

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\
 Data File : VU032794.D
 Acq On : 17 Jun 2019 19:44
 Operator : JC/SP
 Sample : K3324-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0JR5

Quant Time: Jun 18 04:43:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 18 02:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	228603	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	221229	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111143	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	62429	39.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.92%
7) Chloroethane-d5	1.68	69	54215	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.02%
11) 1,1-Dichloroethene-d2	2.27	63	100909	32.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.12%
21) 2-Butanone-d5	4.17	46	144927	111.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.45%
24) Chloroform-d	4.64	84	134805	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
26) 1,2-Dichloroethane-d4	5.30	65	95039	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.33	84	262840	45.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.16%
36) 1,2-Dichloropropane-d6	6.32	67	87137	47.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.86%
41) Toluene-d8	7.56	98	239116	44.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.56%
43) trans-1,3-Dichloropropene-	7.84	79	43062	45.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.12%
47) 2-Hexanone-d5	8.31	63	104840	122.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.22%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	134559	47.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.76%
64) 1,2-Dichlorobenzene-d4	11.85	152	101747	47.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.62%

Target Compounds

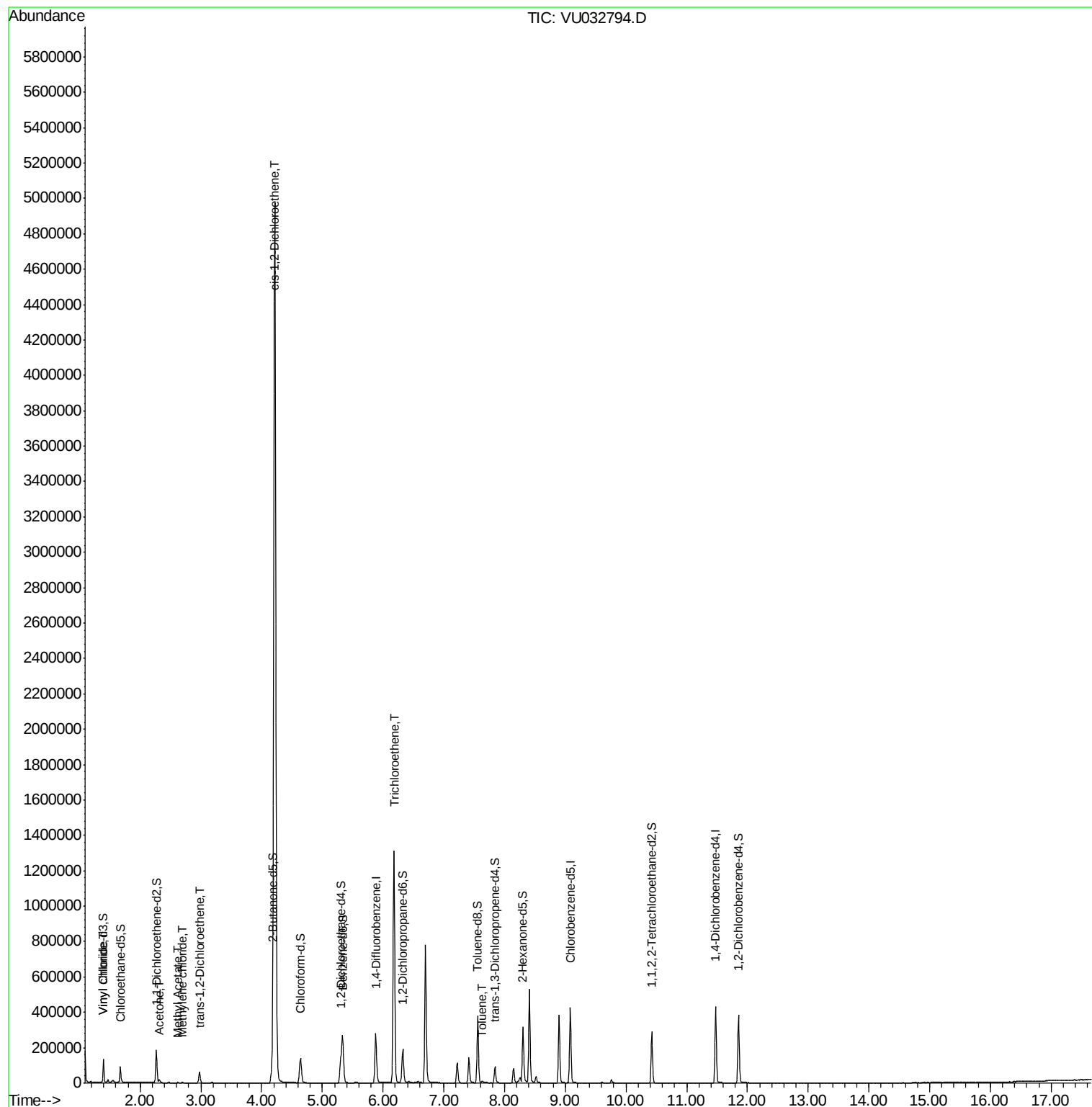
					Ovalue
5) Vinyl chloride	1.40	62	21321	10.271 ug/L	93
13) Acetone	2.32	43	16434	9.150 ug/L	98
15) Methyl Acetate	2.62	43	2049	1.006 ug/L #	76
16) Methylene chloride	2.69	84	2327	1.378 ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	22303	14.287 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	2619536	1540.305 ug/L	95
34) Trichloroethene	6.18	95	426991	250.760 ug/L	99
42) Toluene	7.63	91	4889	0.709 ug/L	91

