

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\
 Data File : VU035448.D
 Acq On : 24 Oct 2019 09:36
 Operator : JC/SP
 Sample : K5488-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 24 14:22:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 24 14:19:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	195119	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	202925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	61340	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	51457	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.93	69	53302	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	2.60	63	71999	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.70	46	225309	65.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	131.80%#
24) Chloroform-d	5.12	84	113996	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.75	65	65544	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
32) Benzene-d6	5.77	84	202481	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.74	67	76362	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.93	98	154543	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
43) trans-1,3-Dichloropropene-	8.22	79	25588	3.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.60%
46) 2-Hexanone-d5	8.69	63	128298	40.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.36%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	71118	5.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	51515	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

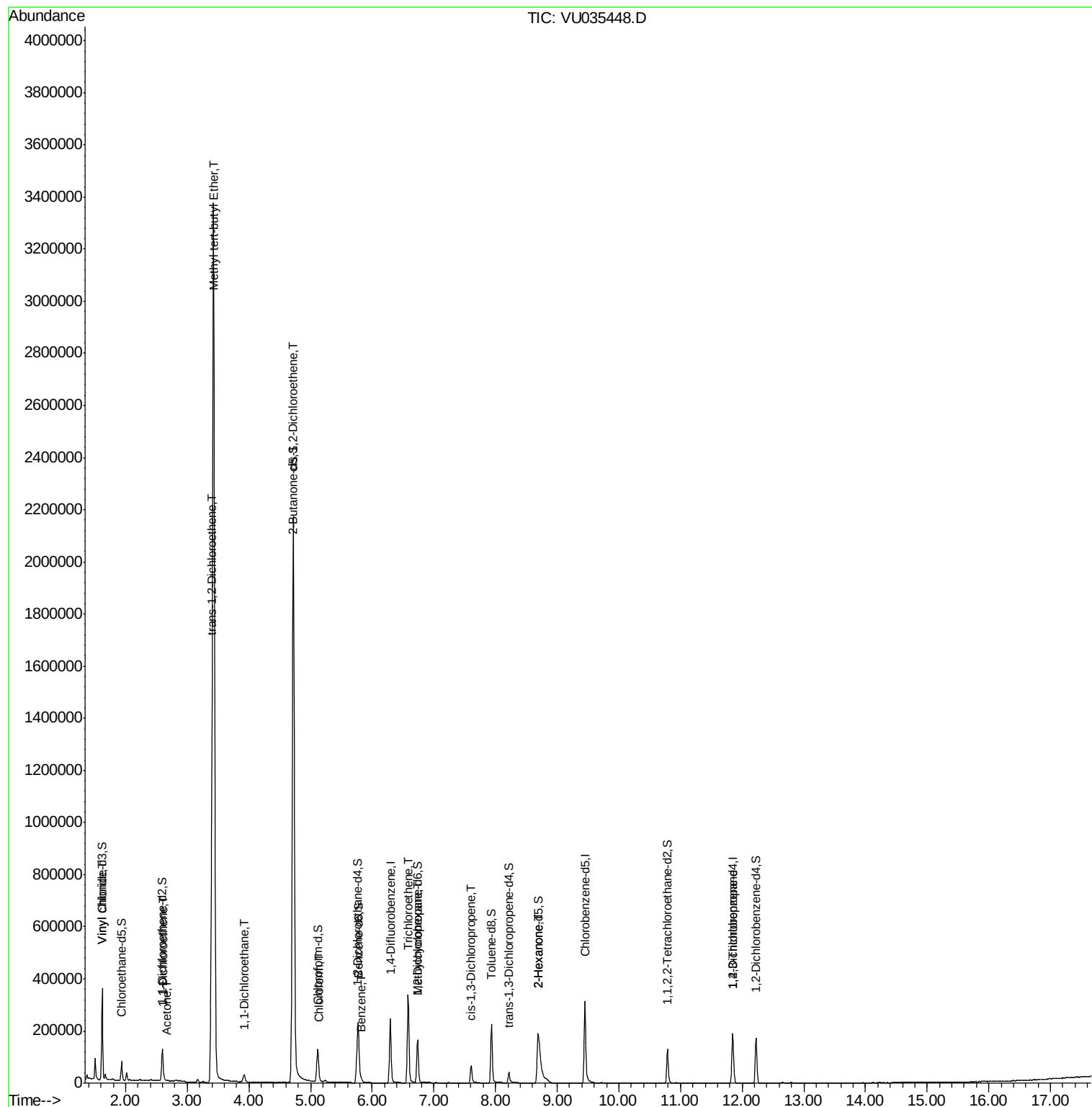
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	127326	7.526	ug/L	97
12) 1,1-Dichloroethene	2.61	96	2606	0.208	ug/L #	1
13) Acetone	2.67	43	2525	1.062	ug/L	92
17) Methyl tert-butyl Ether	3.43	73	3694879	109.517	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	264157	19.527	ug/L	93
19) 1,1-Dichloroethane	3.92	63	32655	1.335	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	1099135	73.509	ug/L	97
25) Chloroform	5.14	83	4517	0.168	ug/L	95
33) Benzene	5.82	78	15642	0.262	ug/L	100
34) Trichloroethene	6.58	95	116830	7.278	ug/L	96
35) Methylcyclohexane	6.74	83	17857	0.666	ug/L #	19
39) cis-1,3-Dichloropropene	7.60	75	1828	0.072	ug/L #	22
48) 2-Hexanone	8.69	43	7483	1.043	ug/L #	80
59) 1,2,3-Trichloropropane	11.84	75	8078	0.765	ug/L	95

