

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U112519\
 Data File : VU035835.D
 Acq On : 25 Nov 2019 20:08
 Operator : JC/SP
 Sample : K5992-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GARE7

Manual Integrations
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 11/27/2019 3:25:33 PM

Quant Time: Dec 06 00:23:14 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	262253	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	287663	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	93743	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	159595	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.93	69	129771	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.61	63	534350	8.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	167.80%#
20) 2-Butanone-d5	4.70	46	446403	56.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.60%
24) Chloroform-d	5.11	84	257120	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.75	65	152216	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.77	84	517047	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.74	67	189319	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.40%
41) Toluene-d8	7.93	98	438894	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	8.21	79	68931	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	8.68	63	343303	59.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.72%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	150438	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	108666	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.54	50	6907	0.158	ug/L	90
5) Vinyl chloride	1.62	62	3574020	81.614	ug/L	99
12) 1,1-Dichloroethene	2.61	96	601906	22.058	ug/L #	74
13) Acetone	2.67	43	8736	1.255	ug/L	92
18) trans-1,2-Dichloroethene	3.39	96	133131	4.955	ug/L	98
19) 1,1-Dichloroethane	3.92	63	12058	0.200	ug/L	95
22) cis-1,2-Dichloroethene	4.72	96	15099678	504.293	ug/L	86
25) Chloroform	5.14	83	45132	0.768	ug/L	100
27) 1,2-Dichloroethane	5.84	62	6998	0.181	ug/L	100
30) Cyclohexane	5.43	56	14255	0.314	ug/L	98
33) Benzene	5.82	78	59920	0.499	ug/L	100
34) Trichloroethene	6.57	95	39734250m	1349.667	ug/L	
45) 1,1,2-Trichloroethane	8.43	97	25382	1.144	ug/L	95
47) Tetrachloroethene	8.58	164	138935	6.202	ug/L	98

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

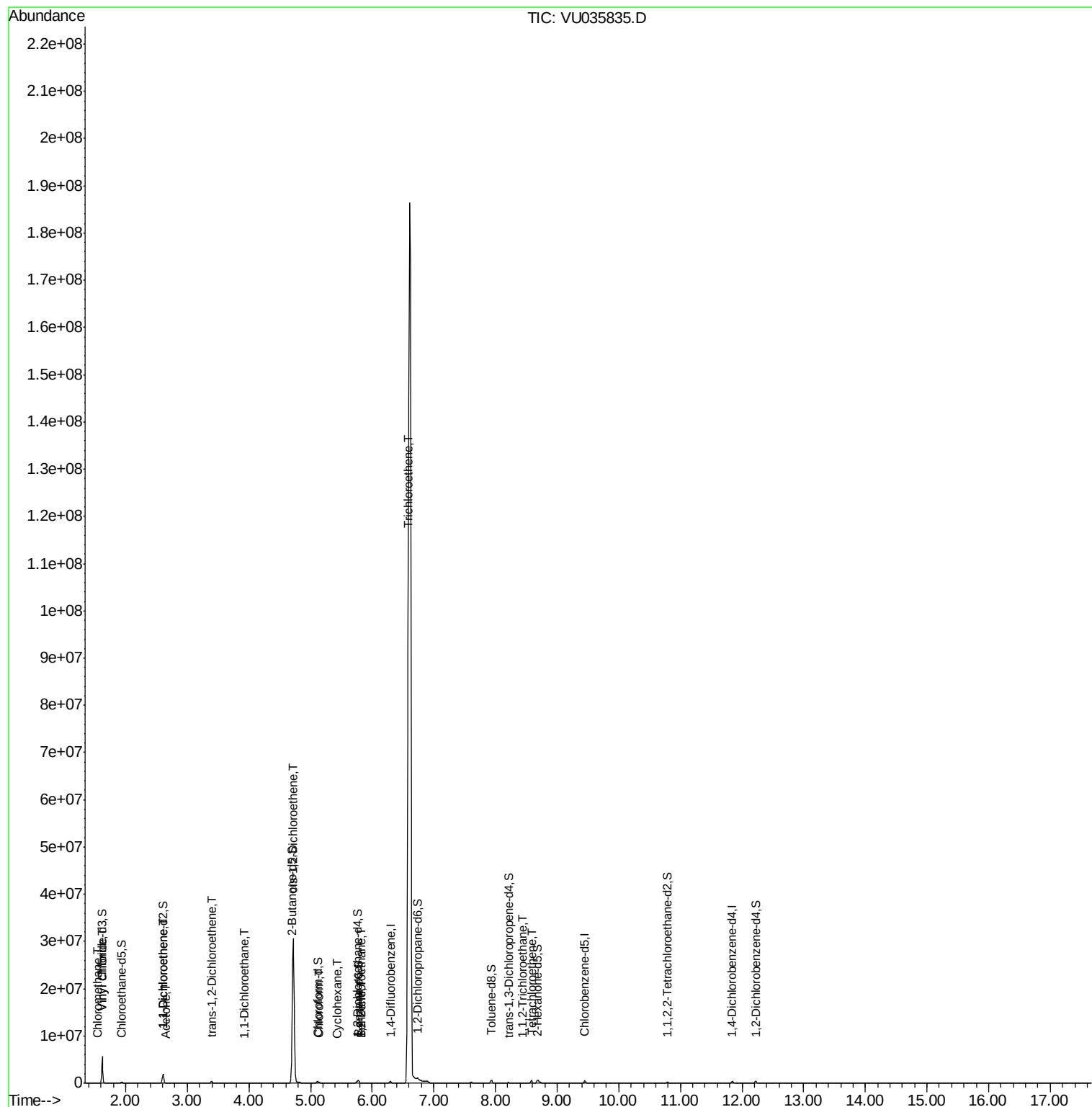
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112519\
Data File : VU035835.D
Acq On : 25 Nov 2019 20:08
Operator : JC/SP
Sample : K5992-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

