

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112119\
 Data File : VU035807.D
 Acq On : 21 Nov 2019 16:49
 Operator : JC/SP
 Sample : K5930-11 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 B0AB1

Quant Time: Nov 22 03:11:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 01:33:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	220070	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	254059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	92583	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	145253	5.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.00%
7) Chloroethane-d5	1.94	69	129420	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.00%
11) 1,1-Dichloroethene-d2	2.59	63	208199	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	4.70	46	352325	52.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.92%
24) Chloroform-d	5.12	84	245456	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	145309	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.77	84	482629	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.74	67	174239	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.93	98	397425	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.22	79	57241	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.70	63	241045	47.19	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.38%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	135138	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	111040	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

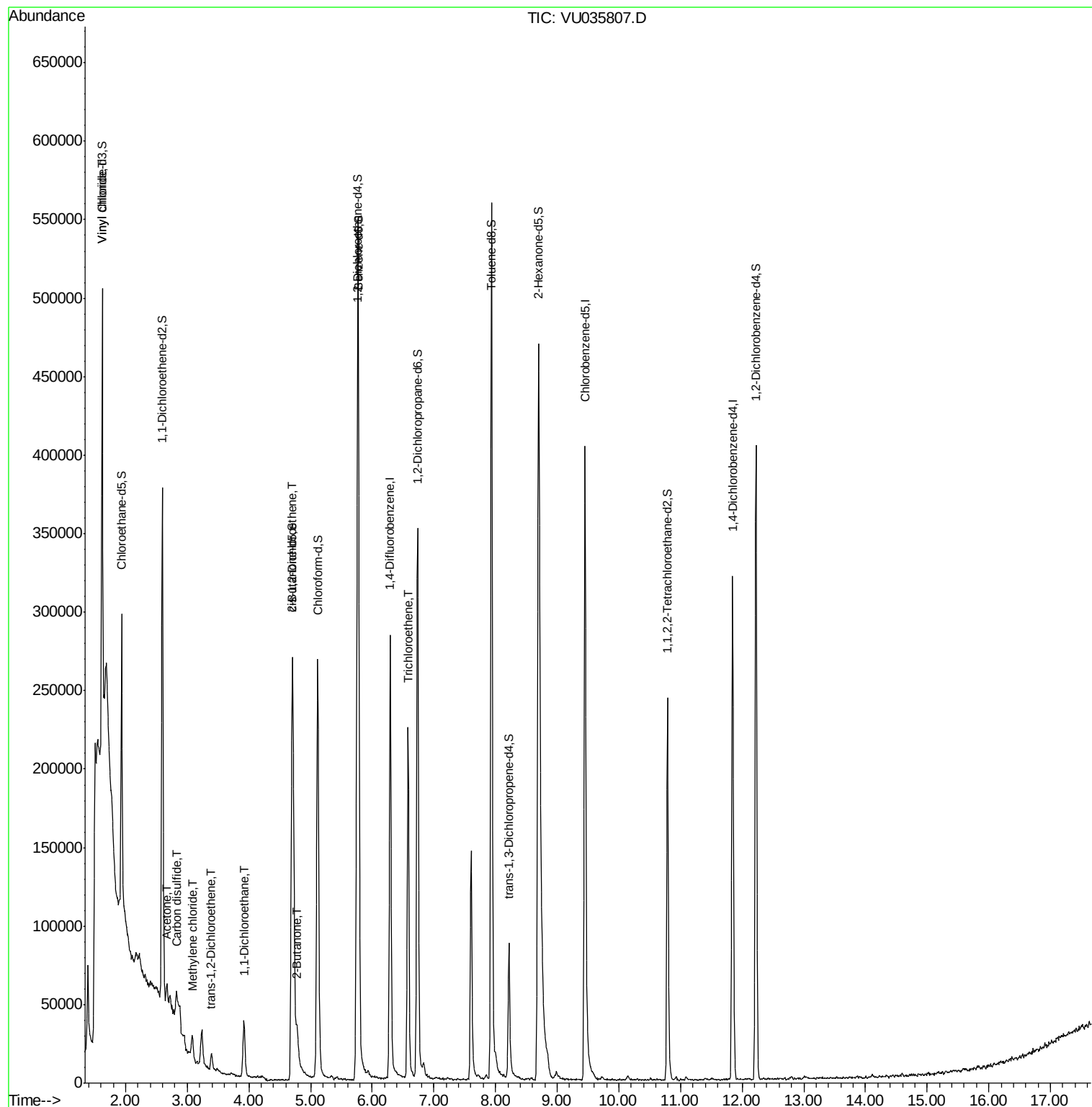
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.62	62	66614	1.813	ug/L #	1
13) Acetone	2.67	43	14697	2.515	ug/L	100
14) Carbon disulfide	2.83	76	25608	0.337	ug/L #	83
16) Methylene chloride	3.08	84	5767	0.208	ug/L	94
18) trans-1,2-Dichloroethene	3.39	96	3516	0.156	ug/L	86
19) 1,1-Dichloroethane	3.92	63	38820	0.766	ug/L	92
21) 2-Butanone	4.78	43	28715	3.884	ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	53841	2.143	ug/L	95
34) Trichloroethene	6.58	95	77141	2.967	ug/L	97