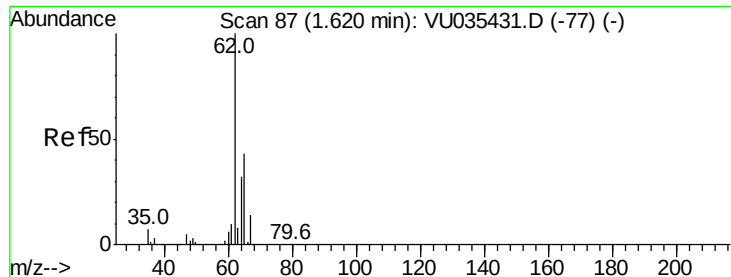
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 24 14:19:48 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.526 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

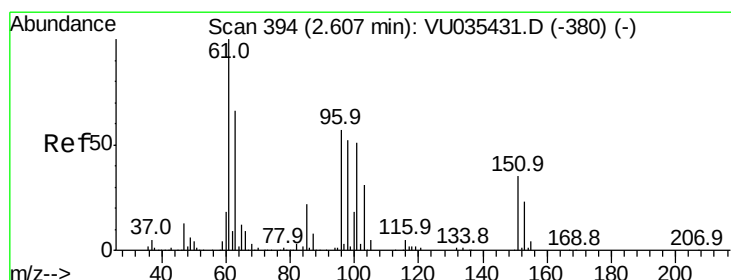
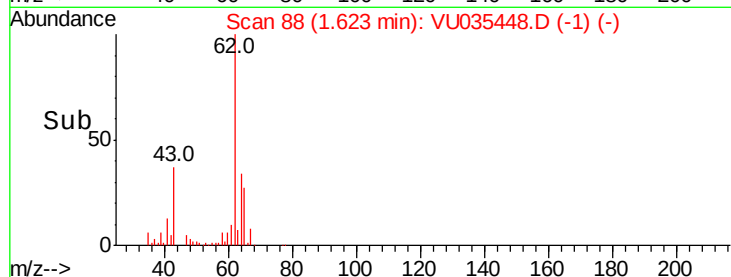
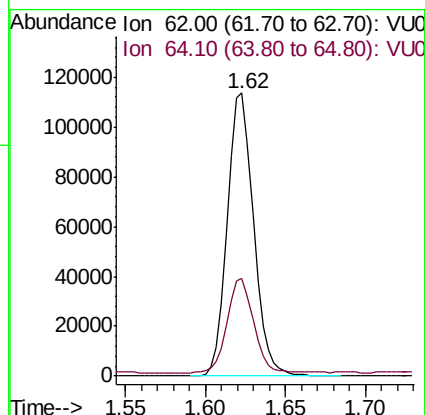
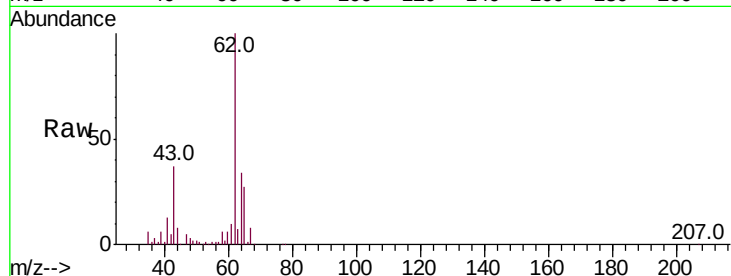
ClientSampleId :

Tot Ion: 62 Resp: 127326

Ion Ratio Lower Upper

62 100

64 34.4 22.9 42.5



#12

1,1-Dichloroethene

Concen: 0.208 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

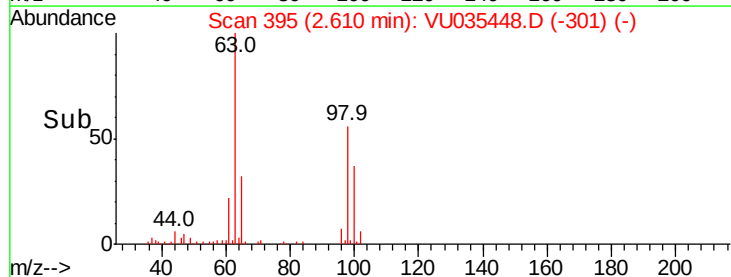
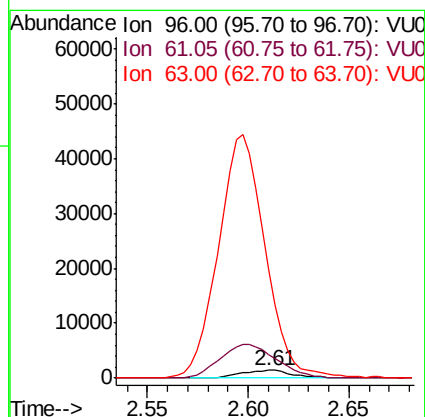
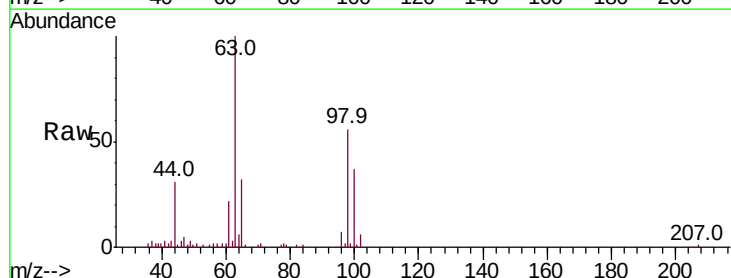
Tgt Ion: 96 Resp: 2606

