

Data File : VU035834.D
Acq On : 25 Nov 2019 19:19
Operator : JC/SP
Sample : K5992-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GARE6

Quant Time: Nov 26 01:07:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258473	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	281131	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	90146	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	164176	4.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.20%
7) Chloroethane-d5	1.93	69	128346	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	2.61	63	429062	6.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	136.80%#
20) 2-Butanone-d5	4.71	46	412690	52.81	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.62%
24) Chloroform-d	5.11	84	250277	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	5.75	65	150862	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.77	84	506608	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.74	67	182296	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.93	98	416697	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	8.21	79	64428	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.68	63	331059	58.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.14%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	142788	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	108033	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.62	62	4100012	94.994 ug/L	99
12) 1,1-Dichloroethene	2.61	96	421927	15.689 ug/L #	77
13) Acetone	2.66	43	6756	0.984 ug/L	92
18) trans-1,2-Dichloroethene	3.39	96	586322	22.140 ug/L	99
19) 1,1-Dichloroethane	3.93	63	7485	0.126 ug/L	94
21) 2-Butanone	4.74	43	12416	1.430 ug/L #	1
25) Chloroform	5.13	83	24544	0.424 ug/L	98
33) Benzene	5.82	78	16512	0.141 ug/L	100
35) Methylcyclohexane	6.74	83	36921	0.874 ug/L #	13
37) 1,2-Dichloropropane	6.74	63	19399	0.583 ug/L #	91
45) 1,1,2-Trichloroethane	8.44	97	11897	0.549 ug/L	89
47) Tetrachloroethene	8.58	164	68290	3.119 ug/L	97
48) 2-Hexanone	8.68	43	46784	3.110 ug/L #	66
49) Dibromochloromethane	8.58	129	63490	2.481 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	12536	0.579 ug/L #	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112519\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration

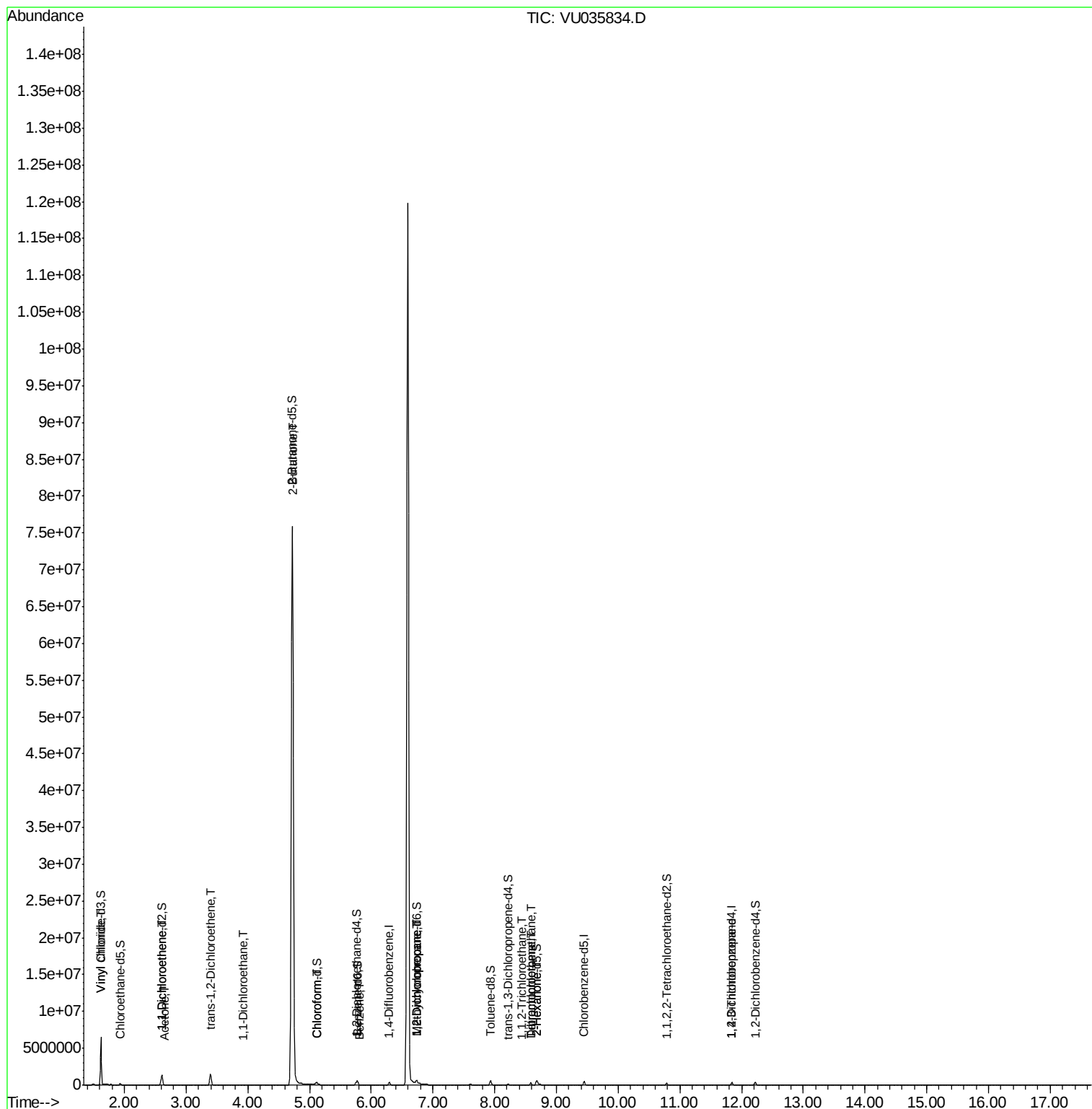
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

