 Resp: 1205406

Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.6	86.6
132	96.7	68.7	127.7
130	100.3	73.9	137.3





#42

Toluene

Concen: 0.226 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

Instrument :

MSVOA_U

ClientSampleId :

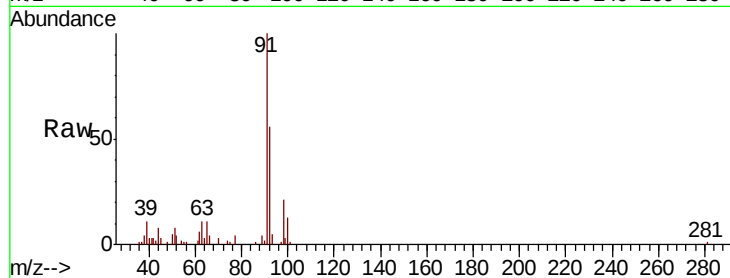
H0G00

Tot Ion: 91 Resp: 19046

Ion Ratio Lower Upper

91 100

92 56.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035365.D (-2058) (-)

Ion 92.15 (91.85 to 92.85): VU035365.D (-2058) (-)

8.01

12000

10000

8000

6000

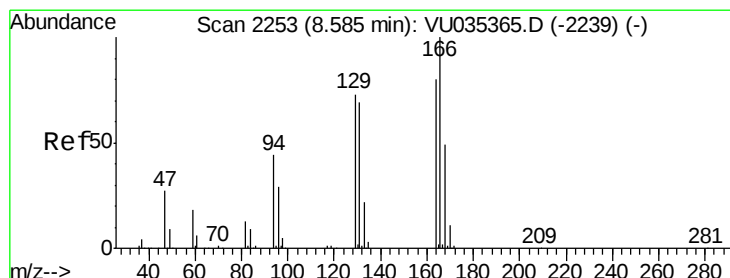
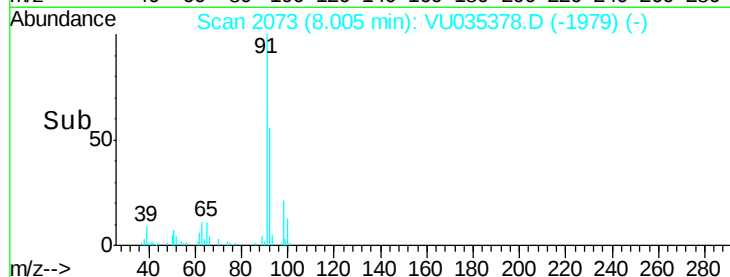
4000

2000

0

7.95 8.00 8.05

Time-->



#47

Tetrachloroethene

Concen: 0.892 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU035378.D

Acq: 22 Oct 2019 21:17

Tgt Ion: 164 Resp: 15264

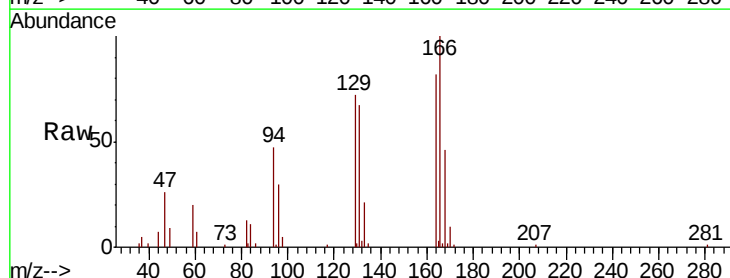
Ion Ratio Lower Upper

164 100

129 87.7 65.2 121.0

131 82.5 62.9 116.9

166 122.4 91.5 169.9



Abundance Ion 163.90 (163.60 to 164.60): VU035365.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU035365.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU035365.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU035365.D (-2239) (-)

15000

10000

8.58

5000

0

8.55 8.60 8.65

Time-->