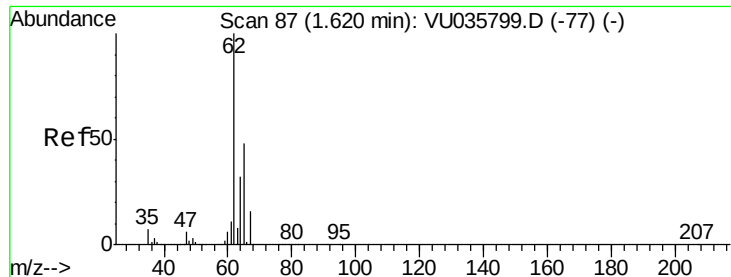
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.813 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

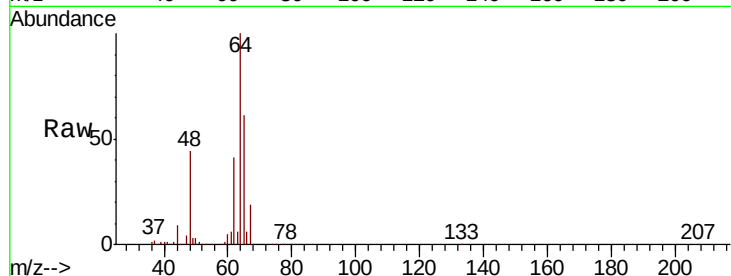
B0AB1

Tot Ion: 62 Resp: 66614

Ion Ratio Lower Upper

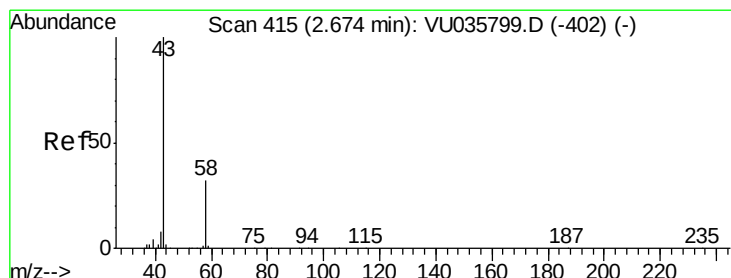
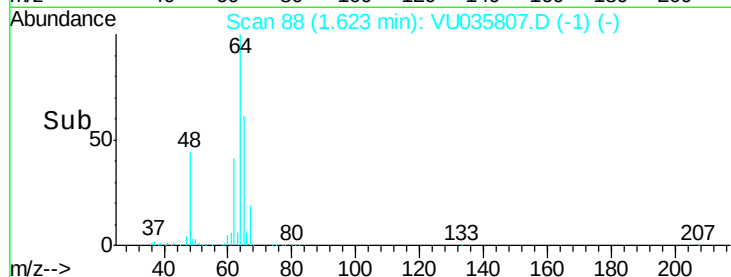
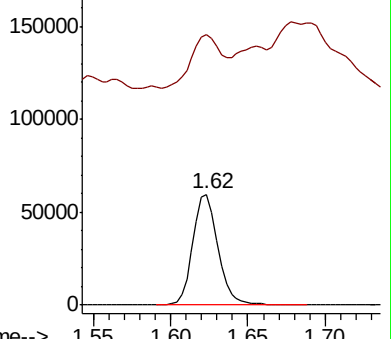
62 100