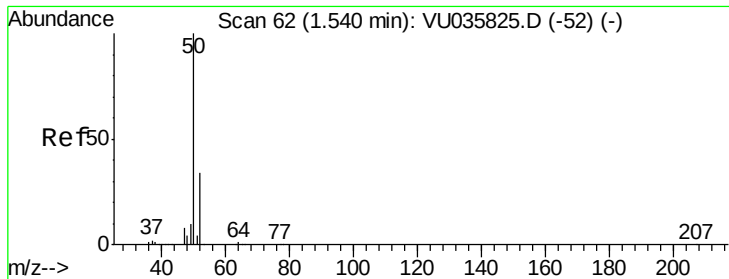
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Dec 06 00:23:14 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 01:03:35 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.158 ug/L

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Instrument :

MSVOA_U

ClientSampleId :

GARE7

Tgt Ion: 50 Resp: 6907

Ion Ratio Lower Upper

50 100

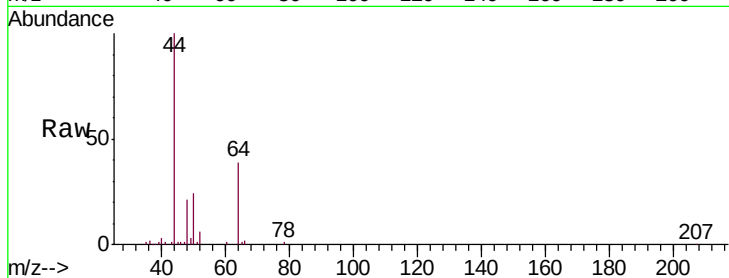
52 26.9 22.7 42.3

Manual Integrations

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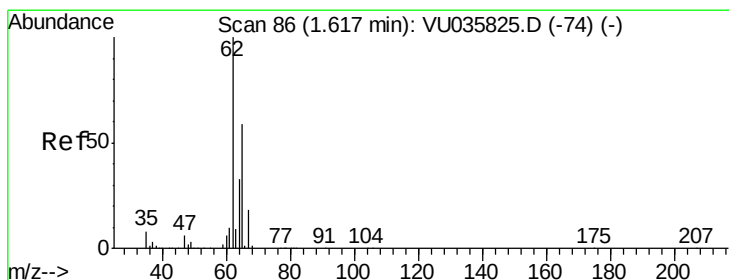
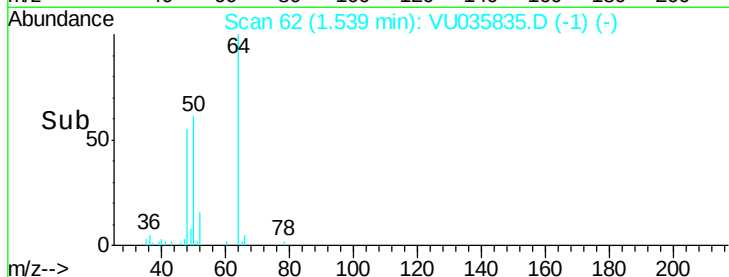
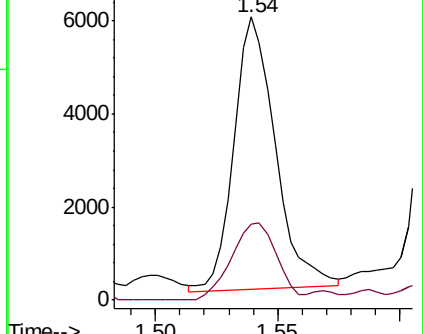
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Abundance Ion 50.05 (49.75 to 50.75): VU035825.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035825.D (-52) (-)



#5

Vinyl chloride

Concen: 81.614 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035835.D

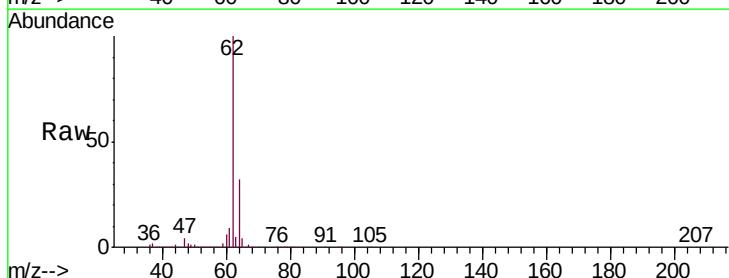
Acq: 25 Nov 2019 20:08

Tgt Ion: 62 Resp: 3574020

Ion Ratio Lower Upper

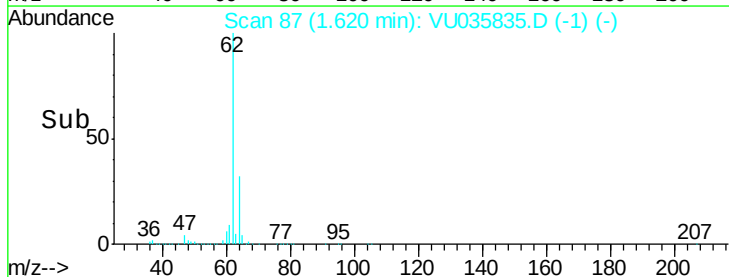
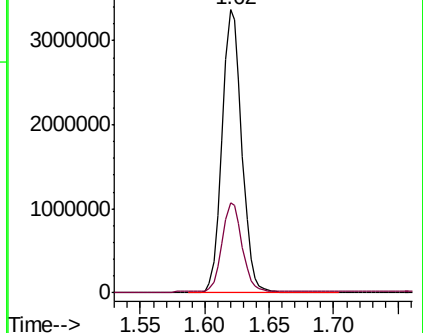
62 100