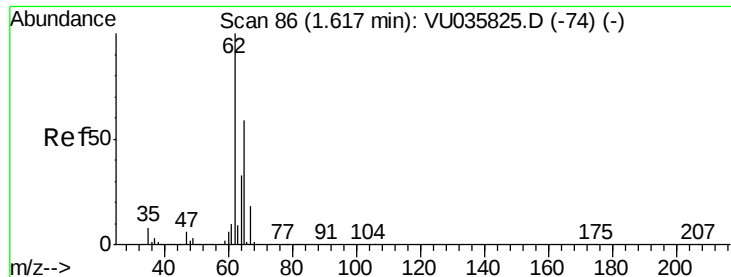
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 94.994 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

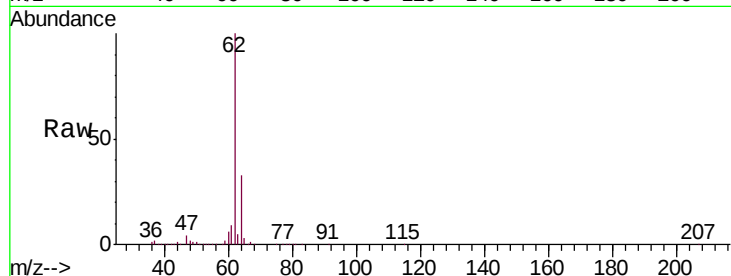
GARE6

Tgt Ion: 62 Resp: 4100012

Ion Ratio Lower Upper

62 100

64 32.5 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035834.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU035834.D (-1) (-)

1.62

4000000

3000000

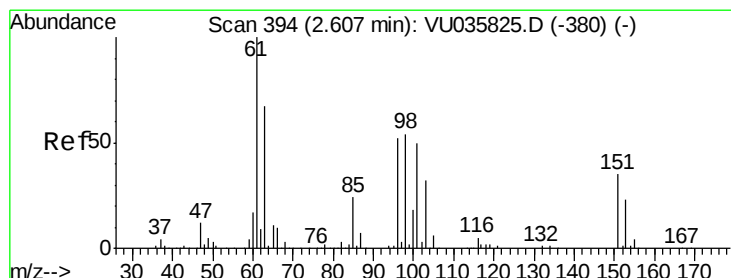
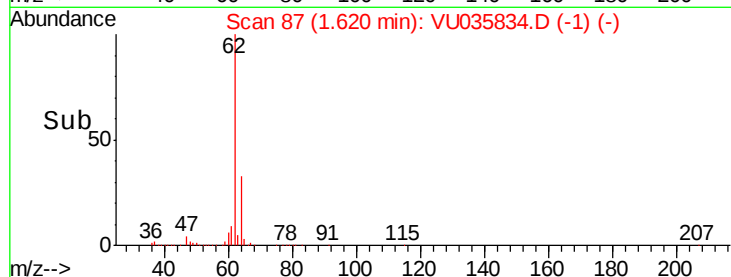
2000000

1000000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#12

1,1-Dichloroethene

Concen: 15.689 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

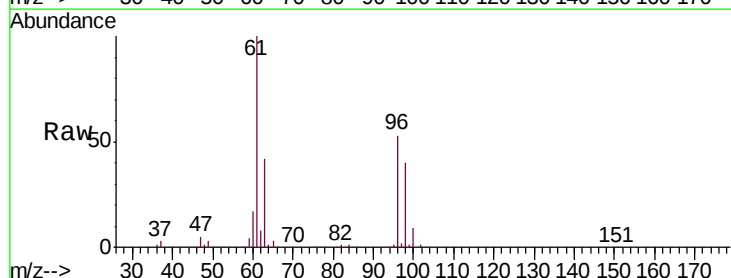
Tgt Ion: 96 Resp: 421927

Ion Ratio Lower Upper

96 100

61 188.0 139.3 258.7

63 79.1 93.7 174.1#



Abundance Ion 96.00 (95.70 to 96.70): VU035834.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU035834.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU035834.D (-301) (-)

600000

500000

400000

300000

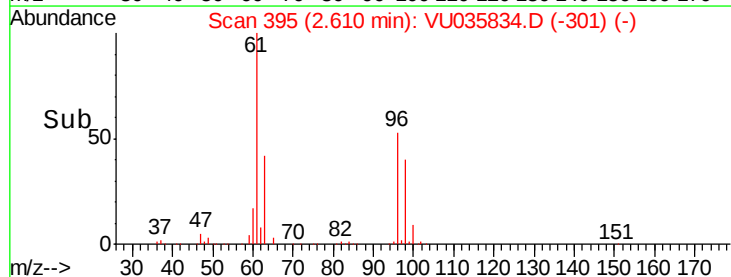
200000

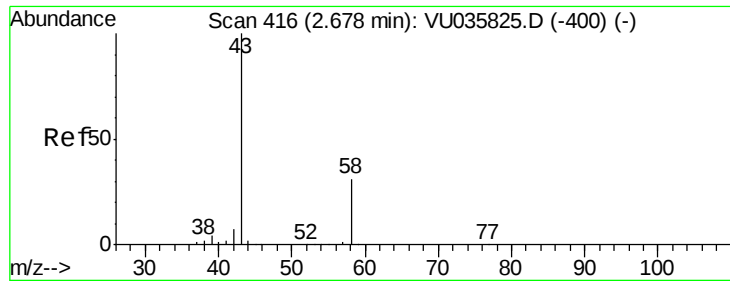
100000

0

Time-->

2.50 2.60 2.70





#13

Acetone

Concen: 0.984 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.01 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