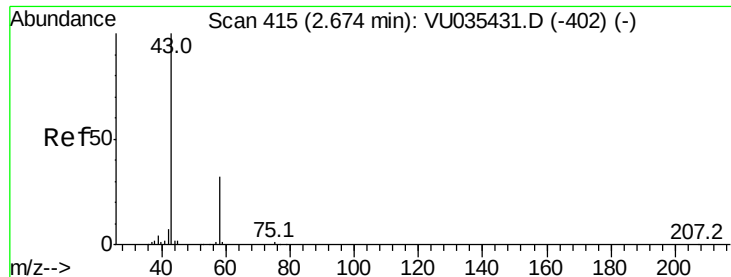
Ion Ratio Lower Upper

96 100

61 310.7 120.6 224.0#

63 1418.1 86.8 161.2#





#13

Acetone

Concen: 1.062 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

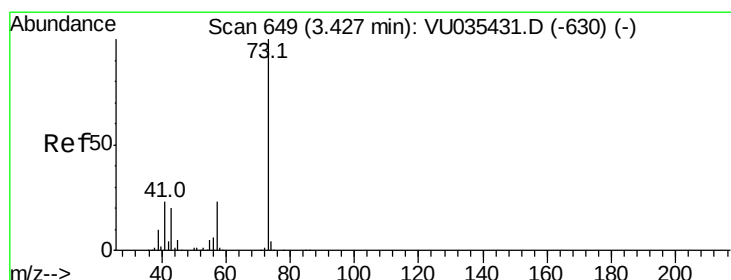
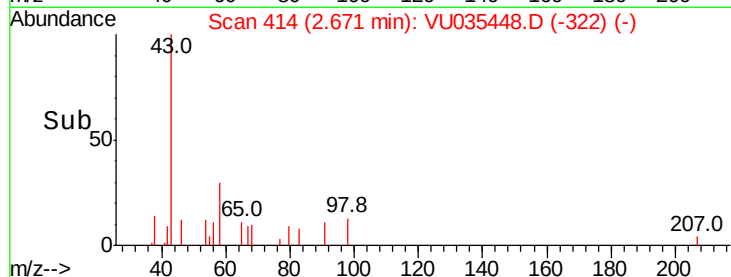
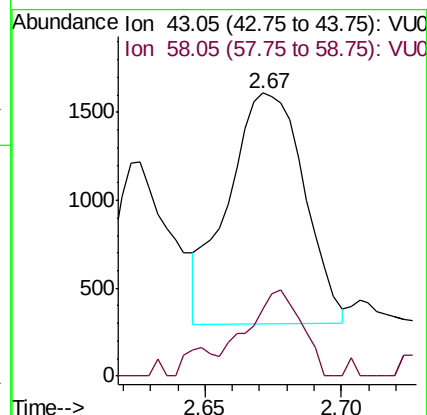
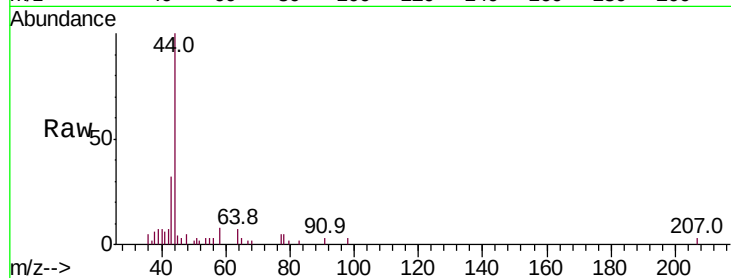
ClientSampleId :

Tot Ion: 43 Resp: 2525

Ion Ratio Lower Upper

43 100

58 26.5 0.0 61.8



#17

Methyl tert-butyl Ether

Concen: 109.517 ug/L

RT: 3.43 min Scan# 649

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

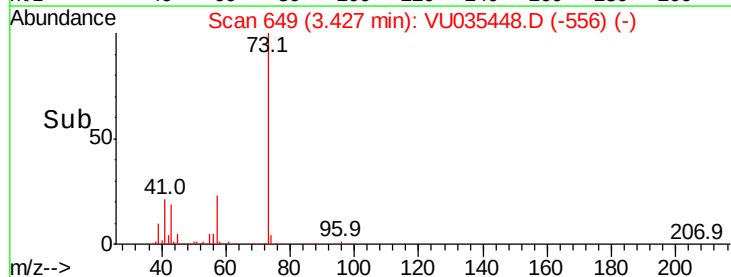
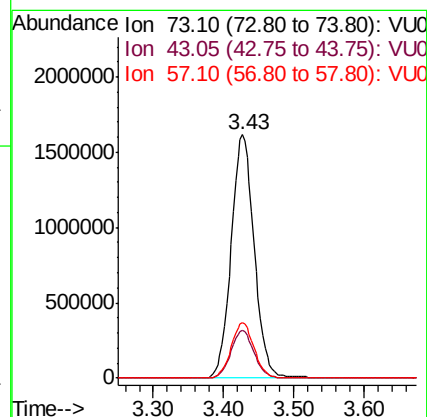
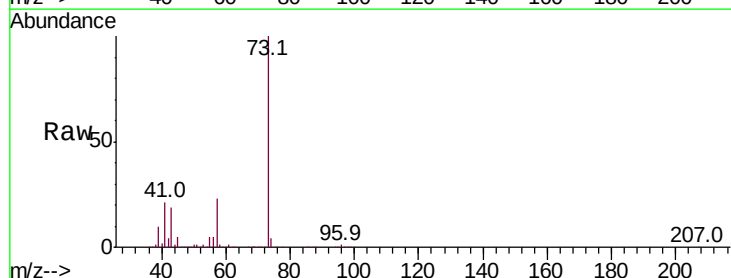
Tgt Ion: 73 Resp: 3694879