64 244.1 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU035799.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035799.D (-77) (-)



#13

Acetone

Concen: 2.515 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.00 min

Lab File: VU035807.D

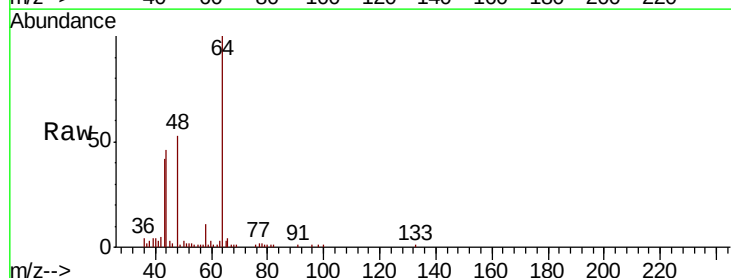
Acq: 21 Nov 2019 16:49

Tgt Ion: 43 Resp: 14697

Ion Ratio Lower Upper

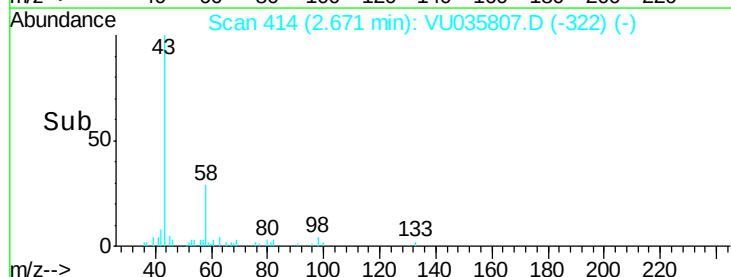
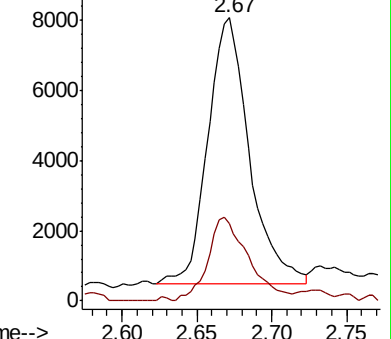
43 100

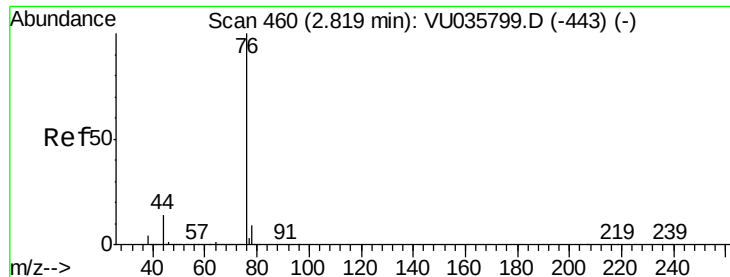
58 30.7 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035799.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035799.D (-402) (-)