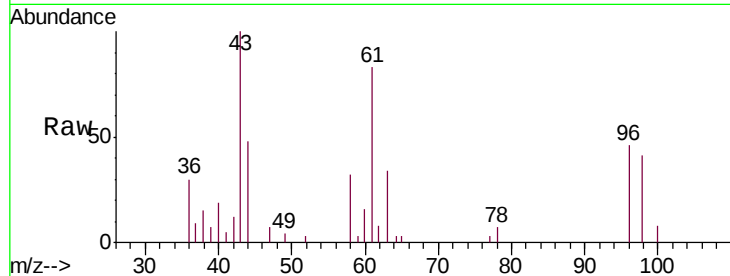
GARE6

Tgt Ion: 43 Resp: 6756

Ion Ratio Lower Upper

43 100

58 34.9 0.0 61.2

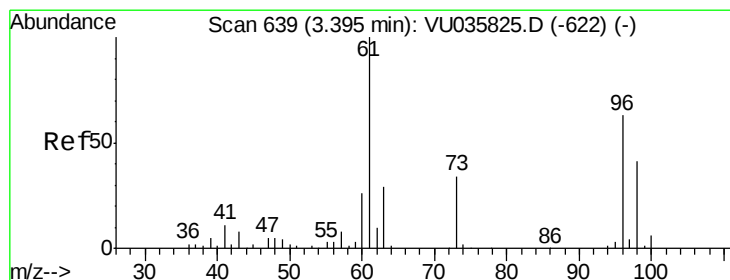
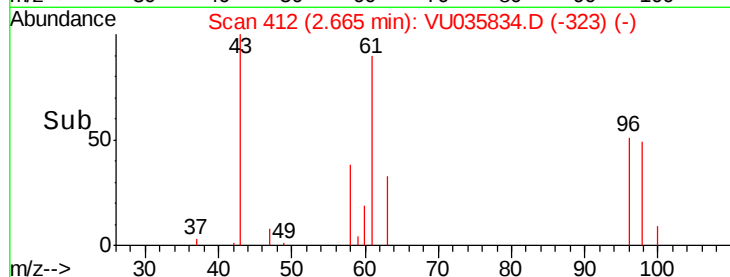


Abundance Ion 43.05 (42.75 to 43.75): VU035825.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035825.D (-400) (-)

2.66

Time-->



#18

trans-1,2-Dichloroethene

Concen: 22.140 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

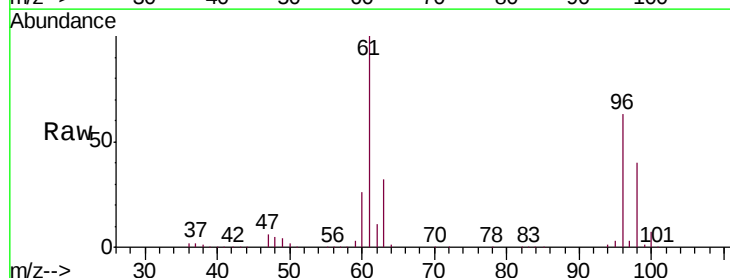
Tgt Ion: 96 Resp: 586322

Ion Ratio Lower Upper

96 100

61 157.7 111.1 206.3

98 62.9 43.1 80.1



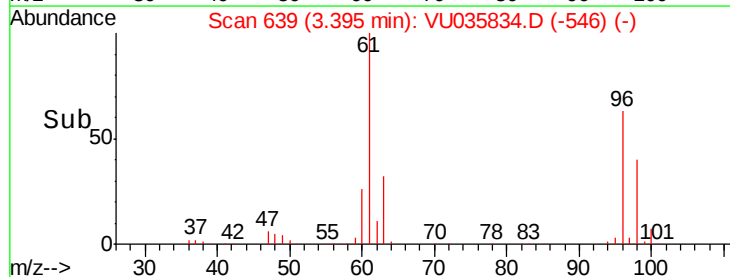
Abundance Ion 96.00 (95.70 to 96.70): VU035825.D (-622) (-)

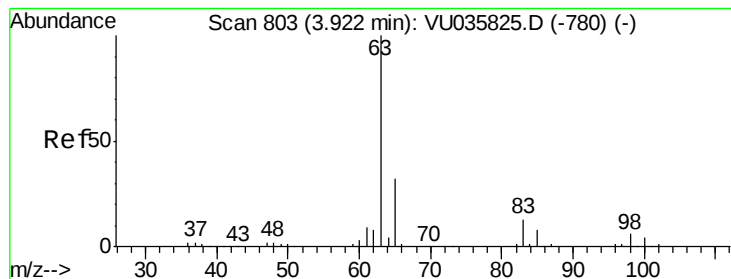
Ion 61.05 (60.75 to 61.75): VU035825.D (-622) (-)

Ion 97.95 (97.65 to 98.65): VU035825.D (-622) (-)