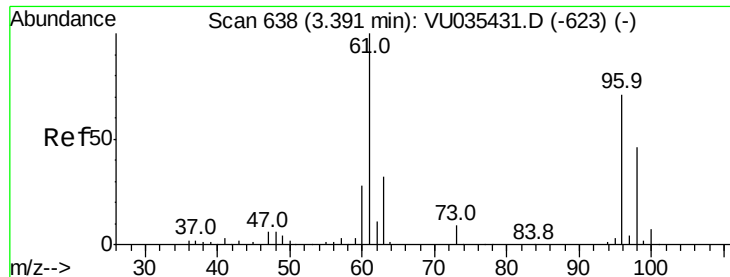
Ion Ratio Lower Upper

73 100

43 19.7 16.0 24.0

57 22.8 17.4 26.2





#18

trans-1,2-Dichloroethene

Concen: 19.527 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :

MSVOA_U

ClientSampleId :

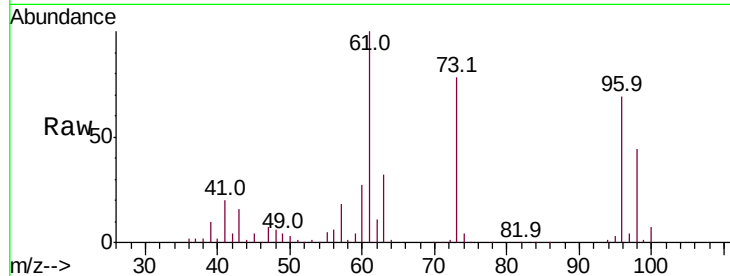
Tot Ion: 96 Resp: 264157

Ion Ratio Lower Upper

96 100

61 144.1 93.0 172.6

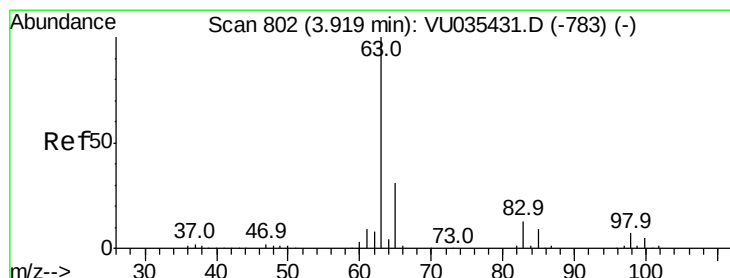
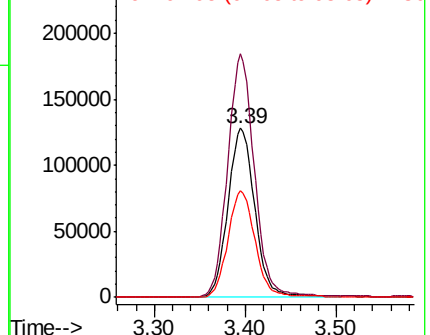
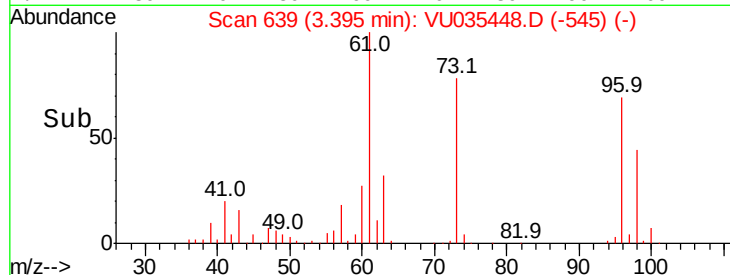
98 62.8 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU035448.D (-545) (-)

Ion 61.05 (60.75 to 61.75): VU035448.D (-545) (-)

Ion 97.95 (97.65 to 98.65): VU035448.D (-545) (-)