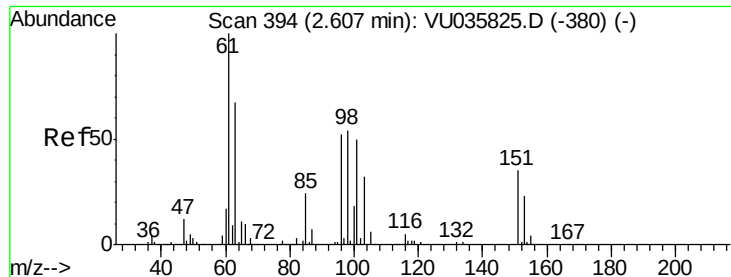
64 31.8 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035825.D (-74) (-)

Ion 64.10 (63.80 to 64.80): VU035825.D (-74) (-)





#12

1,1-Dichloroethene

Concen: 22.058 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Instrument :

MSVOA_U

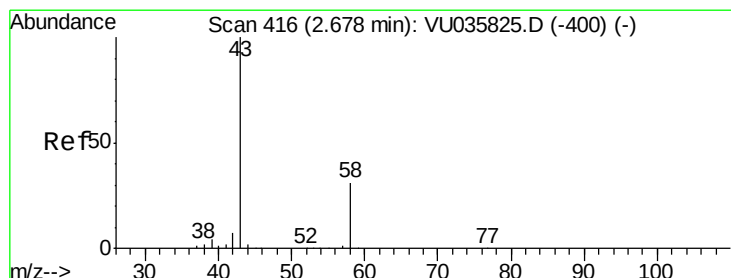
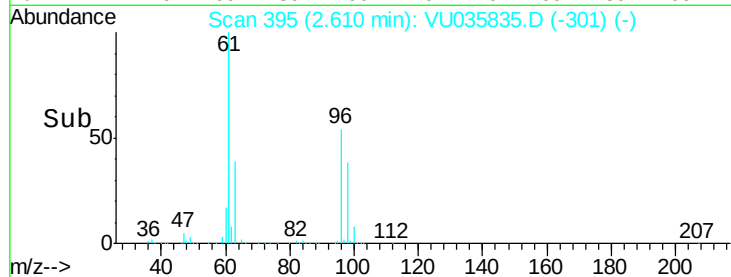
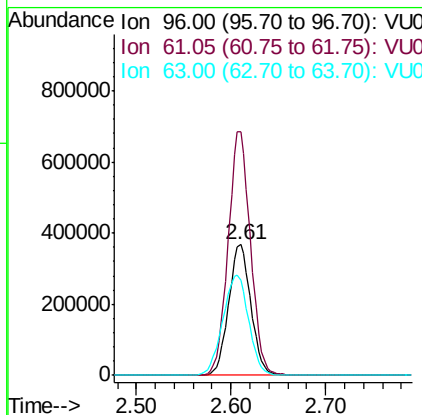
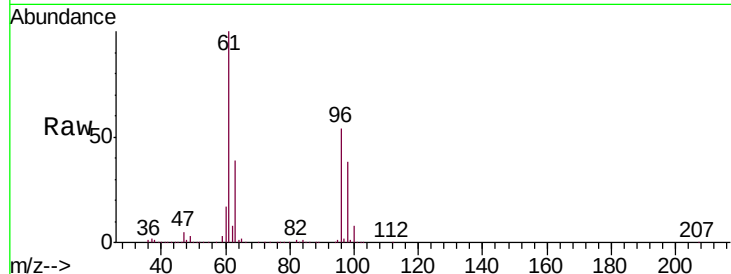
ClientSampleId :

GARE7

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	139.3	258.7
63	72.7	93.7	174.1

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#13

Acetone

Concen: 1.255 ug/L

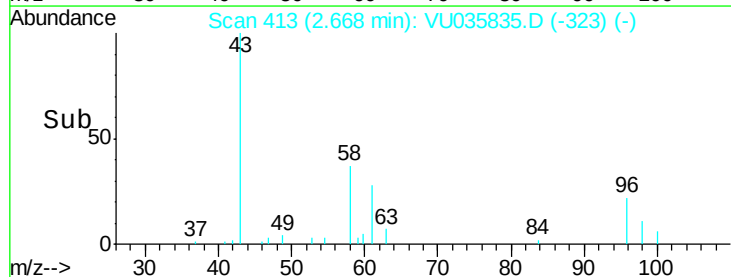
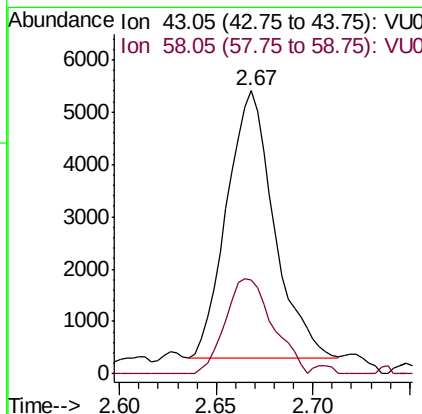
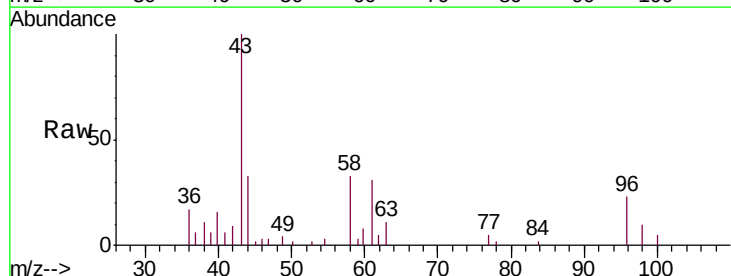
RT: 2.67 min Scan# 413