3.39

Time-->





#19

1,1-Dichloroethane

Concen: 0.126 ug/L

RT: 3.93 min Scan# 804

Delta R.T. 0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

GARE6

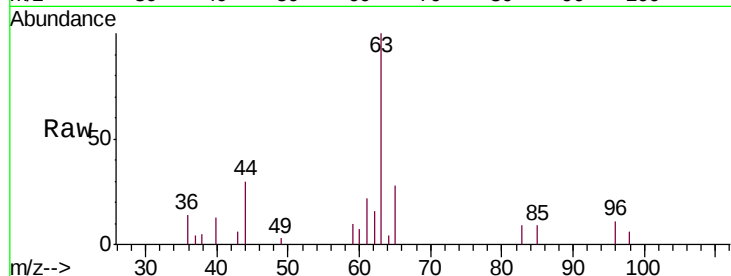
Tgt Ion: 63 Resp: 7485

Ion Ratio Lower Upper

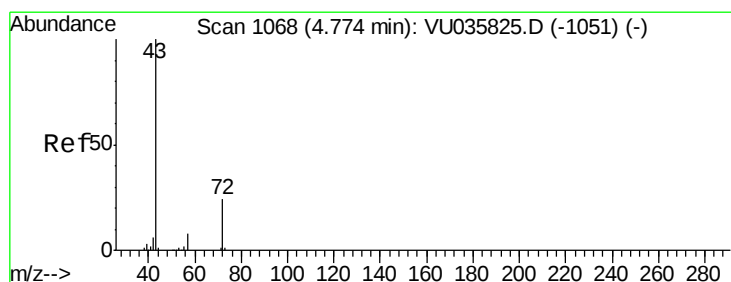
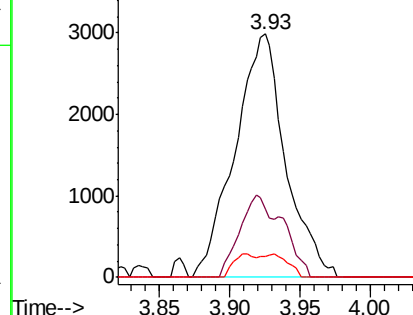
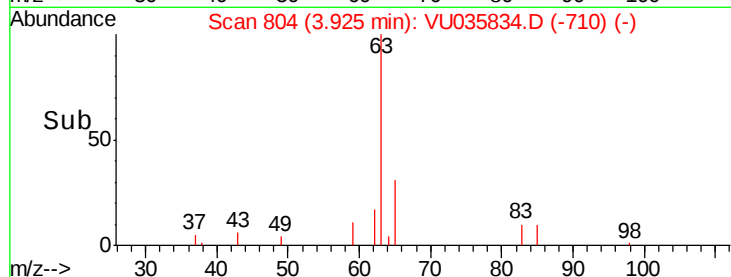
63 100

65 28.2 21.8 40.4

83 8.8 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035834.D (-710) (-)



#21

2-Butanone

Concen: 1.430 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.04 min

Lab File: VU035834.D

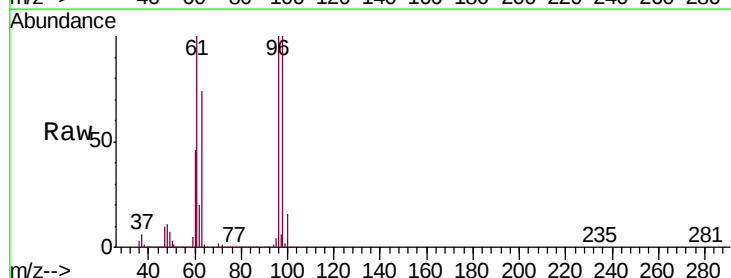
Acq: 25 Nov 2019 19:19

Tgt Ion: 43 Resp: 12416

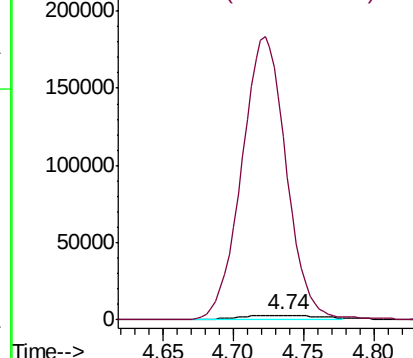
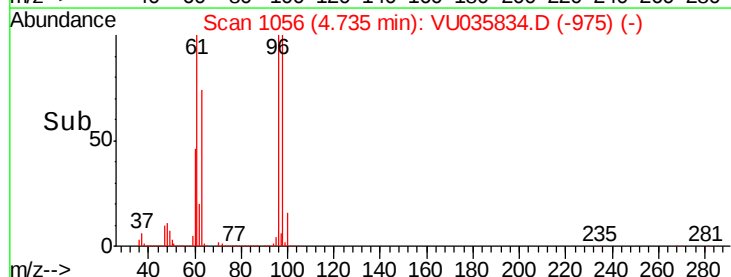
Ion Ratio Lower Upper

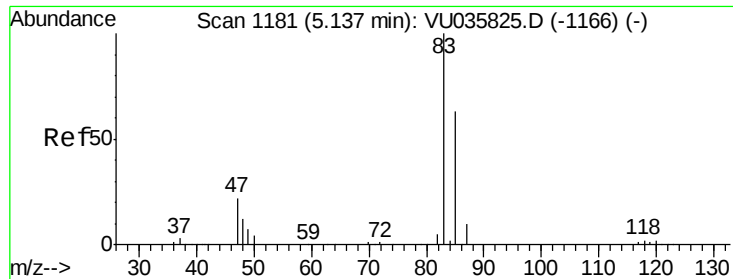
43 100

72 3281.0 12.4 37.4#



Abundance Ion 43.05 (42.75 to 43.75): VU035834.D (-975) (-)