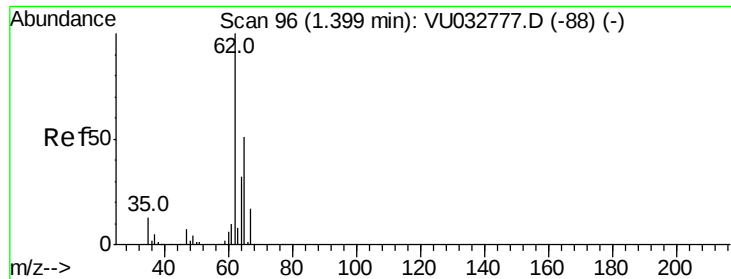
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 10.271 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU032794.D

Acq: 17 Jun 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

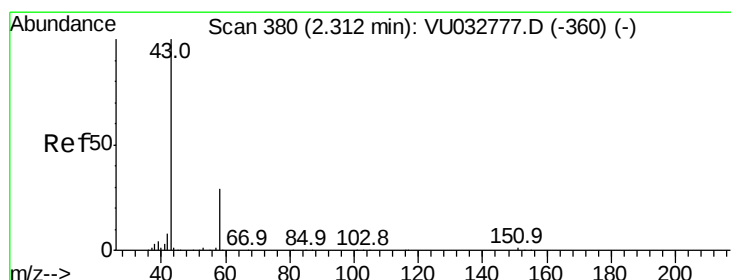
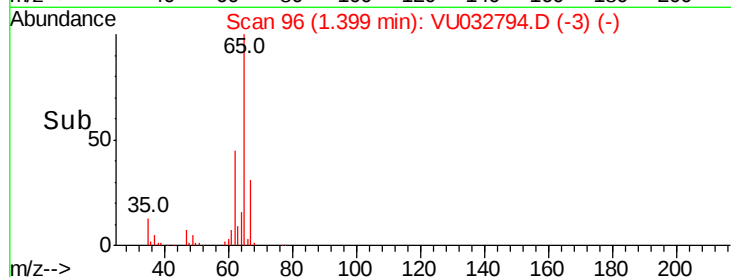
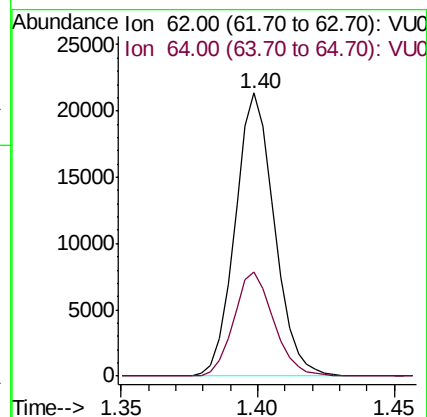
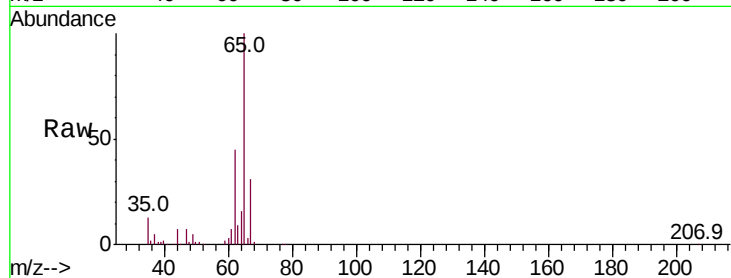
C0JR5