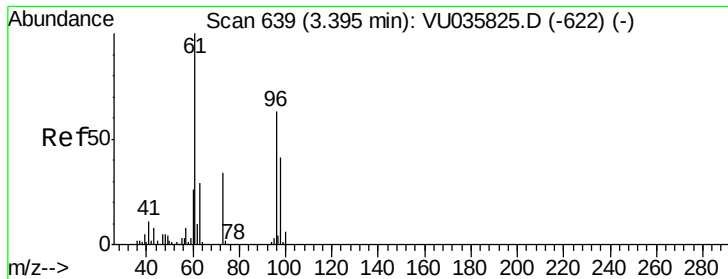
Delta R.T. -0.01 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.2	0.0	61.2





#18

trans-1,2-Dichloroethene

Concen: 4.955 ug/L

RT: 3.39 min Scan# 639

Delta R.T. -0.00 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Instrument :

MSVOA_U

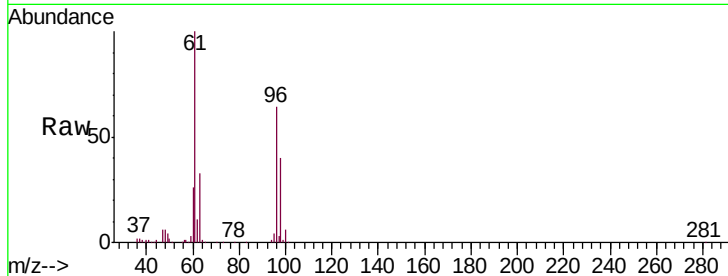
ClientSampled :

GARE7

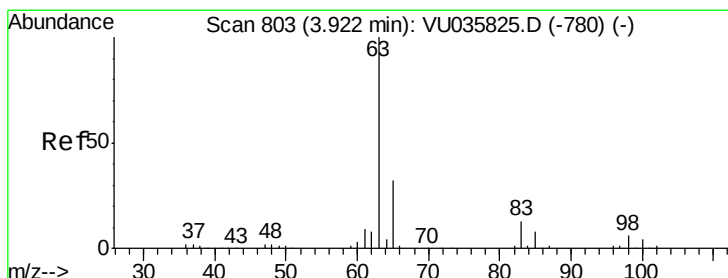
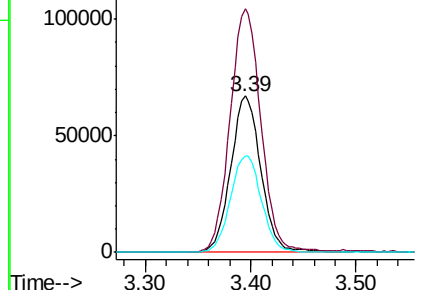
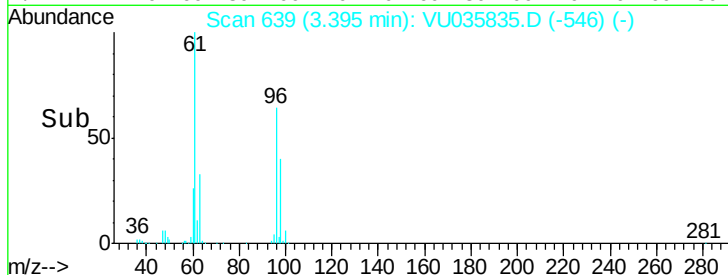
Tgt Ion:	96	Resp:	133131
Ion	Ratio	Lower	Upper
96	100		
61	156.0	111.1	206.3
98	61.7	43.1	80.1

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Abundance Ion 96.00 (95.70 to 96.70): VU035835.D (-546) (-)



#19

1,1-Dichloroethane

Concen: 0.200 ug/L

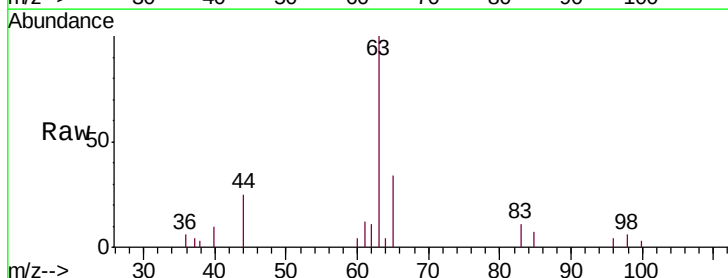
RT: 3.92 min Scan# 803

Delta R.T. -0.00 min

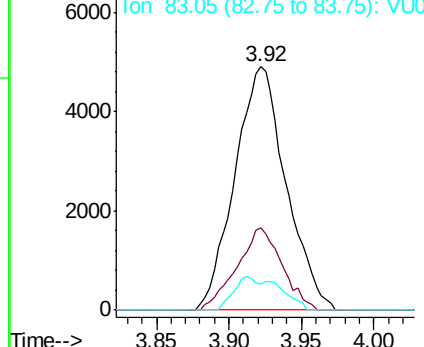
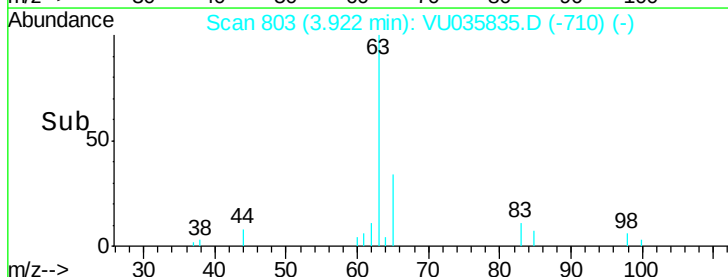
Lab File: VU035835.D