#25

Chloroform

Concen: 0.424 ug/L

RT: 5.13 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

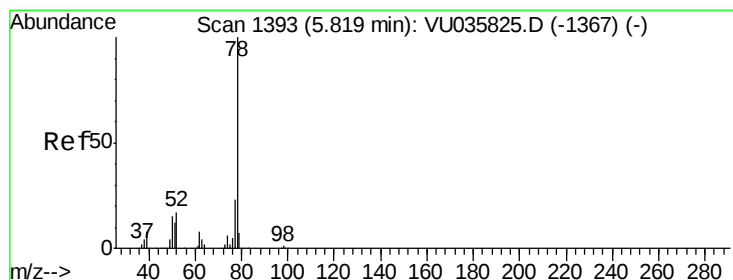
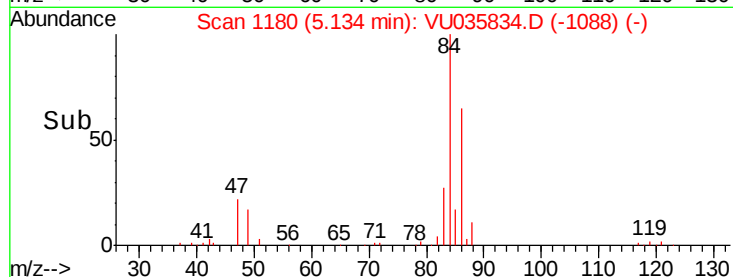
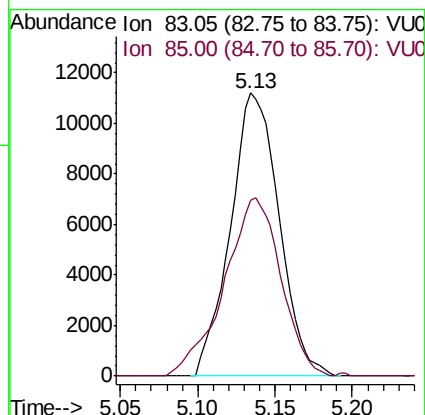
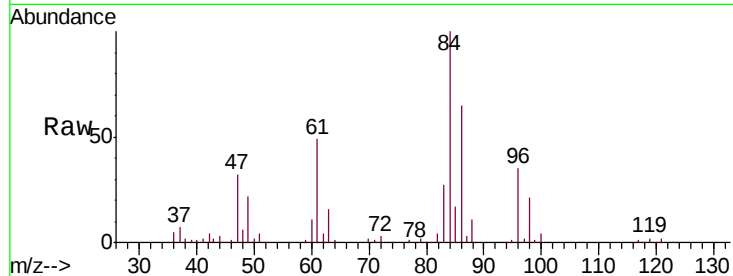
GARE6

Tgt Ion: 83 Resp: 24544

Ion Ratio Lower Upper

83 100

85 62.2 44.6 82.8



#33

Benzene

Concen: 0.141 ug/L

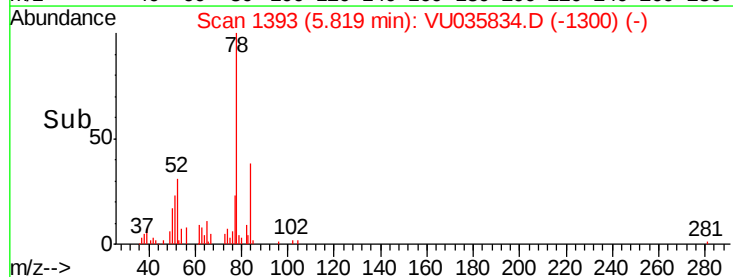
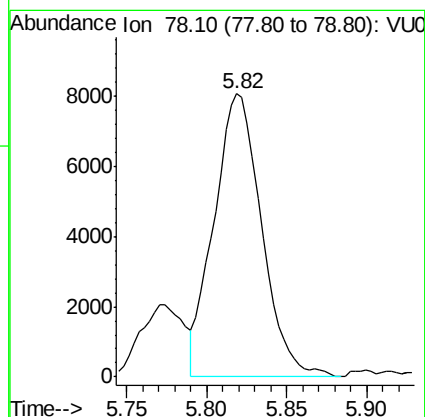
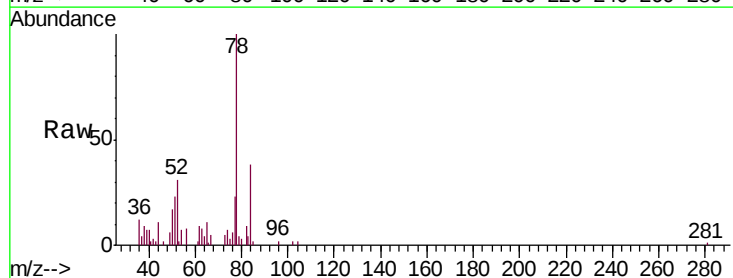
RT: 5.82 min Scan# 1393

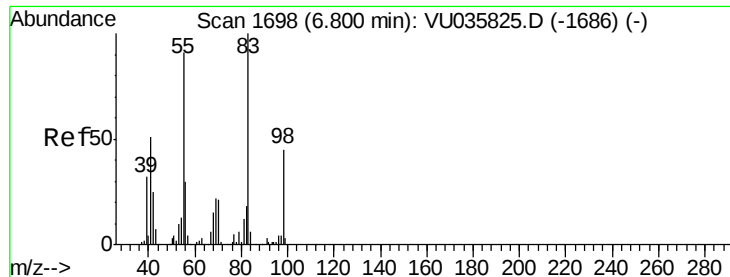
Delta R.T. -0.00 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Tgt Ion: 78 Resp: 16512





#35

Methylcyclohexane

Concen: 0.874 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampled :

GARE6

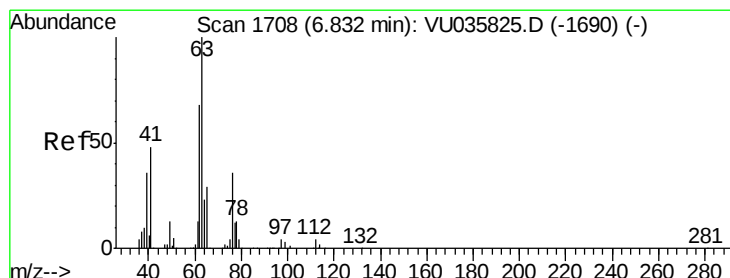
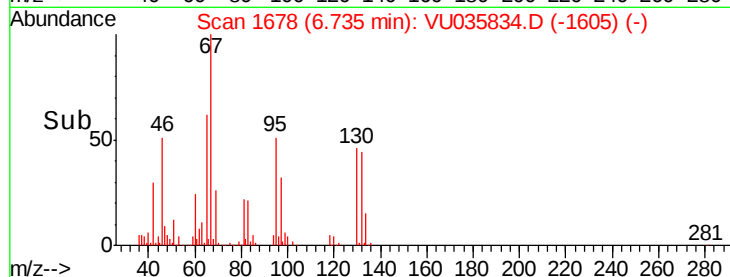
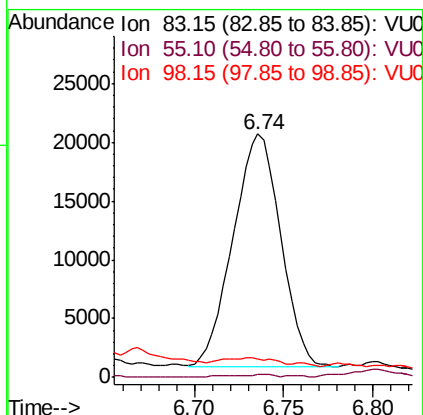
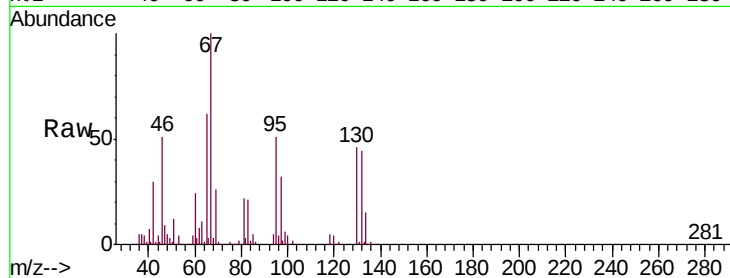
Tgt Ion: 83 Resp: 36921

Ion Ratio Lower Upper

83 100

55 0.5 72.7 109.1#

98 0.0 36.2 54.4#



#37

1,2-Dichloropropane

Concen: 0.583 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.10 min

Lab File: VU035834.D

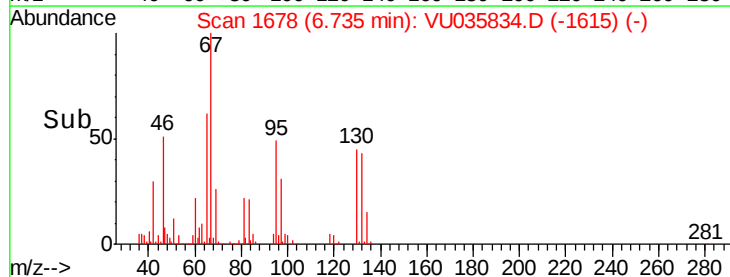
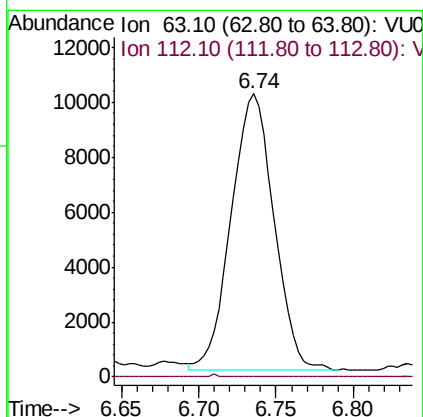
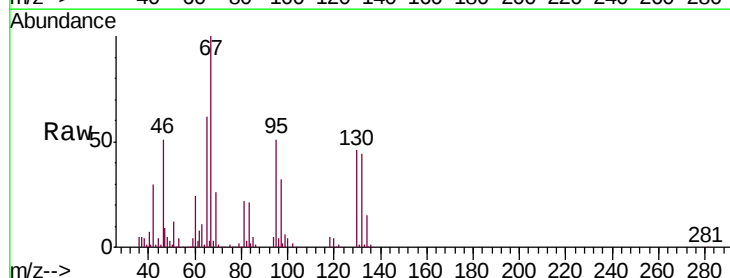
Acq: 25 Nov 2019 19:19