Tot Ion: 62 Resp: 21321

Ion Ratio Lower Upper

62 100

64 36.6 23.0 42.6



#13

Acetone

Concen: 9.150 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032794.D

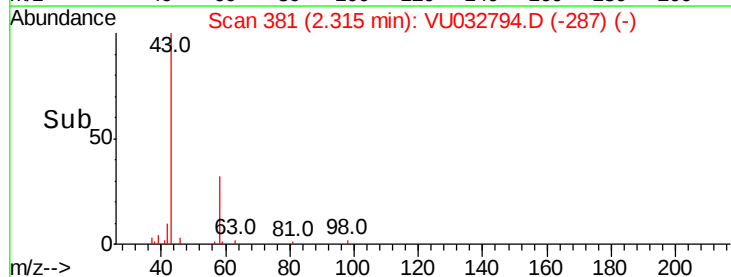
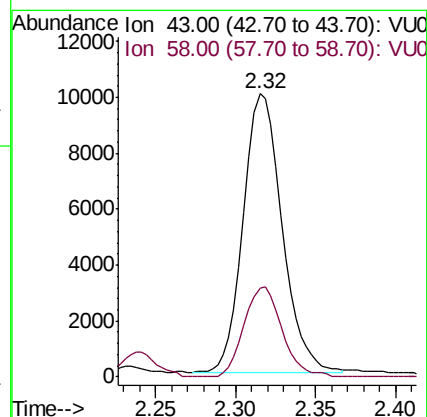
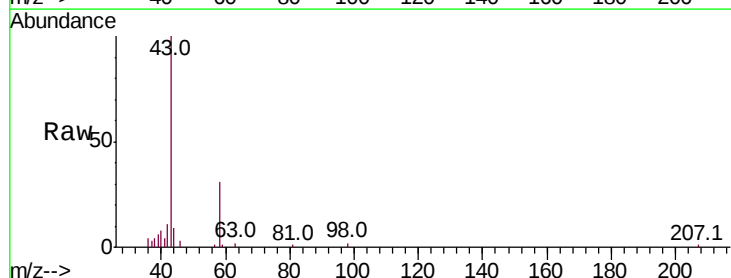
Acq: 17 Jun 2019 19:44

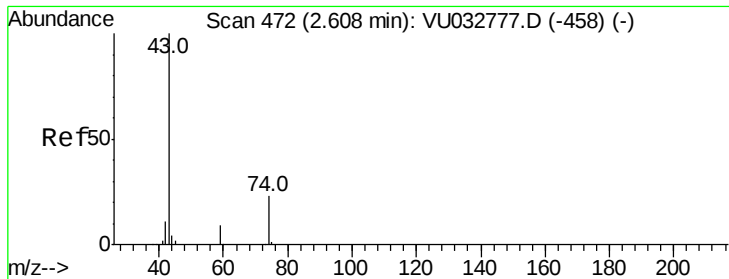
Tgt Ion: 43 Resp: 16434

Ion Ratio Lower Upper

43 100

58 31.3 0.0 60.6





#15

Methyl Acetate

Concen: 1.006 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU032794.D

Acq: 17 Jun 2019 19:44

Instrument :

