

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037795.D
 Acq On : 18 Apr 2020 01:05
 Operator : JC/MD
 Sample : L2319-07
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 05:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 05:19:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269841	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255533	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	125402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	76109	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	1.93	69	71593	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.59	63	107536	2.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	59.20%#
20) 2-Butanone-d5	4.66	46	311200	55.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.98%
24) Chloroform-d	5.10	84	153969	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.74	65	92048	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.76	84	317908	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.72	67	108920	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.92	98	285198	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	8.20	79	43949	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.65	63	263826	51.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.12%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	89261	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	108449	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

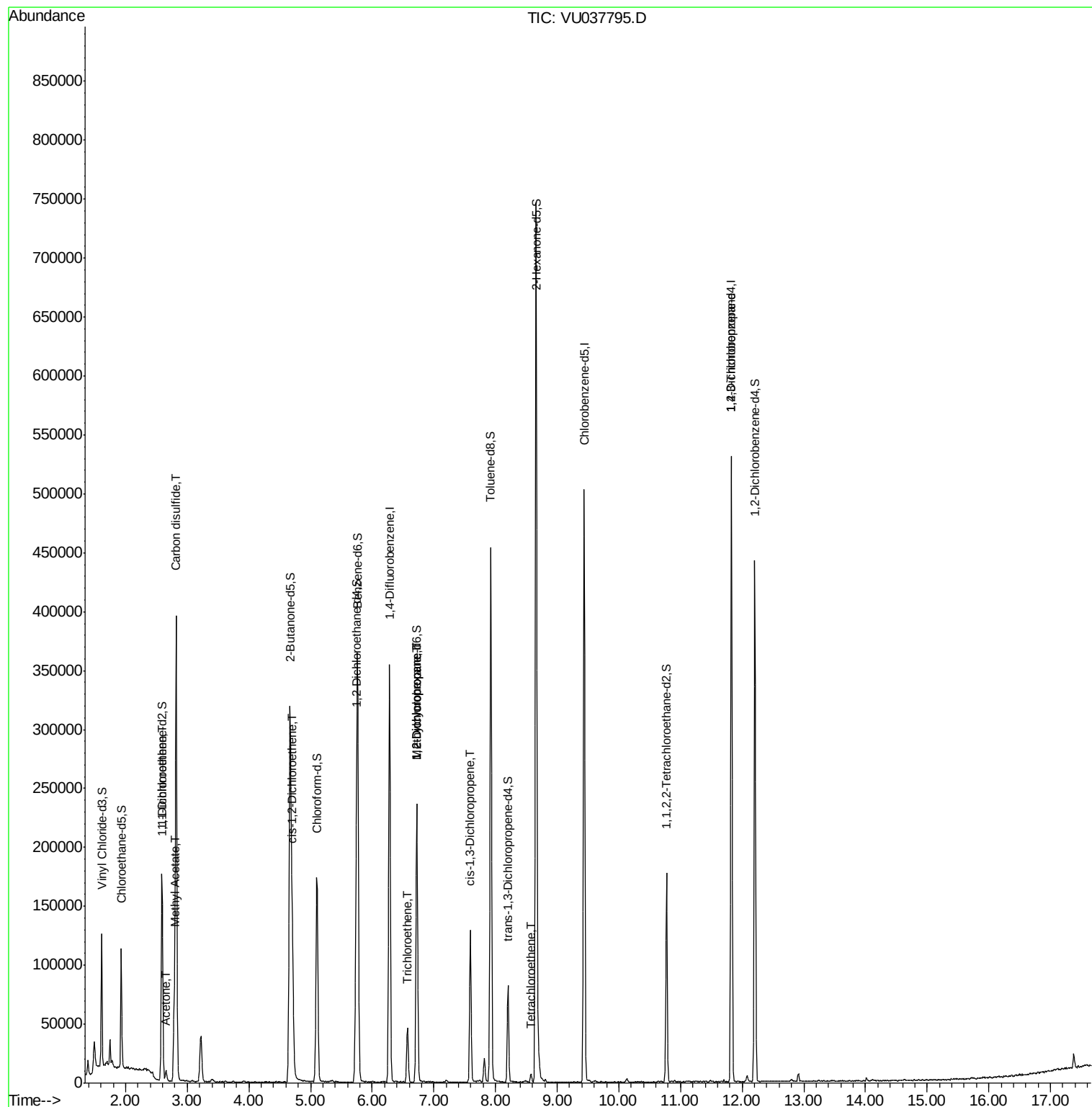
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	3060	0.164	ug/L #	1
13) Acetone	2.66	43	9202	2.489	ug/L	99
14) Carbon disulfide	2.82	76	492750	7.247	ug/L	100
15) Methyl Acetate	2.79	43	15327	1.491	ug/L #	56
22) cis-1,2-Dichloroethene	4.71	96	47106	2.160	ug/L	96
34) Trichloroethene	6.57	95	15138	0.730	ug/L	99
35) Methylcyclohexane	6.72	83	23823	0.655	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11659	0.521	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	2942	0.084	ug/L #	42
47) Tetrachloroethene	8.57	164	1396	0.094	ug/L	96
59) 1,2,3-Trichloropropane	11.83	75	18342	1.252	ug/L	92