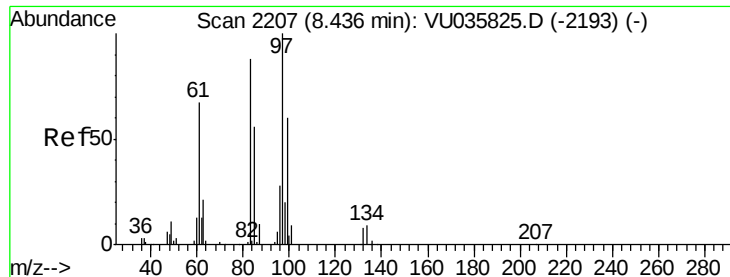
Tgt Ion: 63 Resp: 19399

Ion Ratio Lower Upper

63 100

112 0.4 2.7 4.1#

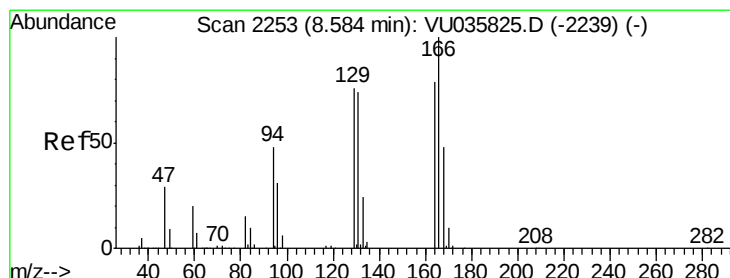
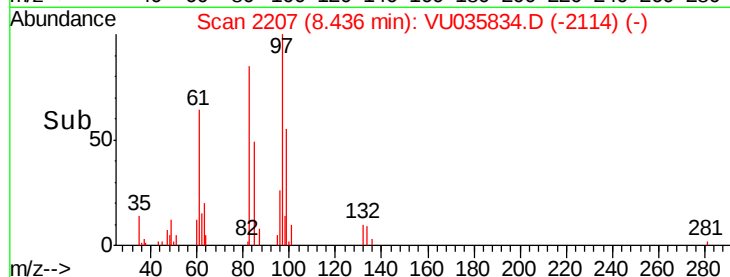
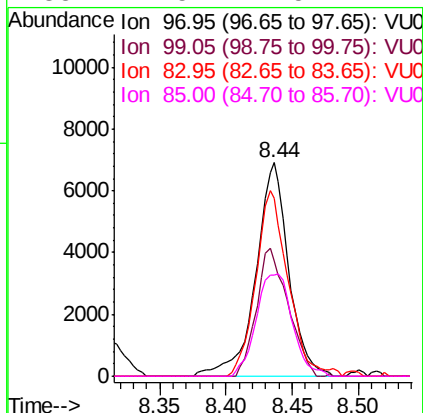
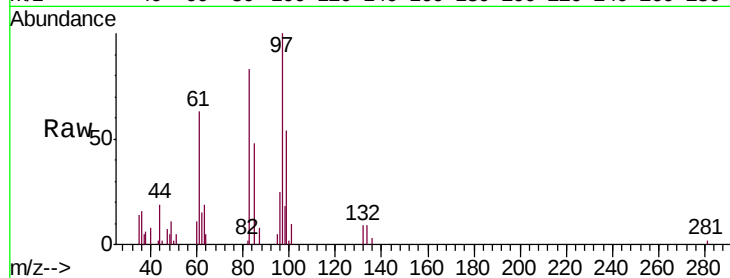




#45
 1,1,2-Trichloroethane
 Concen: 0.549 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: VU035834.D
 Acq: 25 Nov 2019 19:19

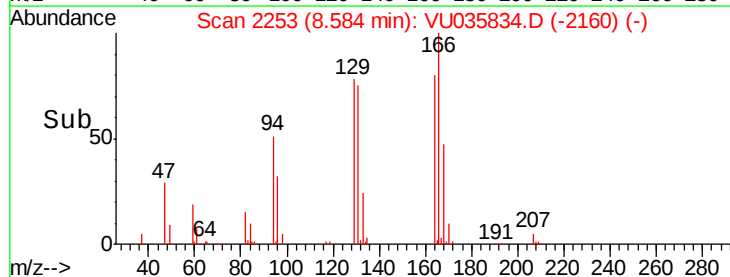
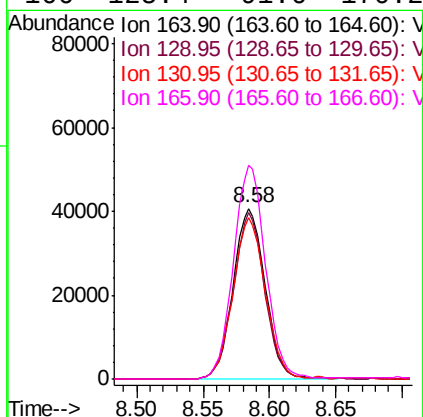
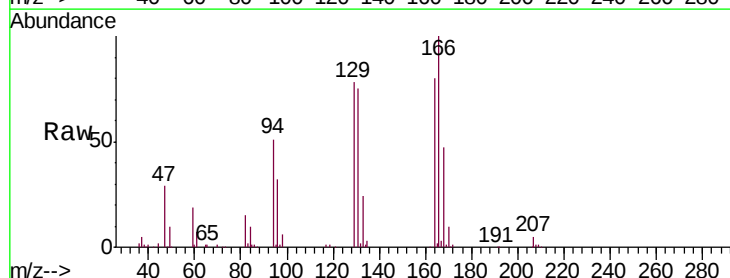
Instrument :
 MSVOA_U
 ClientSampled :
 GARE6

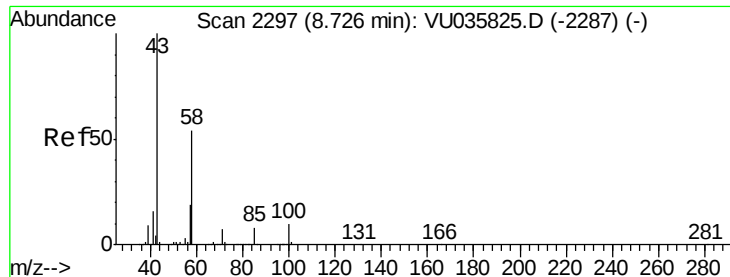
Tgt Ion:	97	Resp:	11897
Ion	Ratio	Lower	Upper
97	100		
99	53.8	44.2	82.0
83	83.1	62.2	115.6
85	47.5	41.5	77.1



#47
 Tetrachloroethene
 Concen: 3.119 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035834.D
 Acq: 25 Nov 2019 19:19

Tgt Ion:	164	Resp:	68290
Ion	Ratio	Lower	Upper
164	100		
129	97.6	68.8	127.8
131	94.4	67.3	124.9
166	125.4	91.6	170.2