MSVOA_U

ClientSampled :

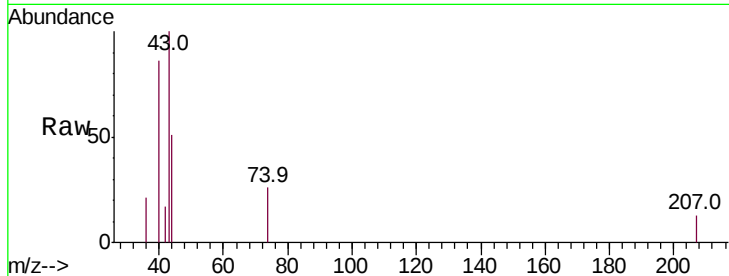
C0JR5

Tot Ion: 43 Resp: 2049

Ion Ratio Lower Upper

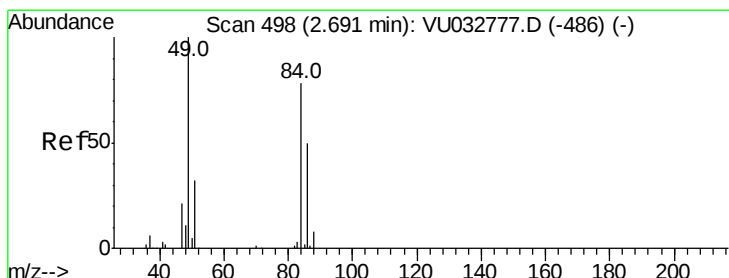
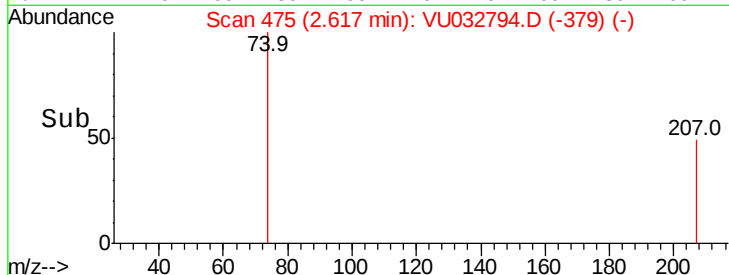
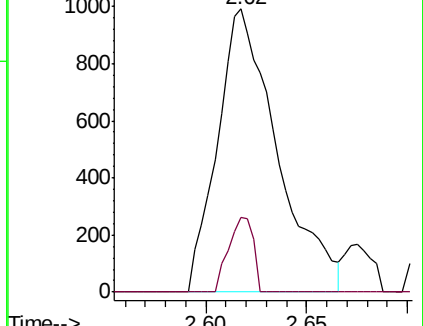
43 100

74 10.9 18.1 27.1#



Abundance Ion 43.00 (42.70 to 43.70): VU032777.D (-458) (-)

Ion 74.00 (73.70 to 74.70): VU032777.D (-458) (-)