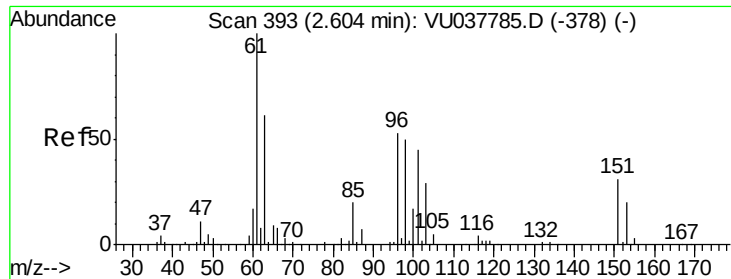
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.164 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU037795.D

Acq: 18 Apr 2020 01:05

Instrument :
MSVOA_U
ClientSampleId :

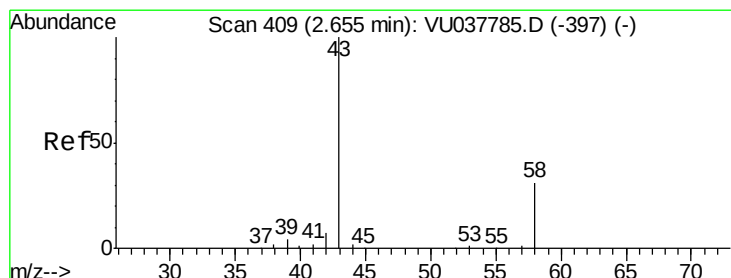
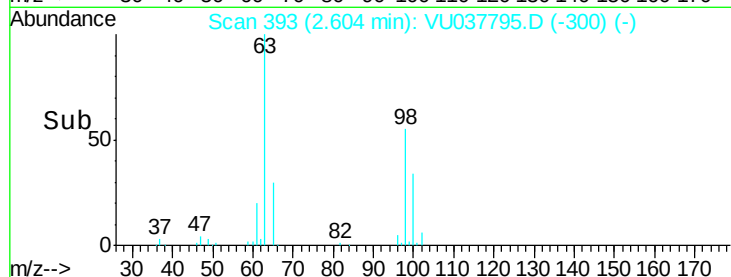
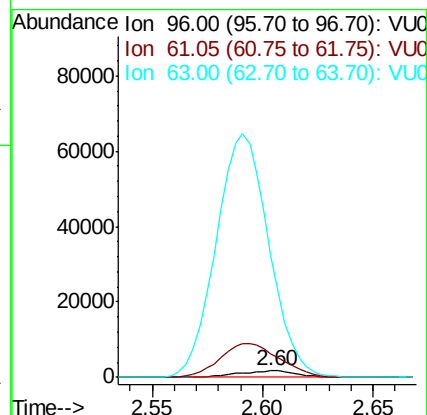
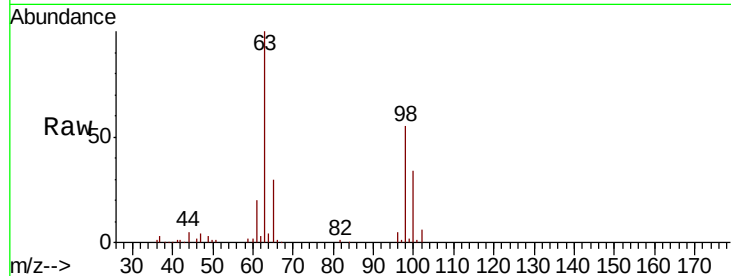
Tot Ion: 96 Resp: 3060