#14

Carbon disulfide

Concen: 0.337 ug/L

RT: 2.83 min Scan# 463

Delta R.T. 0.01 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

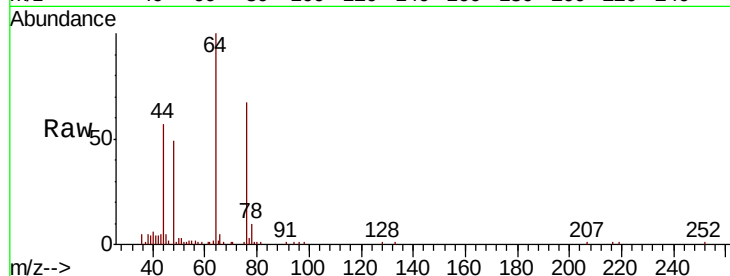
B0AB1

Tot Ion: 76 Resp: 25608

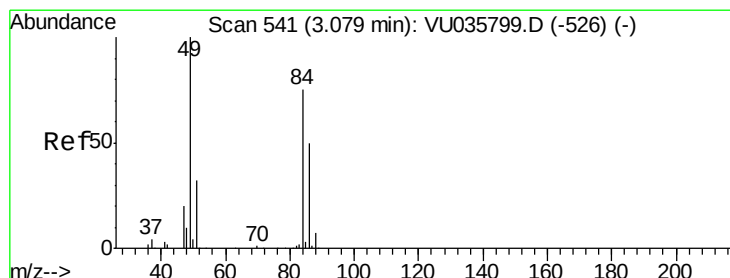
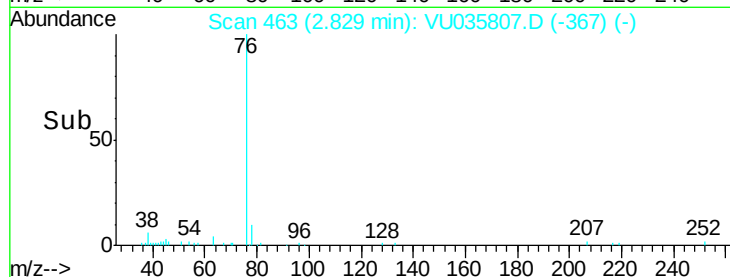
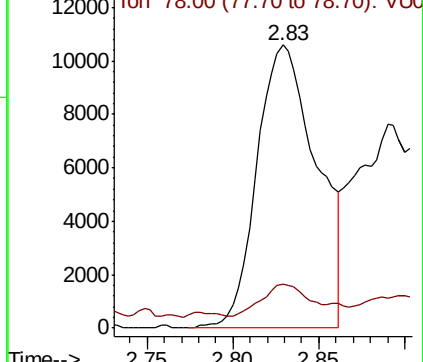
Ion Ratio Lower Upper

76 100

78 15.4 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VU035807.D (-367) (-)



#16

Methylene chloride

Concen: 0.208 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

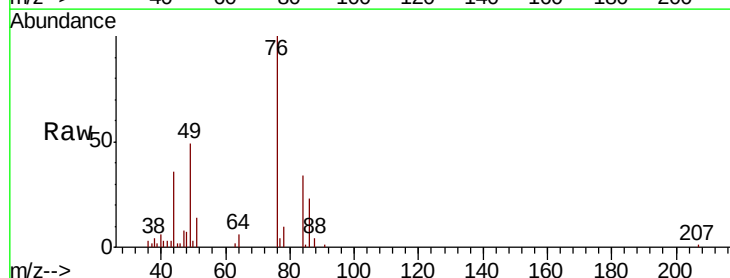
Tgt Ion: 84 Resp: 5767

Ion Ratio Lower Upper

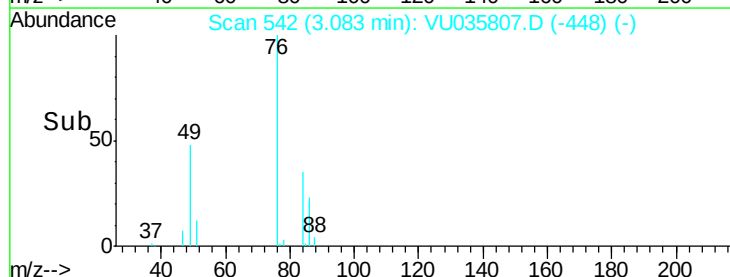
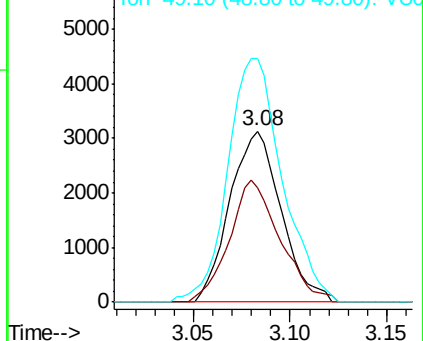
84 100

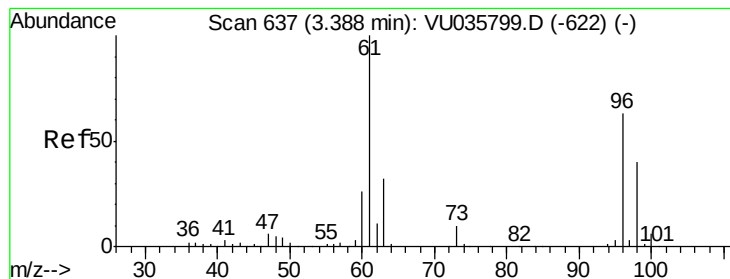
86 66.7 44.4 82.5

49 142.2 94.0 174.6



Abundance Ion 84.05 (83.75 to 84.75): VU035807.D (-448) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.156 ug/L