#19

1,1-Dichloroethane

Concen: 1.335 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

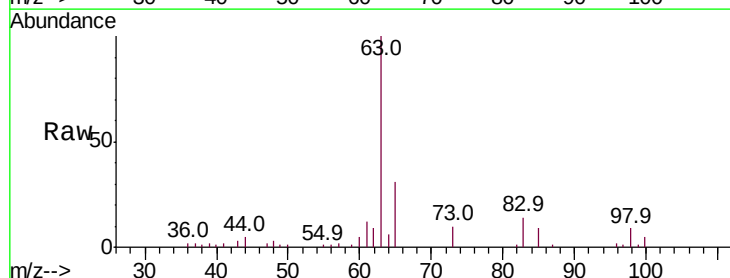
Tgt Ion: 63 Resp: 32655

Ion Ratio Lower Upper

63 100

65 30.5 22.4 41.6

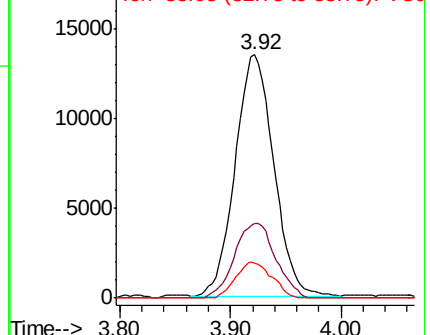
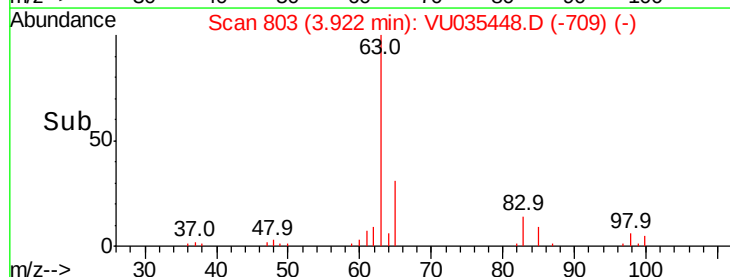
83 14.2 9.3 17.3

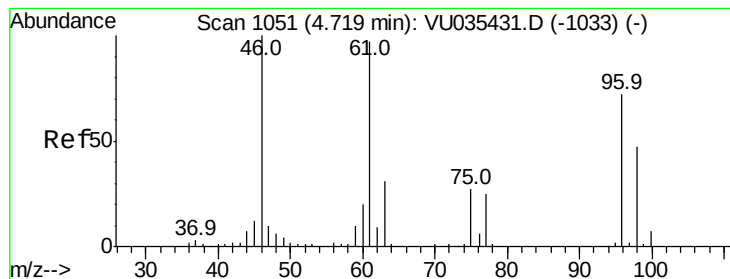


Abundance Ion 63.10 (62.80 to 63.80): VU035448.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU035448.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU035448.D (-709) (-)





#22

cis-1,2-Dichloroethene

Concen: 73.509 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Instrument :
MSVOA_U
ClientSampleId :

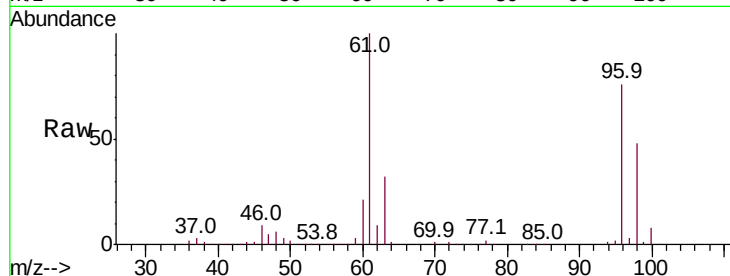
Tot Ion: 96 Resp: 1099135

Ion Ratio Lower Upper

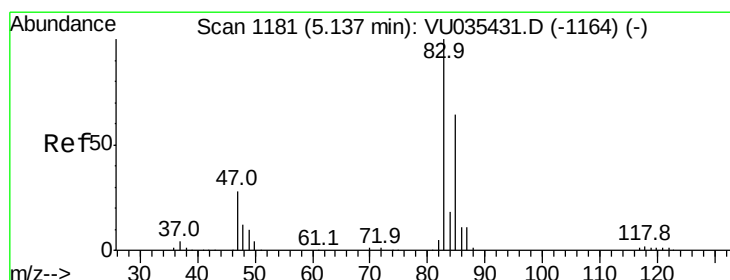
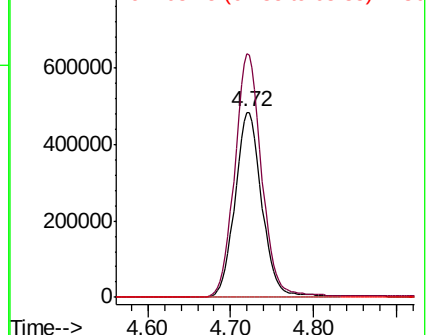
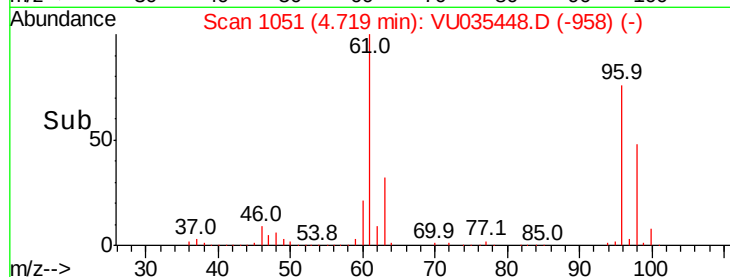
96 100