Ion Ratio Lower Upper

96 100

61 378.0 127.7 237.3#

63 1932.2 85.0 157.8#



#13

Acetone

Concen: 2.489 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037795.D

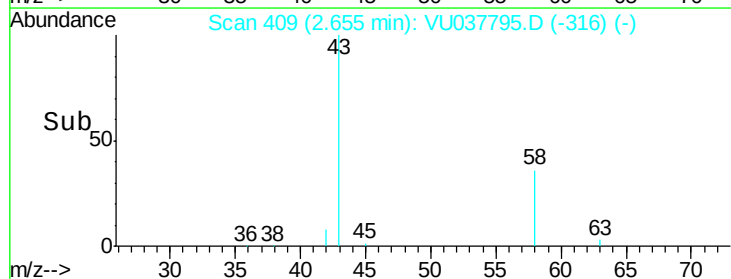
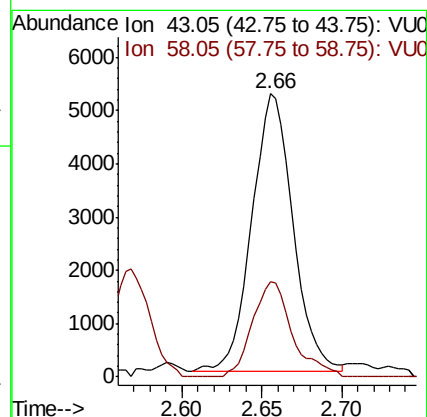
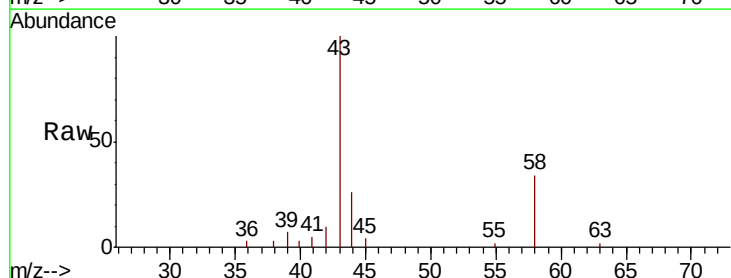
Acq: 18 Apr 2020 01:05

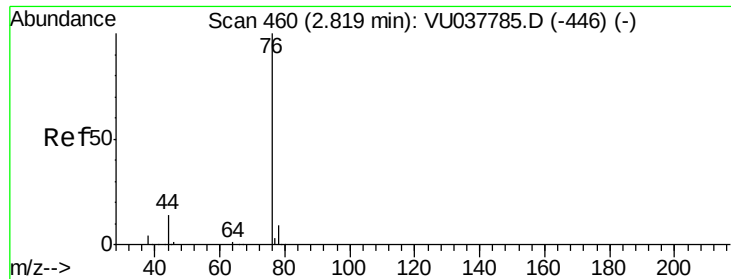
Tgt Ion: 43 Resp: 9202

Ion Ratio Lower Upper

43 100

58 33.2 0.0 64.8





#14

Carbon disulfide

Concen: 7.247 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU037795.D

Acq: 18 Apr 2020 01:05

Instrument :

MSVOA_U

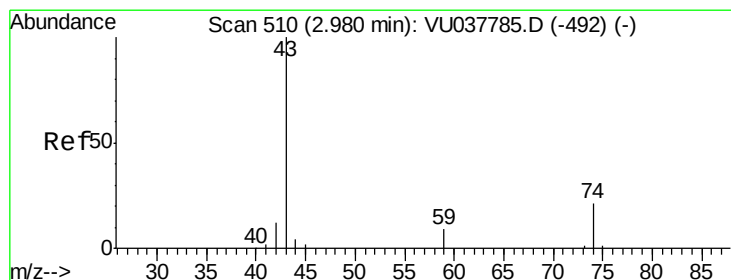
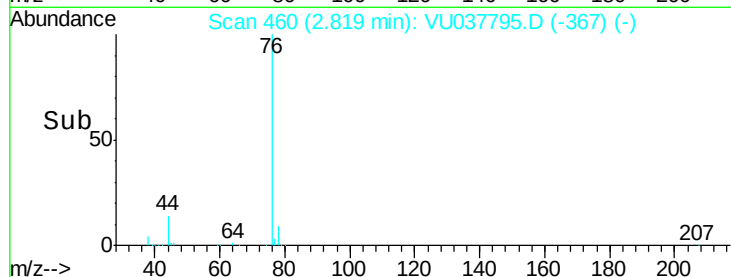
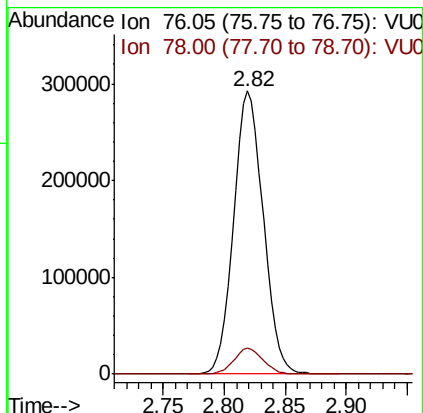
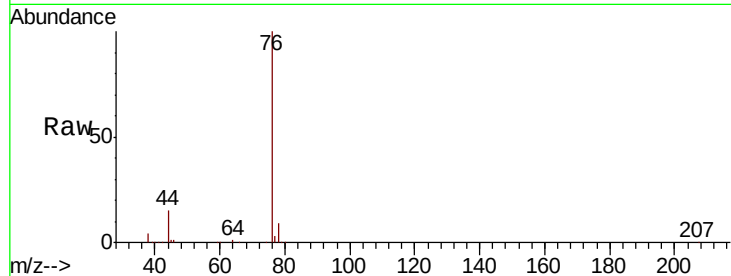
ClientSampleId :