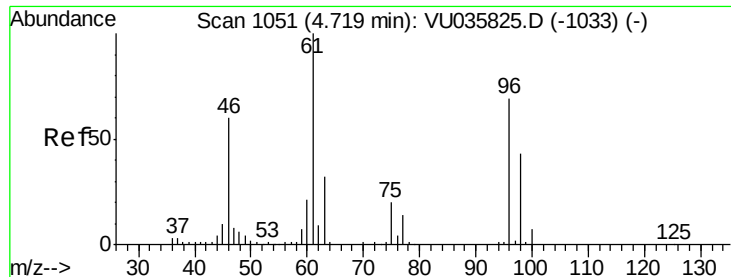
Acq: 25 Nov 2019 20:08

Tgt Ion:	63	Resp:	12058
Ion	Ratio	Lower	Upper
63	100		
65	33.8	21.8	40.4
83	10.6	8.6	16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035835.D (-710) (-)





#22

cis-1,2-Dichloroethene

Concen: 504.293 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Instrument :

MSVOA_U

ClientSampled :

GARE7

Tgt Ion: 96 Resp:15099678

Ion Ratio Lower Upper

96 100

61 123.4 98.1 182.1

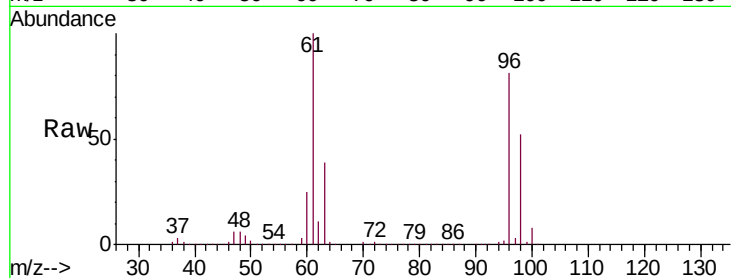
68 0.0 0.0 0.0

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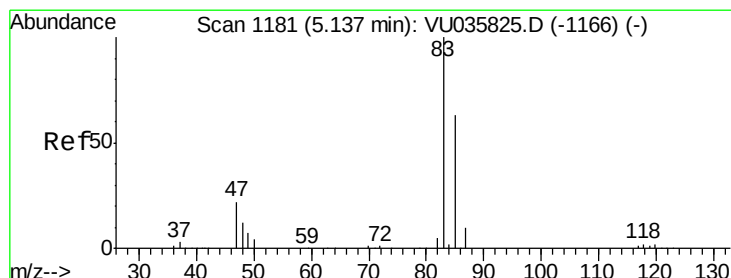
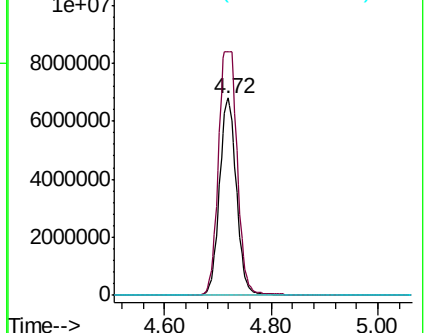
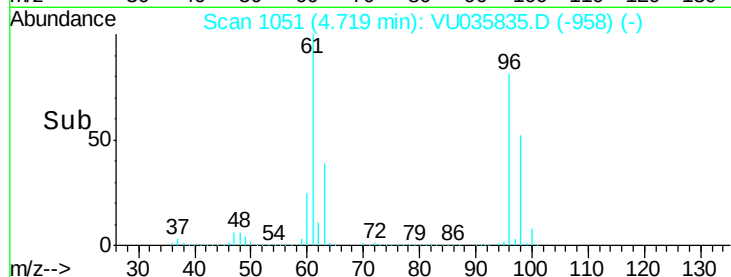
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Abundance Ion 96.00 (95.70 to 96.70): VU035835.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU035835.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU035835.D (-958) (-)