61 131.6 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



#25

Chloroform

Concen: 0.168 ug/L

RT: 5.14 min Scan# 1183

Delta R.T. 0.01 min

Lab File: VU035448.D

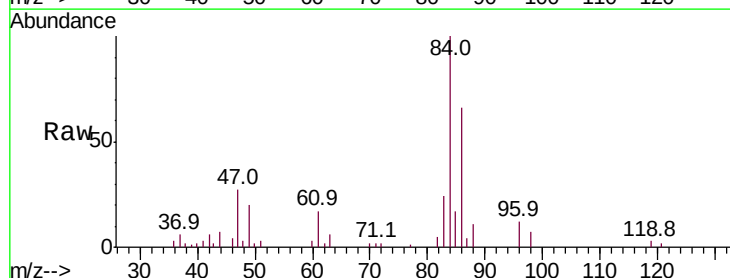
Acq: 24 Oct 2019 09:36

Tgt Ion: 83 Resp: 4517

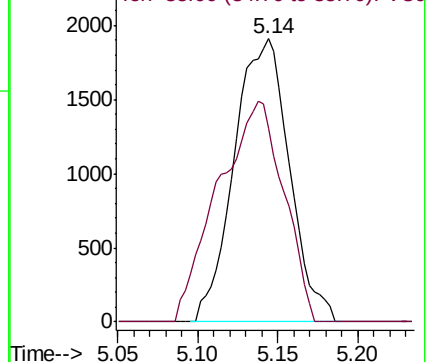
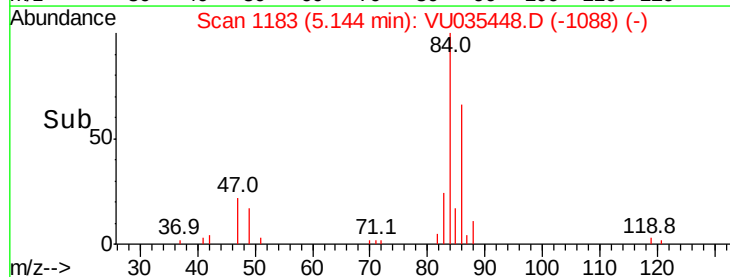
Ion Ratio Lower Upper

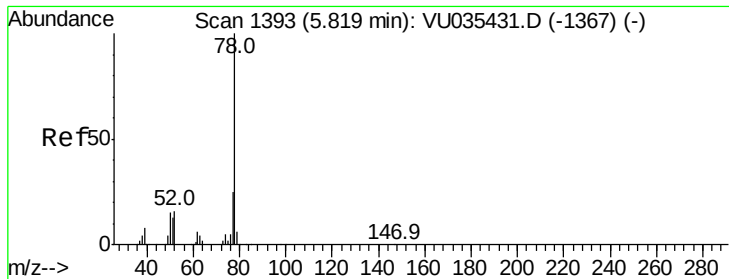
83 100

85 68.6 45.1 83.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.262 ug/L

RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VU035448.D

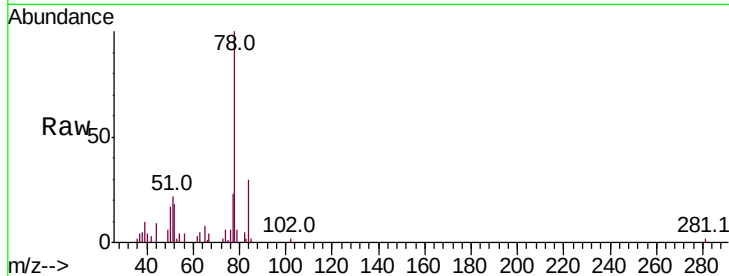
Acq: 24 Oct 2019 09:36

Instrument :

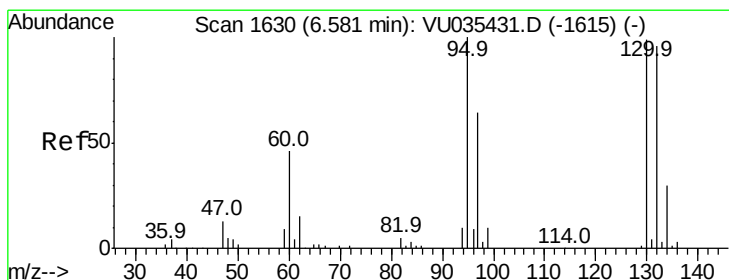
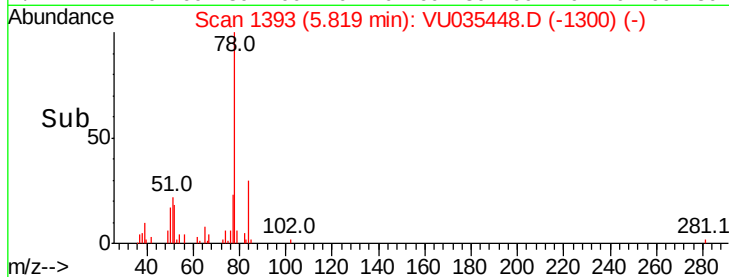
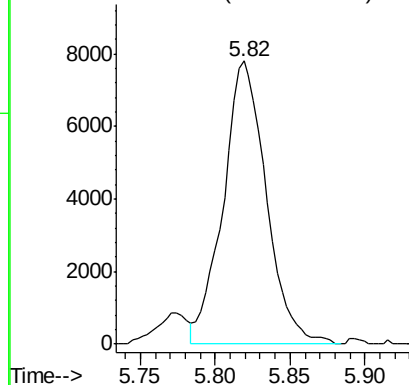
MSVOA_U

ClientSampled :

Tgt Ion: 78 Resp: 15642



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 7.278 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

Tgt Ion: 95 Resp: 116830

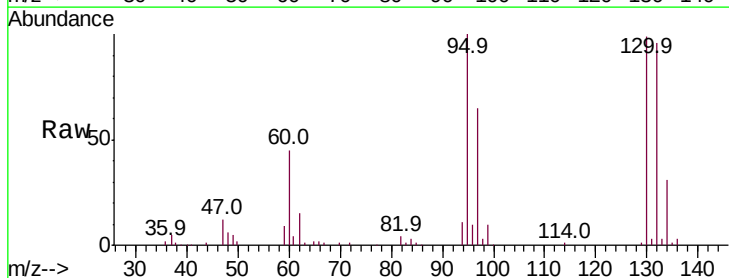
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.6	86.6
132	96.2	68.7	127.7
130	98.8	73.9	137.3