Tot Ion: 76 Resp: 492750

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



#15

Methyl Acetate

Concen: 1.491 ug/L

RT: 2.79 min Scan# 450

Delta R.T. -0.19 min

Lab File: VU037795.D

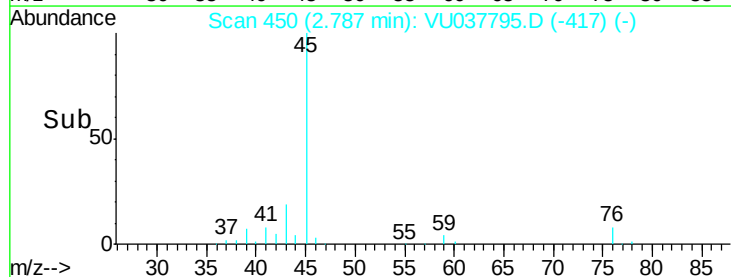
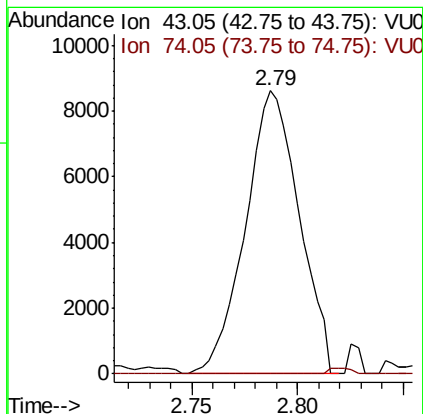
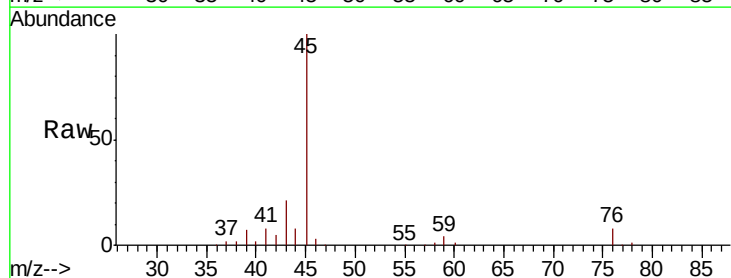
Acq: 18 Apr 2020 01:05

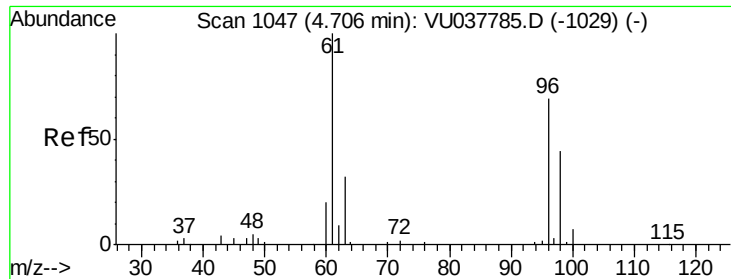
Tgt Ion: 43 Resp: 15327

Ion Ratio Lower Upper

43 100

74 0.8 17.2 25.8#





#22

cis-1,2-Dichloroethene

Concen: 2.160 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU037795.D

Acq: 18 Apr 2020 01:05

Instrument :

MSVOA_U

ClientSampleId :