#16

Methylene chloride

Concen: 1.378 ug/L

RT: 2.69 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU032794.D

Acq: 17 Jun 2019 19:44

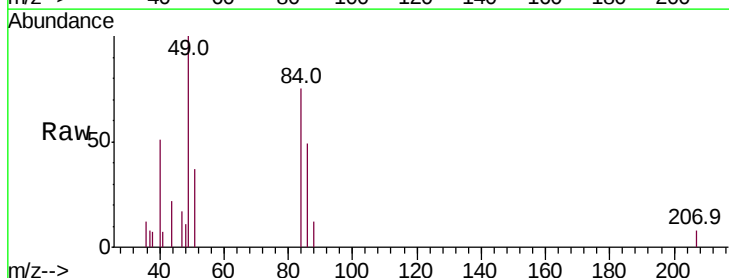
Tgt Ion: 84 Resp: 2327

Ion Ratio Lower Upper

84 100

86 65.9 45.5 84.5

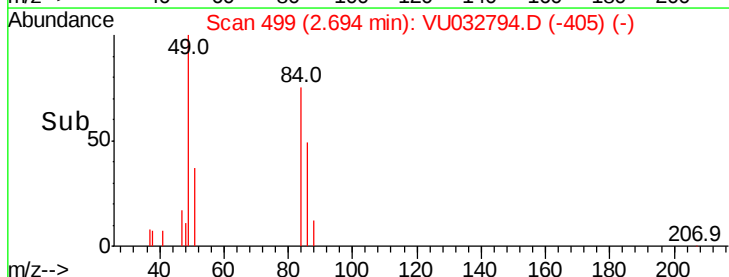
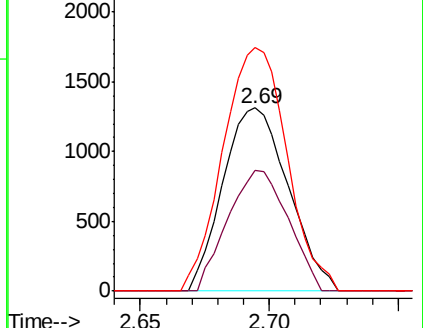
49 133.2 92.1 171.1

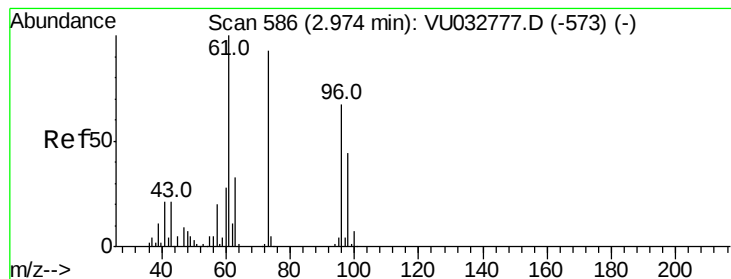


Abundance Ion 84.00 (83.70 to 84.70): VU032777.D (-486) (-)

Ion 86.00 (85.70 to 86.70): VU032777.D (-486) (-)

Ion 49.00 (48.70 to 49.70): VU032777.D (-486) (-)





#17

trans-1,2-Dichloroethene

Concen: 14.287 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032794.D

Acq: 17 Jun 2019 19:44

Instrument :

MSVOA_U

ClientSampleId :