95 100

97 64.6 46.6 86.6

132 96.2 68.7 127.7

130 98.8 73.9 137.3

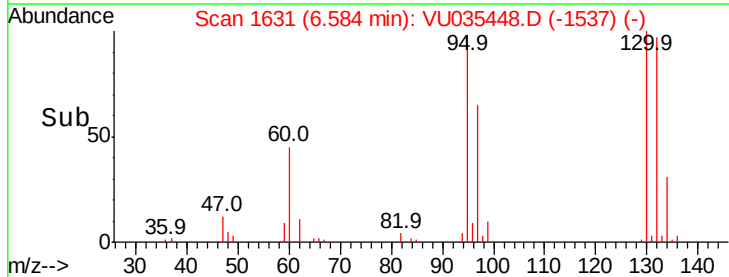
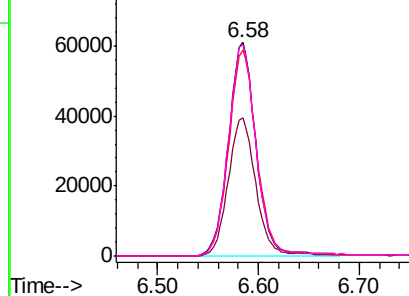


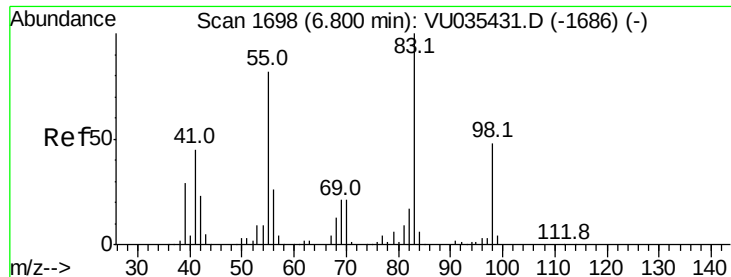
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 0.666 ug/L

RT: 6.74 min Scan# 1678

Delta R.T. -0.06 min

Lab File: VU035448.D

Acq: 24 Oct 2019 09:36

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ClientSampleId :

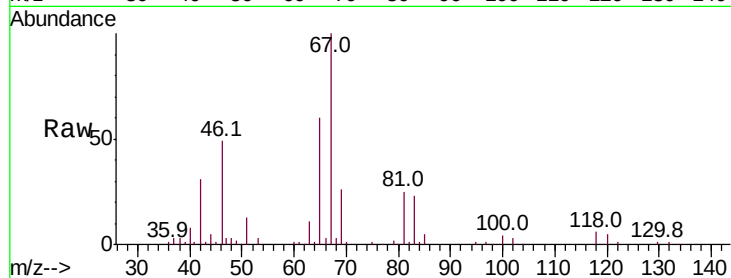
Tot Ion: 83 Resp: 17857

Ion Ratio Lower Upper

83 100

55 0.0 60.4 90.6#

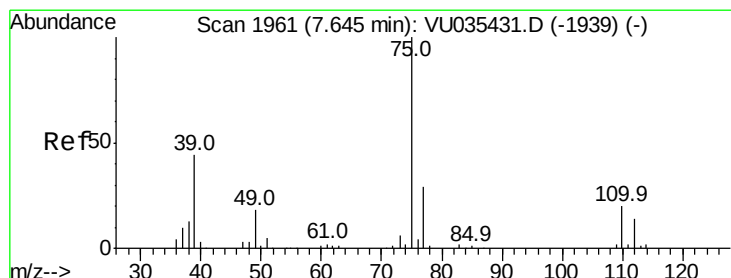
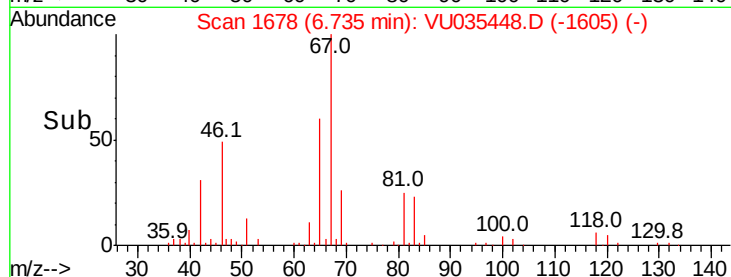
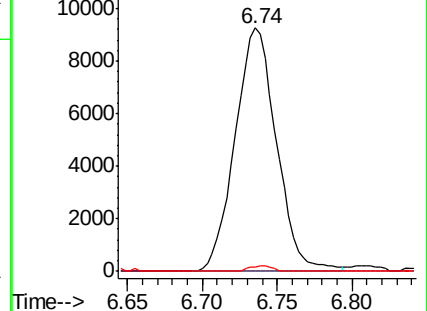
98 1.2 39.5 59.3#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#39