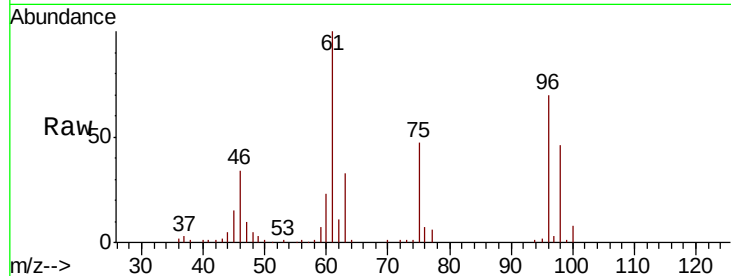
Tot Ion: 96 Resp: 47106

Ion Ratio Lower Upper

96 100

61 143.6 97.0 180.2

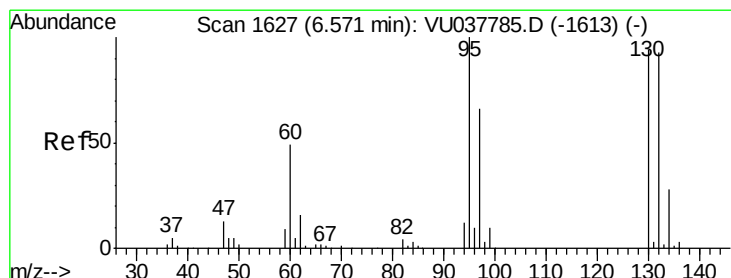
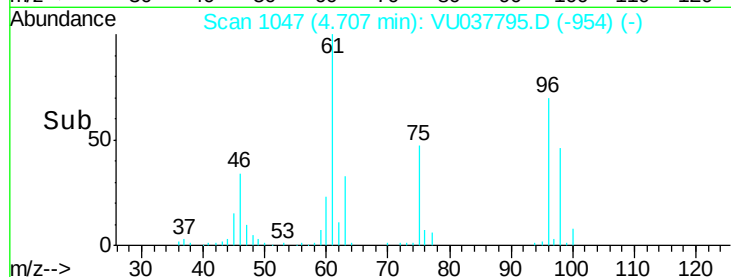
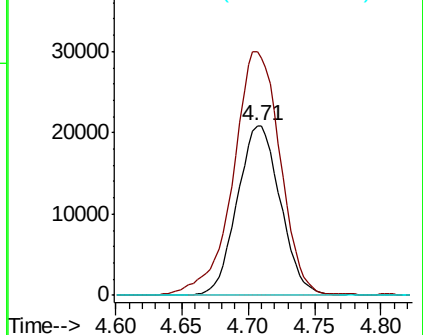
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037795.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU037795.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU037795.D (-1534) (-)



#34

Trichloroethene

Concen: 0.730 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037795.D

Acq: 18 Apr 2020 01:05

Tgt Ion: 95 Resp: 15138

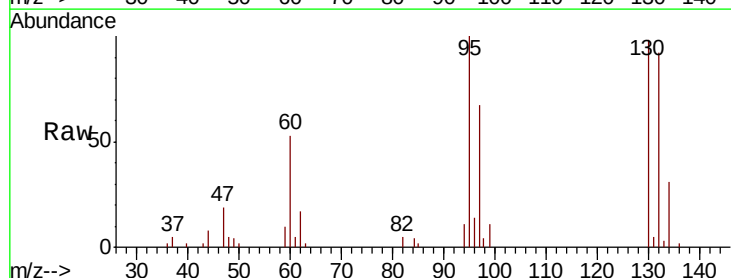
Ion Ratio Lower Upper

95 100

97 67.0 45.4 84.2

132 92.1 63.7 118.3

130 97.7 68.7 127.5

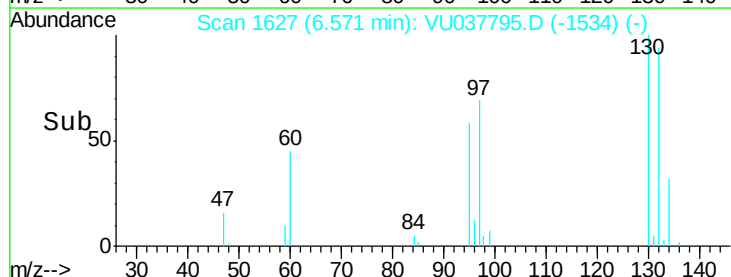
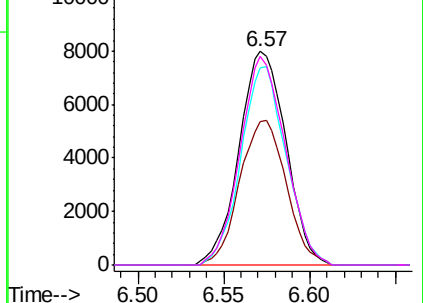