C0JR5

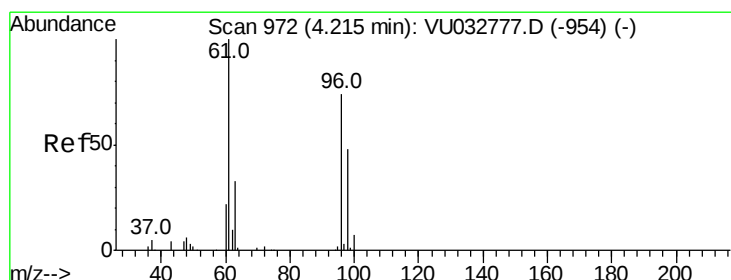
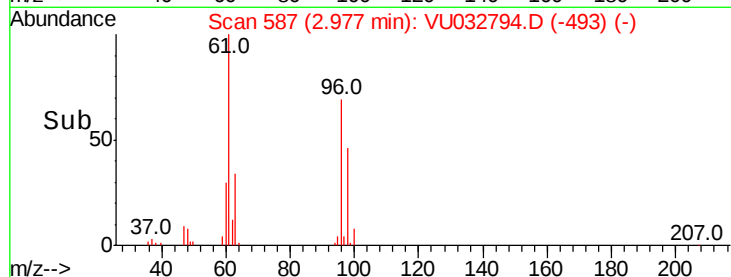
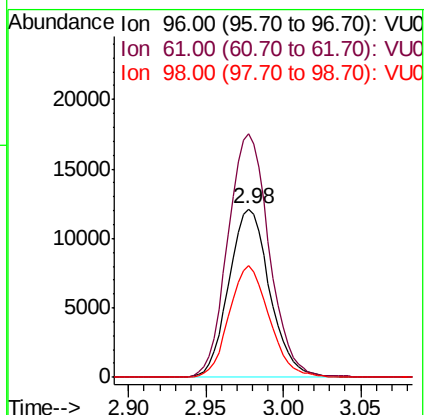
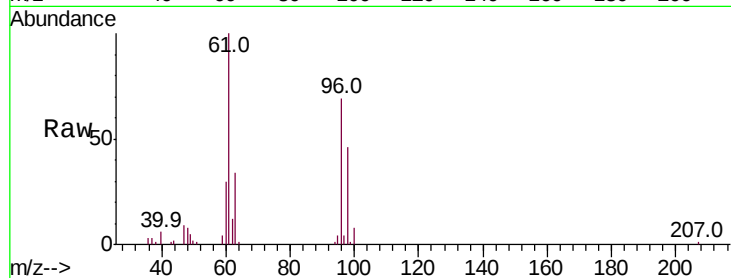
Tot Ion: 96 Resp: 22303

Ion Ratio Lower Upper

96 100

61 144.6 100.9 187.5

98 66.4 44.0 81.8



#20

cis-1,2-Dichloroethene

Concen: 1540.305 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032794.D

Acq: 17 Jun 2019 19:44

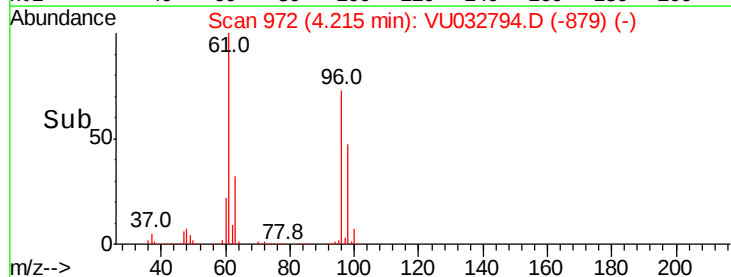
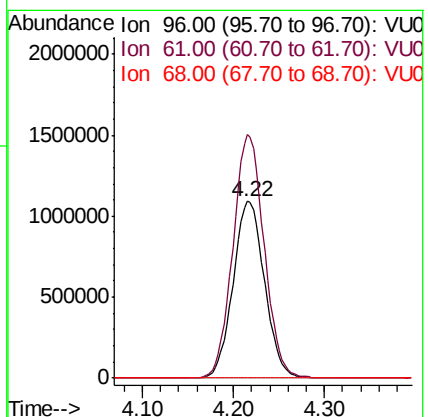
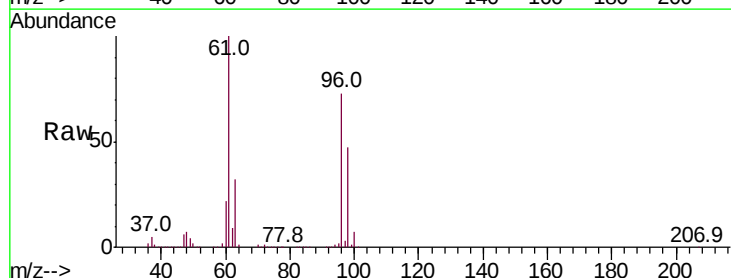
Tgt Ion: 96 Resp: 2619536