cis-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU035448.D

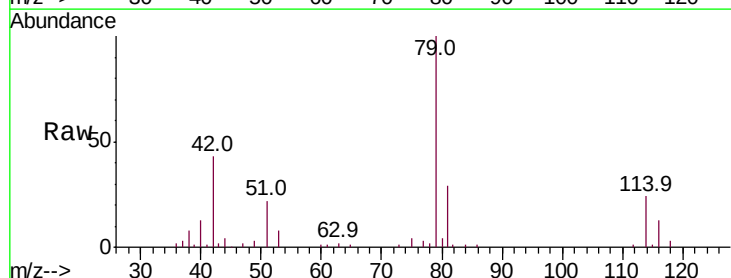
Acq: 24 Oct 2019 09:36

Tgt Ion: 75 Resp: 1828

Ion Ratio Lower Upper

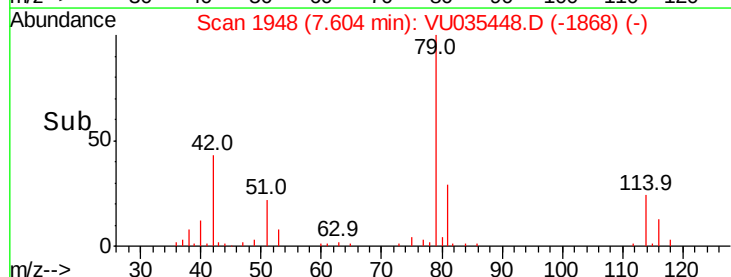
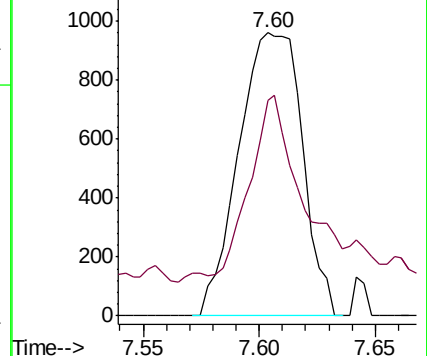
75 100

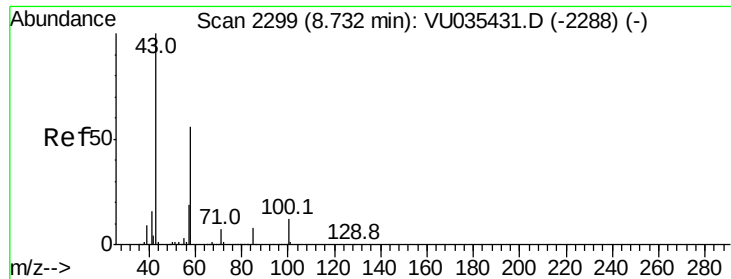
77 76.2 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

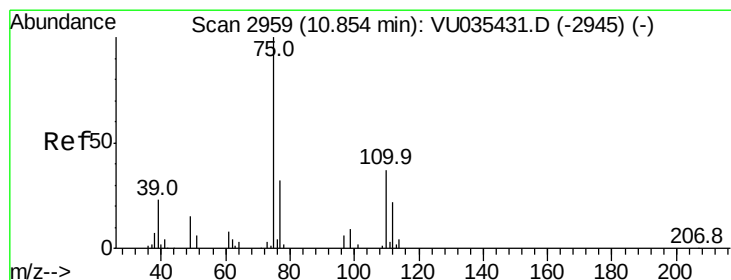
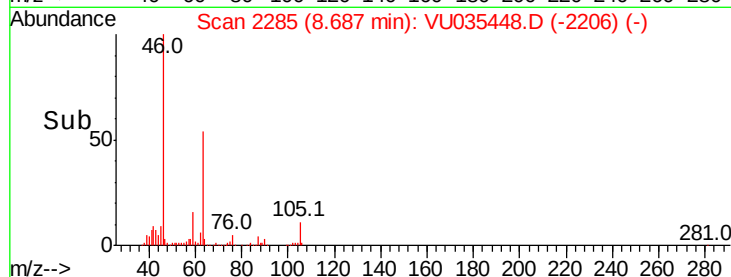
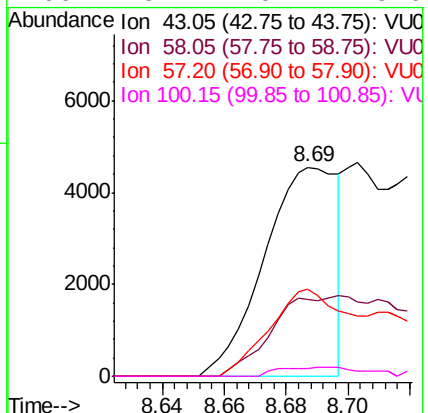
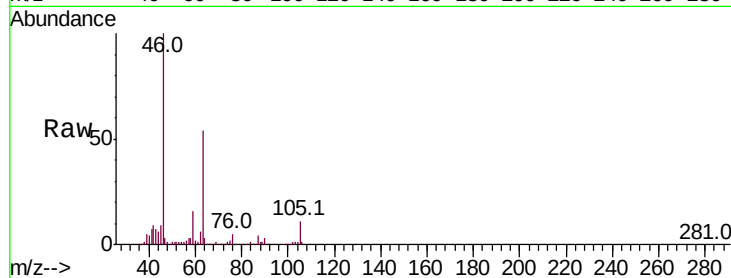




#48
 2-Hexanone
 Concen: 1.043 ug/L
 RT: 8.69 min Scan# 2285
 Delta R.T. -0.04 min
 Lab File: VU035448.D
 Acq: 24 Oct 2019 09:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 43 Resp: 7483
 Ion Ratio Lower Upper
 43 100
 58 63.7 45.1 67.7
 57 43.1 16.0 24.0#
 100 5.1 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.765 ug/L
 RT: 11.84 min Scan# 3267
 Delta R.T. 0.99 min
 Lab File: VU035448.D
 Acq: 24 Oct 2019 09:36

Tgt Ion: 75 Resp: 8078
 Ion Ratio Lower Upper
 75 100
 77 35.5 26.2 39.2