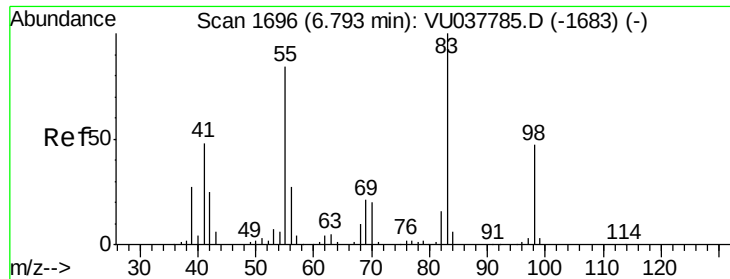
Abundance Ion 95.00 (94.70 to 95.70): VU037795.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU037795.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU037795.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU037795.D (-1534) (-)

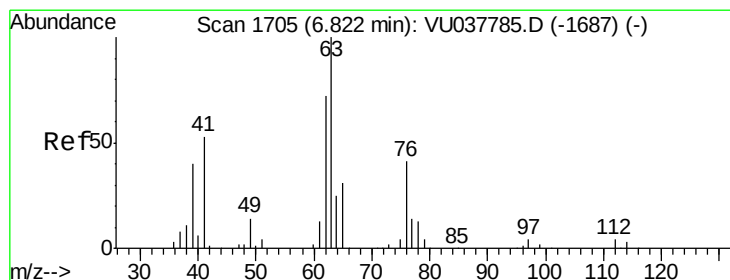
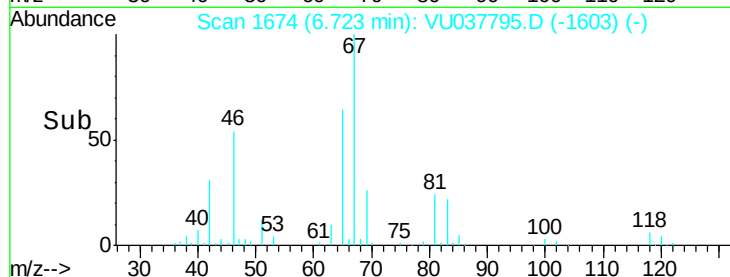
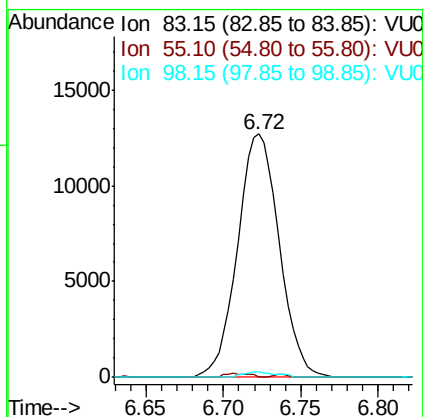
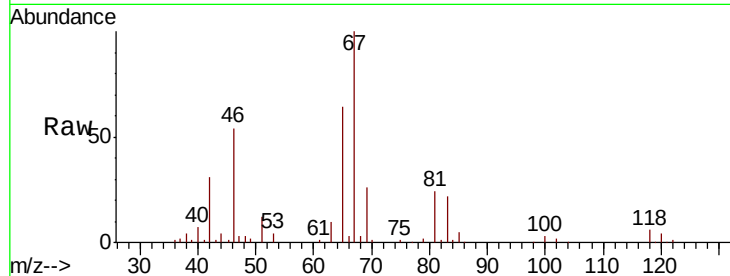




#35
Methylvlcyclohexane
Concen: 0.655 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037795.D
Acq: 18 Apr 2020 01:05