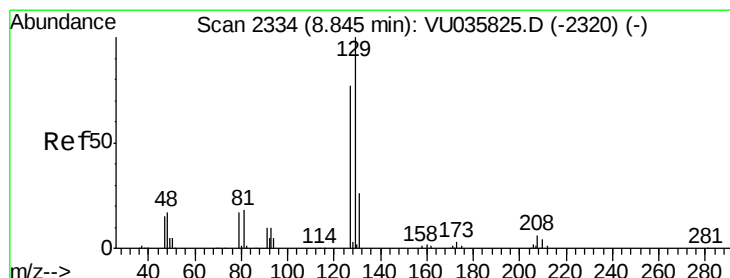
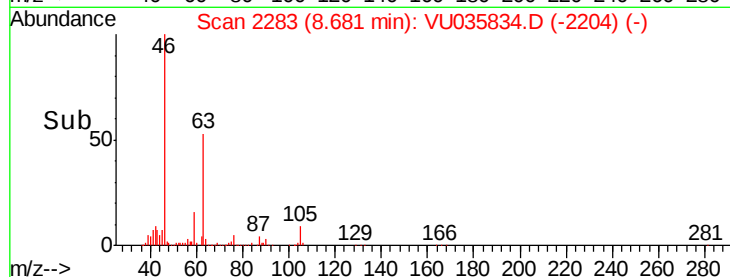
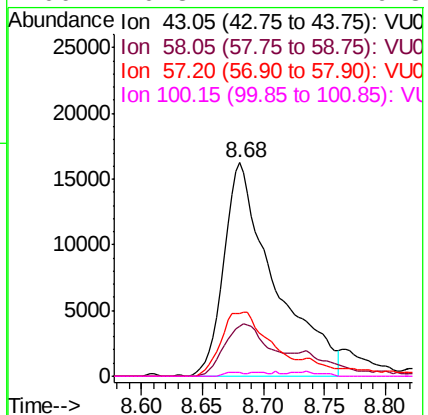
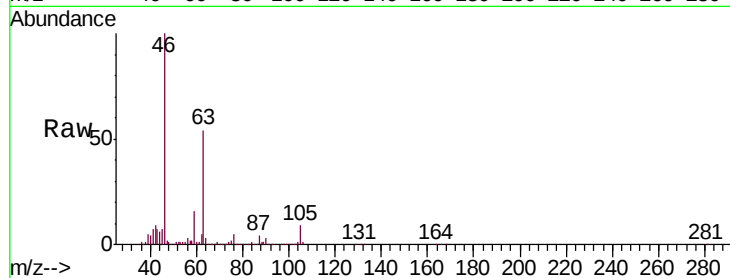




#48
2-Hexanone
Concen: 3.110 ug/L
RT: 8.68 min Scan# 2283
Delta R.T. -0.05 min
Lab File: VU035834.D
Acq: 25 Nov 2019 19:19

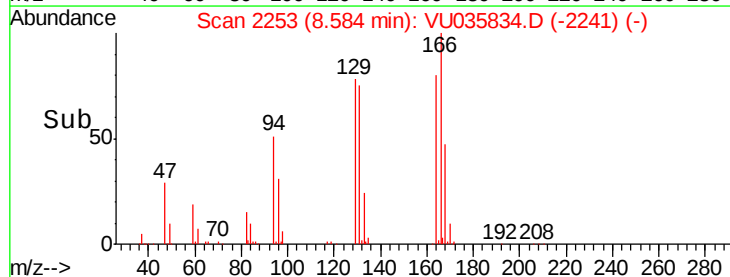
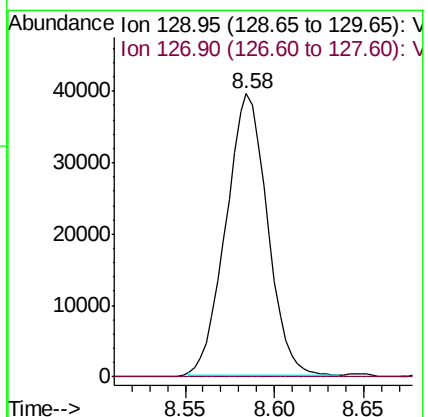
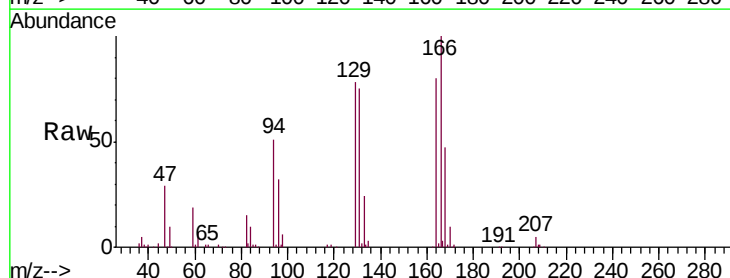
Instrument :
MSVOA_U
ClientSampleId :
GARE6

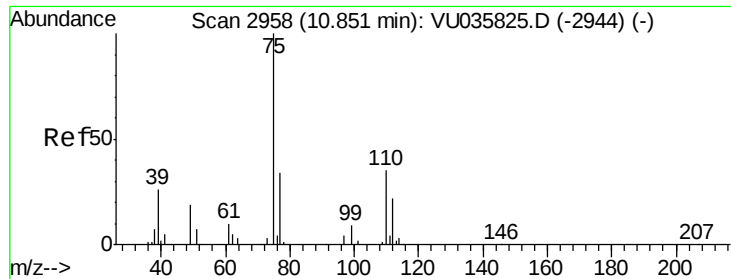
Tgt Ion: 43 Resp: 46784
Ion Ratio Lower Upper
43 100
58 23.2 39.8 59.8#
57 28.9 14.0 21.0#
100 0.8 7.2 10.8#



#49
Dibromochloromethane
Concen: 2.481 ug/L
RT: 8.58 min Scan# 2253
Delta R.T. -0.26 min
Lab File: VU035834.D
Acq: 25 Nov 2019 19:19

Tgt Ion: 129 Resp: 63490
Ion Ratio Lower Upper
129 100
127 0.0 53.1 98.5#





#59

1,2,3-Trichloropropane

Concen: 0.579 ug/L

RT: 11.84 min Scan# 3266

Delta R.T. 0.99 min

Lab File: VU035834.D

Acq: 25 Nov 2019 19:19

Instrument :

MSVOA_U

ClientSampleId :

GARE6

Tgt Ion: 75 Resp: 12536

Ion Ratio Lower Upper

75 100

77 38.8 25.4 38.2#