#25

Chloroform

Concen: 0.768 ug/L

RT: 5.14 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU035835.D

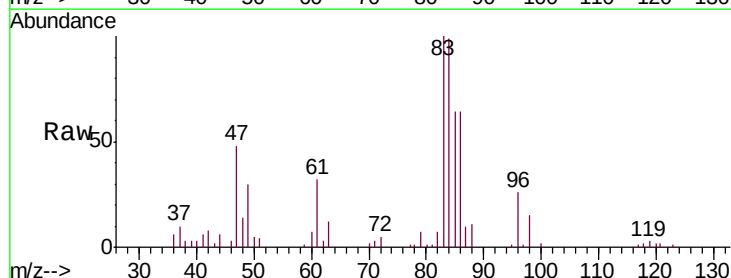
Acq: 25 Nov 2019 20:08

Tgt Ion: 83 Resp: 45132

Ion Ratio Lower Upper

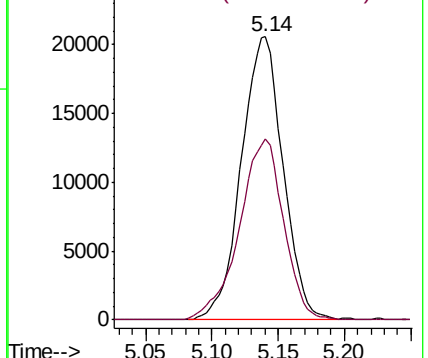
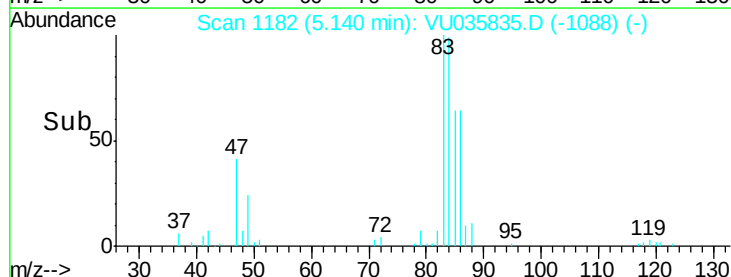
83 100

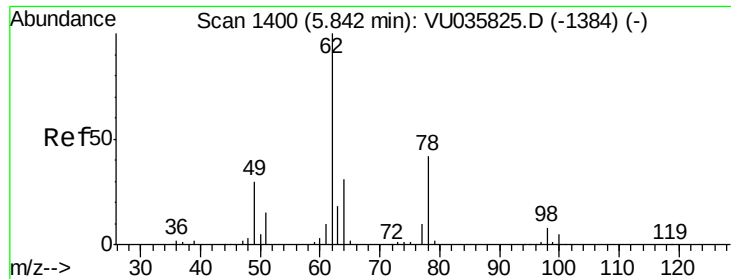
85 63.8 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VU035835.D (-1088) (-)

Ion 85.00 (84.70 to 85.70): VU035835.D (-1088) (-)





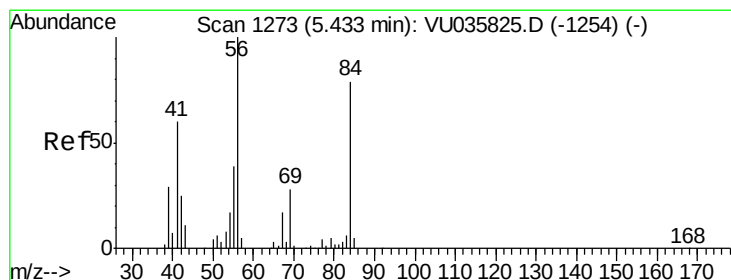
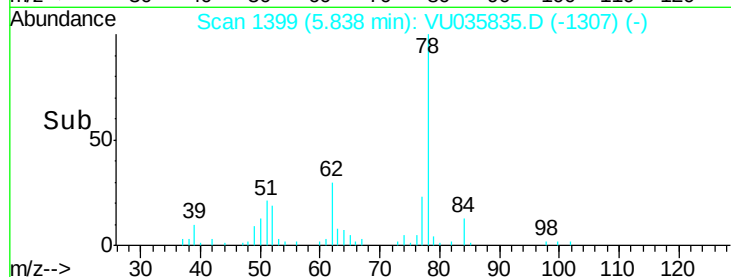
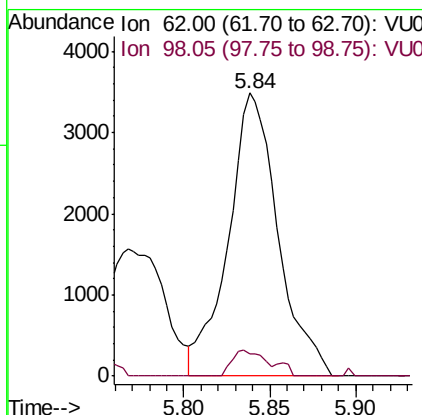
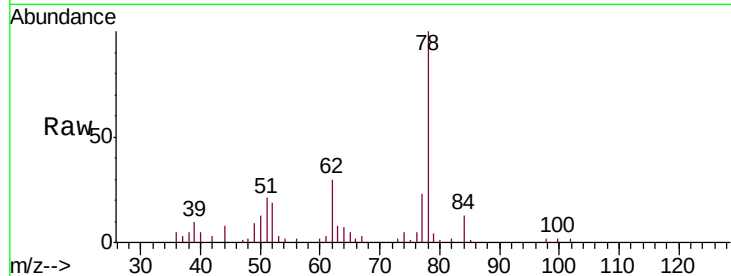
#27
 1,2-Dichloroethane
 Concen: 0.181 ug/L
 RT: 5.84 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: VU035835.D
 Acq: 25 Nov 2019 20:08

Instrument :
 MSVOA_U
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 GARE7