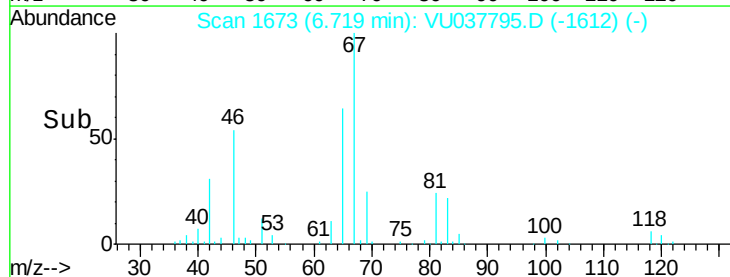
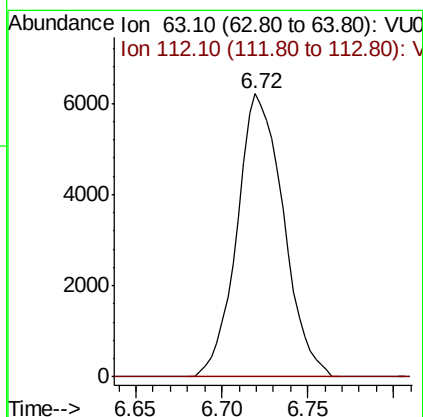
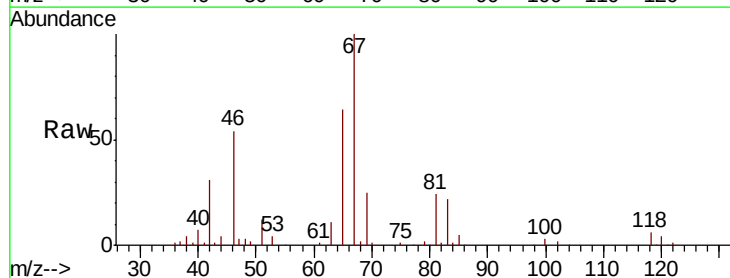
Instrument :
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ClientSampleId :

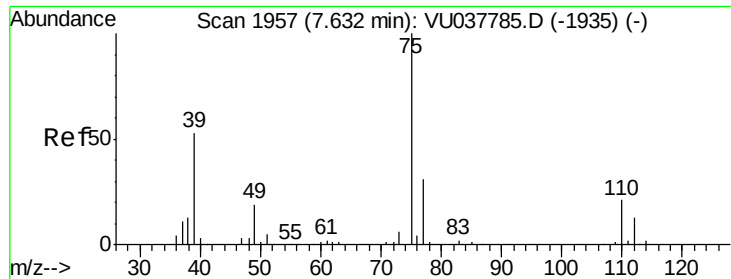
Tot Ion: 83 Resp: 23823
Ion Ratio Lower Upper
83 100
55 0.4 65.5 98.3#
98 1.7 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.521 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU037795.D
Acq: 18 Apr 2020 01:05

Tgt Ion: 63 Resp: 11659
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

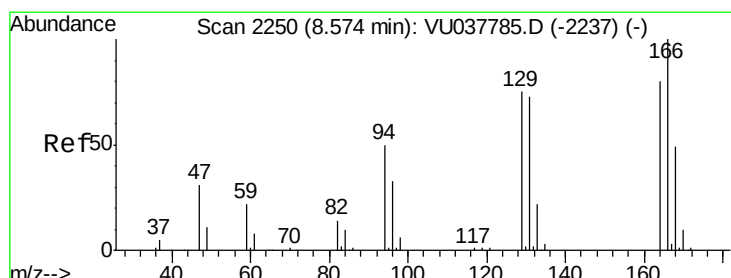
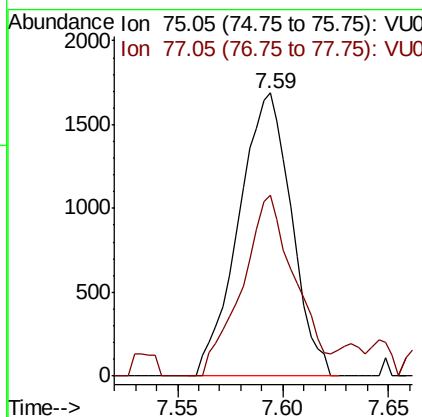
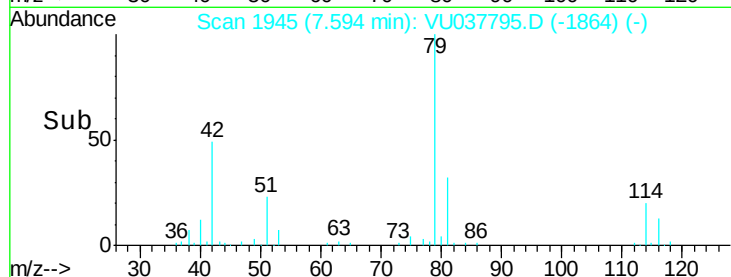
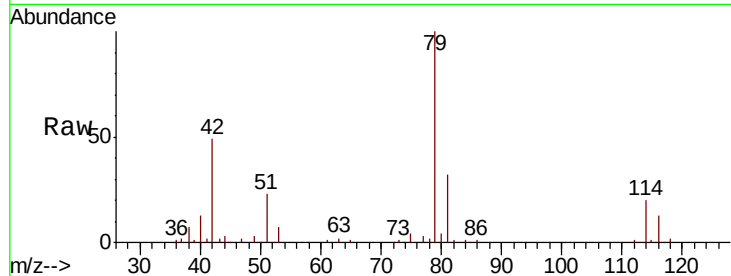