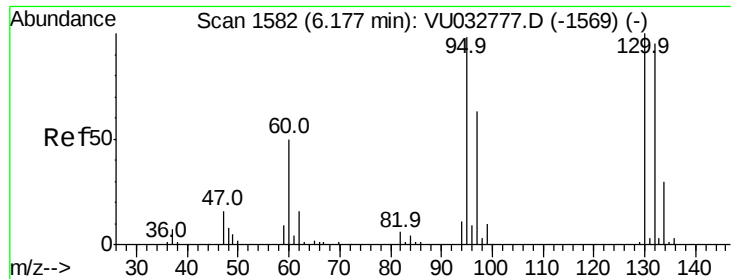
Ion Ratio Lower Upper

96 100

61 137.6 92.4 171.6

68 0.0 0.0 0.0

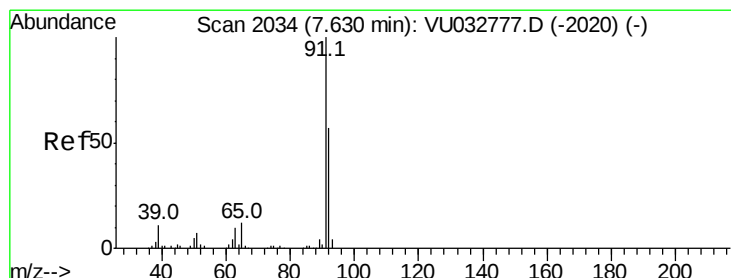
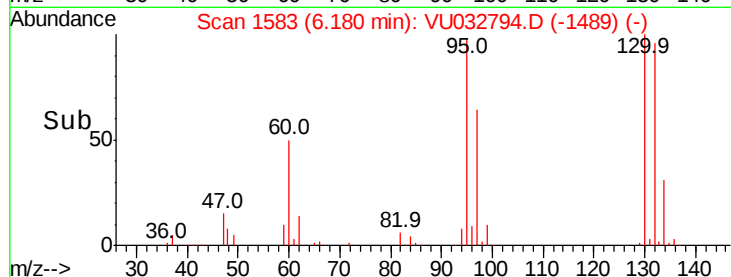
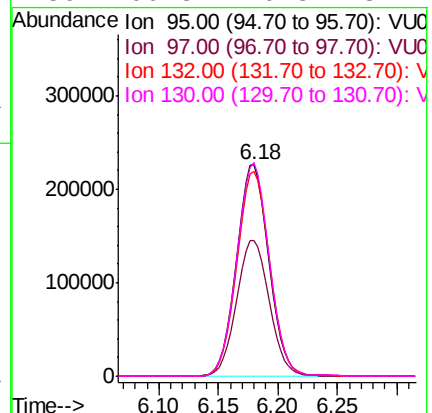
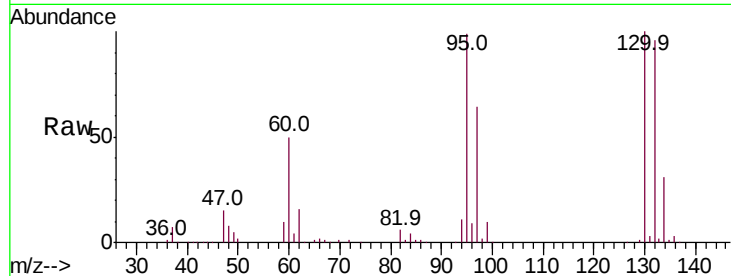




#34
 Trichloroethene
 Concen: 250.760 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032794.D
 Acq: 17 Jun 2019 19:44

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 MSVOA_U
 ClientSampleId :
 C0JR5

Tot Ion: 95 Resp: 426991
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.9 85.3
 132 96.7 68.5 127.3
 130 100.8 70.8 131.4



#42
 Toluene
 Concen: 0.709 ug/L
 RT: 7.63 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VU032794.D
 Acq: 17 Jun 2019 19:44

Tgt Ion: 91 Resp: 4889
 Ion Ratio Lower Upper
 91 100
 92 51.2 40.4 75.0