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.2	9.4

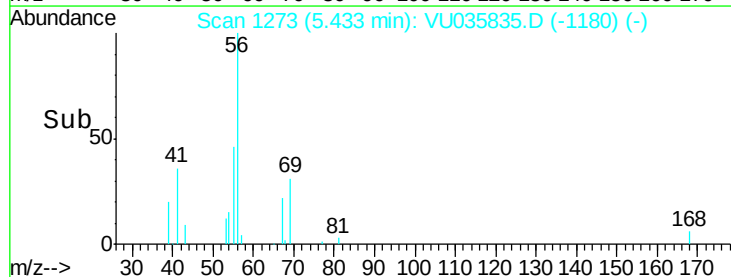
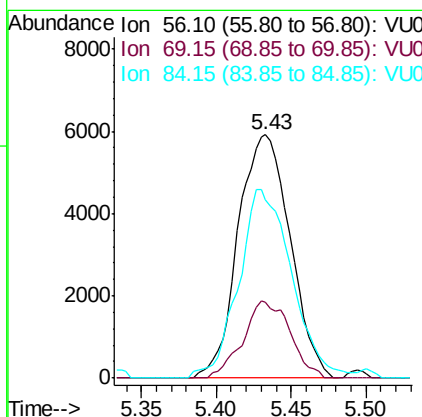
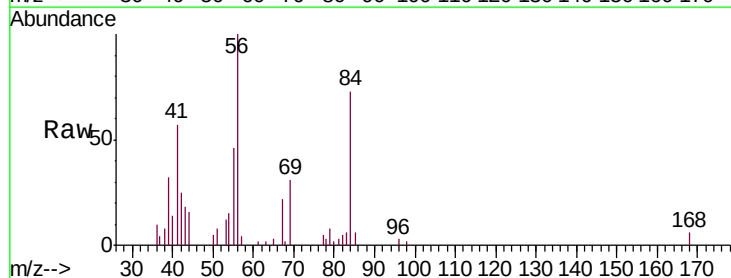
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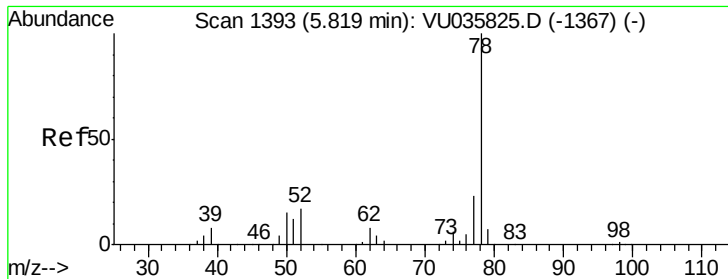
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#30
 Cyclohexane
 Concen: 0.314 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VU035835.D
 Acq: 25 Nov 2019 20:08

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.6	24.0	36.0
84	79.3	62.1	93.1





#33

Benzene

Concen: 0.499 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Instrument :

MSVOA_U

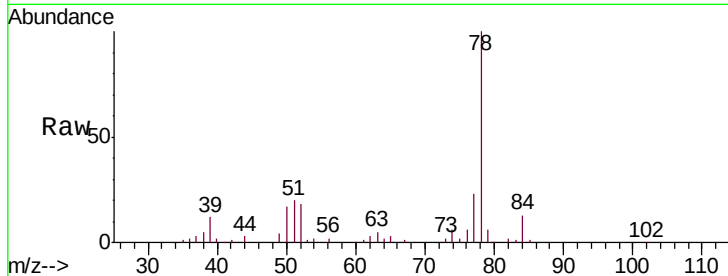
ClientSampleId :

GARE7

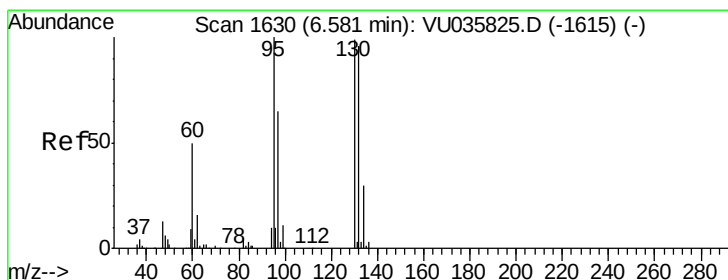
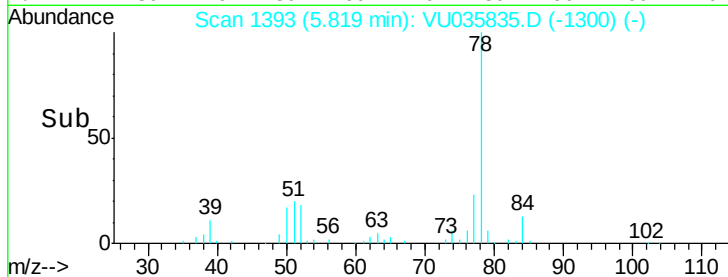
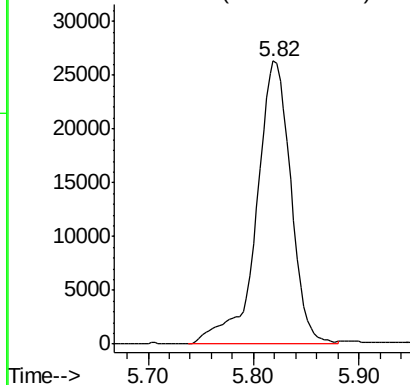
Tgt Ion: 78 Resp: 59920

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Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 1349.667 ug/L m