RT: 3.39 min Scan# 639

Delta R.T. 0.01 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

B0AB1

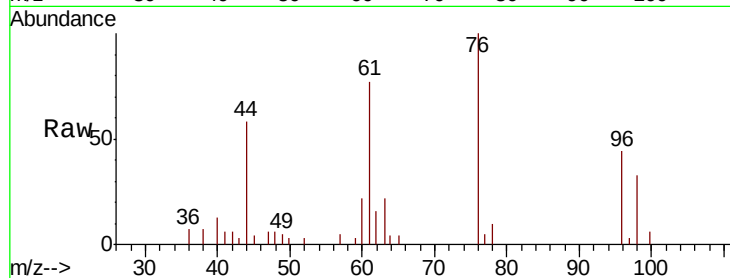
Tot Ion: 96 Resp: 3516

Ion Ratio Lower Upper

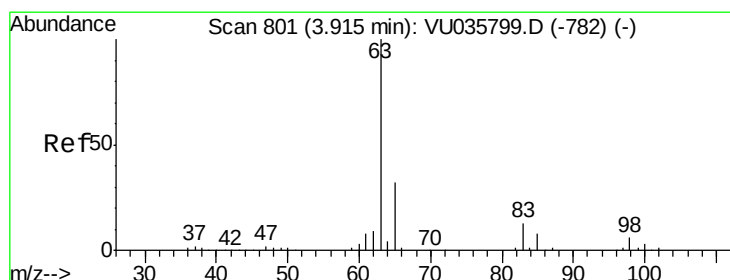
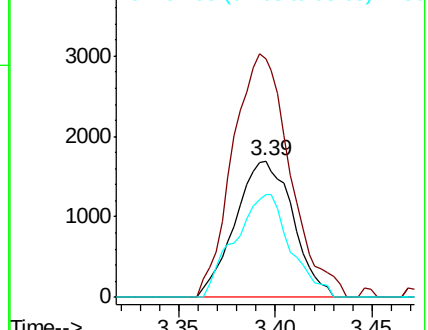
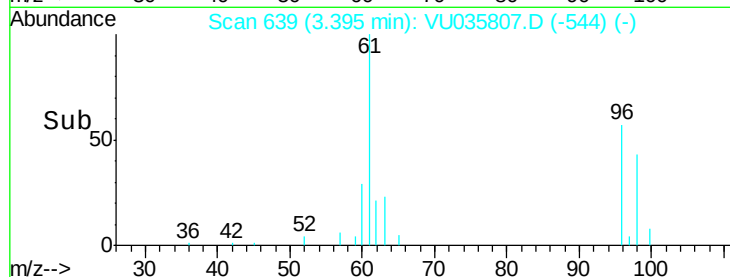
96 100

61 174.6 111.1 206.3

98 74.9 43.1 80.1



Abundance Ion 96.00 (95.70 to 96.70): VU035807.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.766 ug/L