#39
 cis-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.59 min Scan# 1945
 Delta R.T. -0.04 min
 Lab File: VU037795.D
 Acq: 18 Apr 2020 01:05

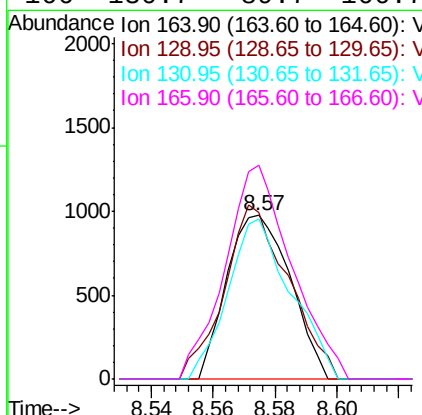
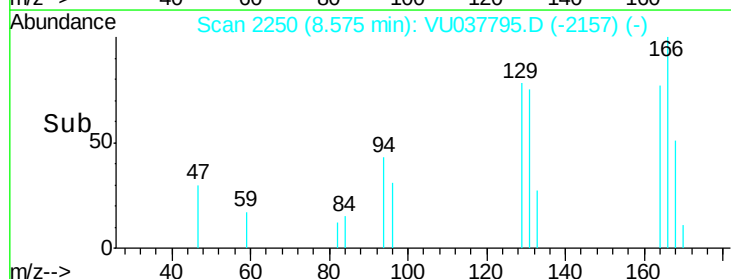
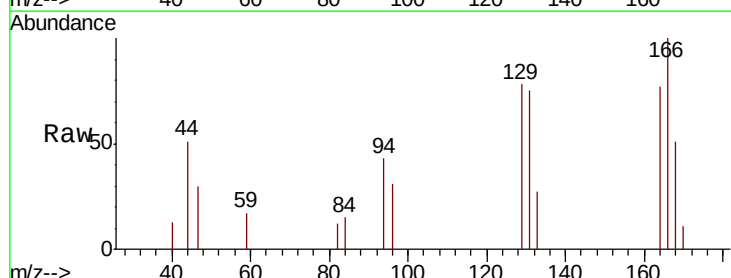
Instrument :
 MSVOA_U
 ClientSampleId :

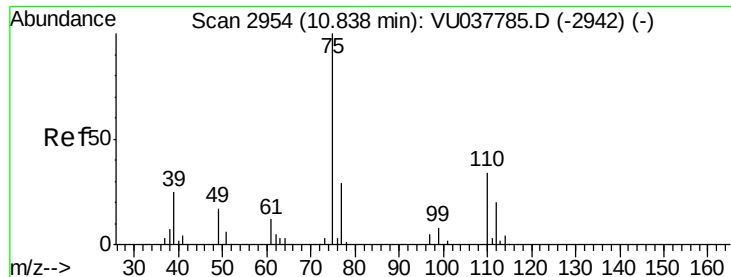
Tot Ion: 75 Resp: 2942
 Ion Ratio Lower Upper
 75 100
 77 63.7 22.2 41.2#



#47
 Tetrachloroethene
 Concen: 0.094 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU037795.D
 Acq: 18 Apr 2020 01:05

Tgt Ion: 164 Resp: 1396
 Ion Ratio Lower Upper
 164 100
 129 102.2 68.1 126.5
 131 98.3 65.9 122.5
 166 130.7 89.7 166.7





#59

1,2,3-Trichloropropane

Concen: 1.252 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.99 min

Lab File: VU037795.D

Acq: 18 Apr 2020 01:05

Instrument :

MSVOA_U

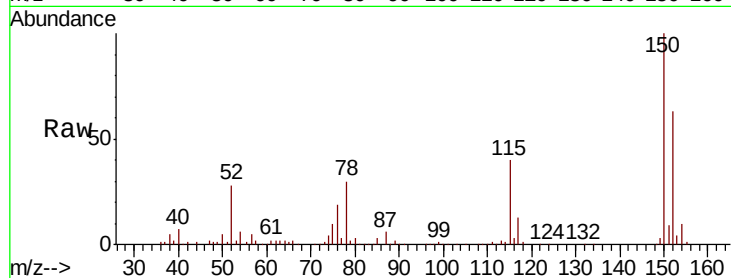
ClientSampleId :

Tot Ion: 75 Resp: 18342

Ion Ratio Lower Upper

75 100

77 36.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