RT: 6.57 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VU035835.D

Acq: 25 Nov 2019 20:08

Tgt Ion: 95 Resp: 39734250

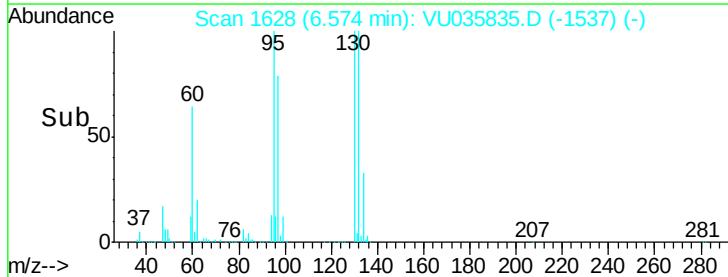
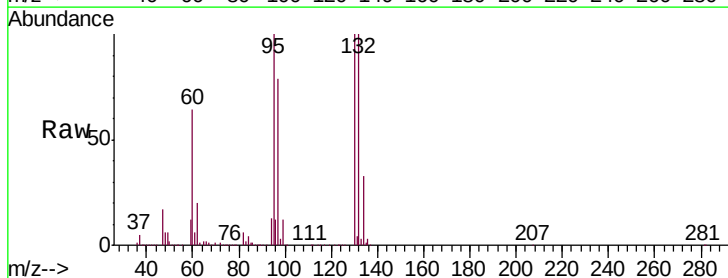
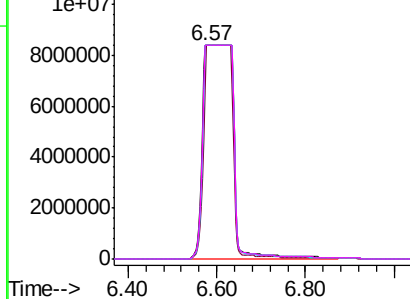
Ion	Ratio	Lower	Upper
95	100		
97	79.0	45.1	83.9
132	100.0	61.9	114.9
130	100.0	66.3	123.1

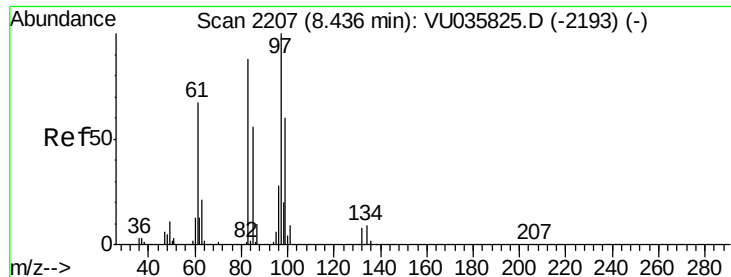
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0





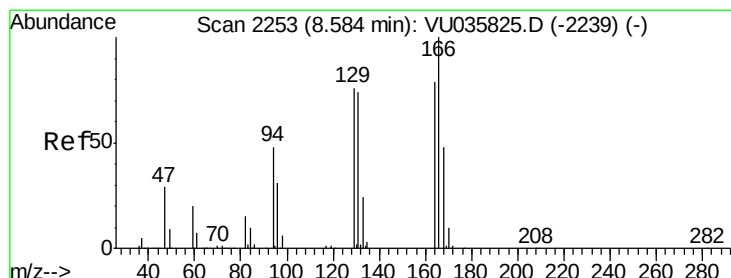
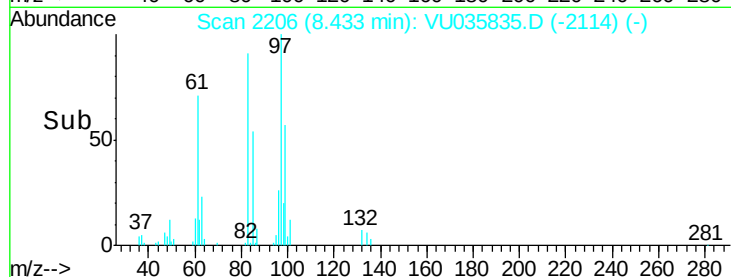
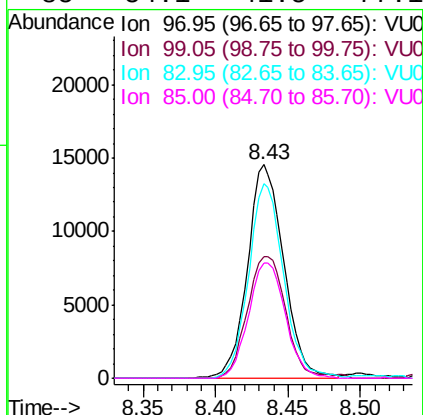
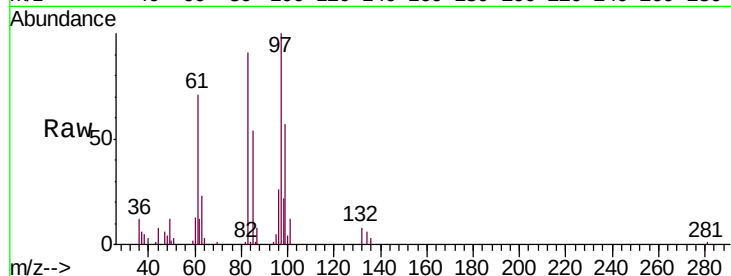
#45
 1,1,2-Trichloroethane
 Concen: 1.144 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035835.D
 Acq: 25 Nov 2019 20:08

Instrument :
 MSVOA_U
 ClientSampleId :
 GARE7

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.1	44.2	82.0
83	91.1	62.2	115.6
85	54.1	41.5	77.1

Manual Integrations
 APPROVED

apatel
 11/27/2019 3:25:33 PM



#47
 Tetrachloroethene
 Concen: 6.202 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035835.D
 Acq: 25 Nov 2019 20:08

Tgt Ion	Ratio	Lower	Upper
164	100		
129	98.0	68.8	127.8
131	95.6	67.3	124.9
166	127.1	91.6	170.2