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

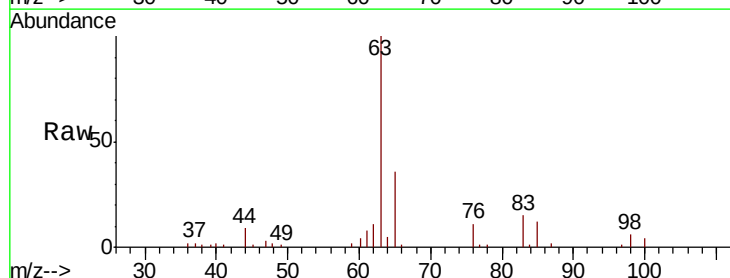
Tgt Ion: 63 Resp: 38820

Ion Ratio Lower Upper

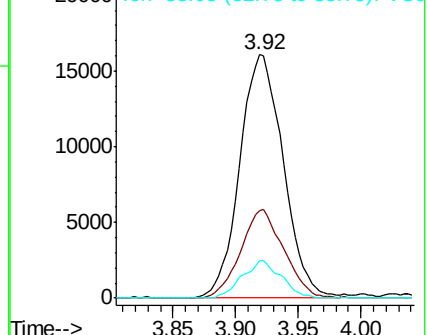
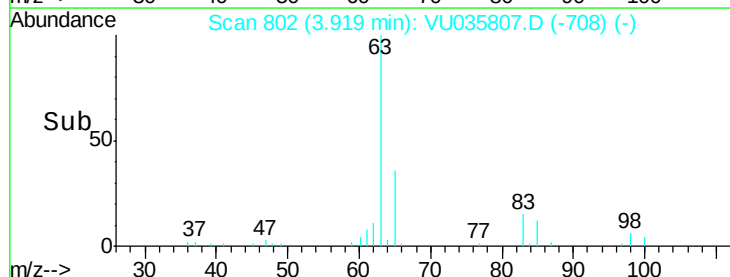
63 100

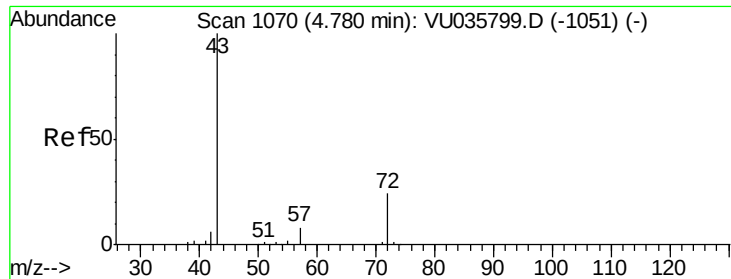
65 35.8 21.8 40.4

83 15.2 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU035807.D (-708) (-)

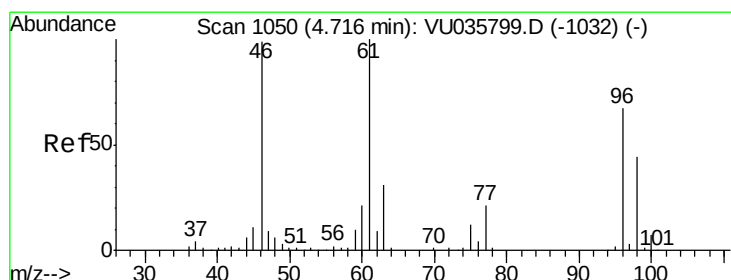
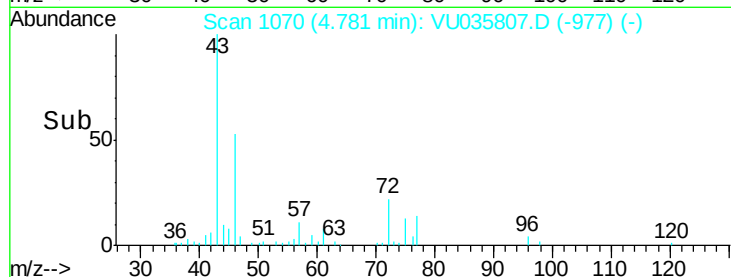
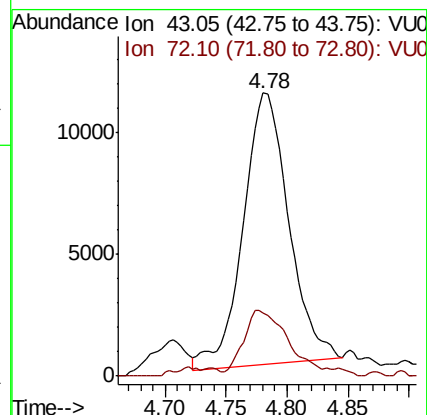
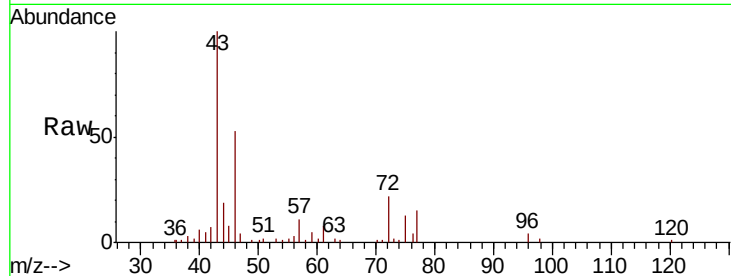




#21
 2-Butanone
 Concen: 3.884 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VU035807.D
 Acq: 21 Nov 2019 16:49

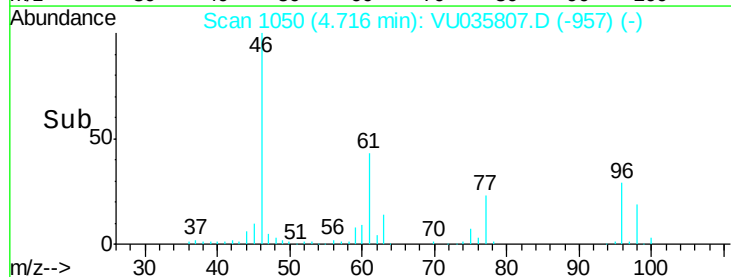
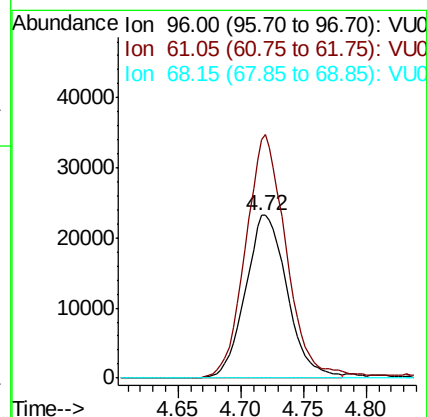
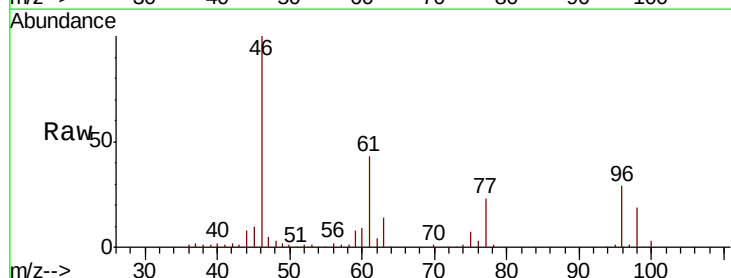
Instrument :
 MSVOA_U
 ClientSampled :
 B0AB1

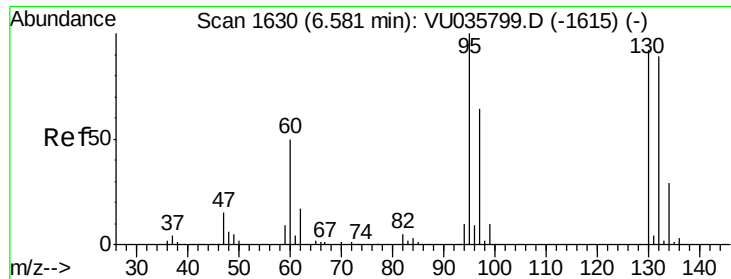
Tot Ion: 43 Resp: 28715
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.4 37.4



#22
 cis-1,2-Dichloroethene
 Concen: 2.143 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035807.D
 Acq: 21 Nov 2019 16:49

Tgt Ion: 96 Resp: 53841
 Ion Ratio Lower Upper
 96 100
 61 146.7 98.1 182.1
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 2.967 ug/L

RT: 6.58 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VU035807.D

Acq: 21 Nov 2019 16:49

Instrument :

MSVOA_U

ClientSampleId :

B0AB1

Tot Ion: 95 Resp: 77141

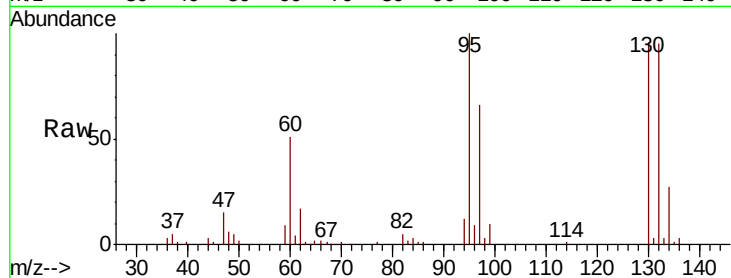
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 94.7 61.9 114.9

130 96.3 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): V

Ion 129.95 (129.65 to 130.65): V

