

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072120\
 Data File : VU039614.D
 Acq On : 21 Jul 2020 21:56
 Operator : SY/MD
 Sample : L3347-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 22 02:08:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR072120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 22 02:01:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	101250	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	95608	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	44017	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	31119	6.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	132.40%#
7) Chloroethane-d5	1.92	69	32344	6.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	126.20%
11) 1,1-Dichloroethene-d2	2.58	63	48335	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.65	46	116652	55.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.06%
24) Chloroform-d	5.08	84	62652	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.72	65	41532	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	5.74	84	125362	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.71	67	41768	5.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.40%
41) Toluene-d8	7.91	98	111253	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	8.19	79	16143	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.64	63	85761	53.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.64%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	35689	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	42993	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.65	43	15766	13.364	ug/L	97
15) Methyl Acetate	2.97	43	2868	0.995	ug/L #	56
16) Methylene chloride	3.06	84	1835	0.265	ug/L	95
21) 2-Butanone	4.73	43	7459	3.650	ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	1139	0.184	ug/L	75
25) Chloroform	5.11	83	6395	0.514	ug/L	89
30) Cyclohexane	5.39	56	662	0.074	ug/L #	19
33) Benzene	5.79	78	5409	0.235	ug/L	100
34) Trichloroethene	6.55	95	1883	0.298	ug/L	83
37) 1,2-Dichloropropane	6.71	63	4946	0.773	ug/L #	90
39) cis-1,3-Dichloropropene	7.58	75	1249	0.136	ug/L #	61
42) Toluene	7.98	91	11321	0.450	ug/L	91
45) 1,1,2-Trichloroethane	8.56	97	1780	0.367	ug/L #	37
47) Tetrachloroethene	8.56	164	155104	35.840	ug/L	95
48) 2-Hexanone	8.69	43	4392	1.189	ug/L #	92
49) Dibromochloromethane	8.56	129	154010	26.096	ug/L #	11
52) Ethylbenzene	9.57	91	7215	0.252	ug/L	95

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 22 02:01:33 2020
Response via : Initial Calibration

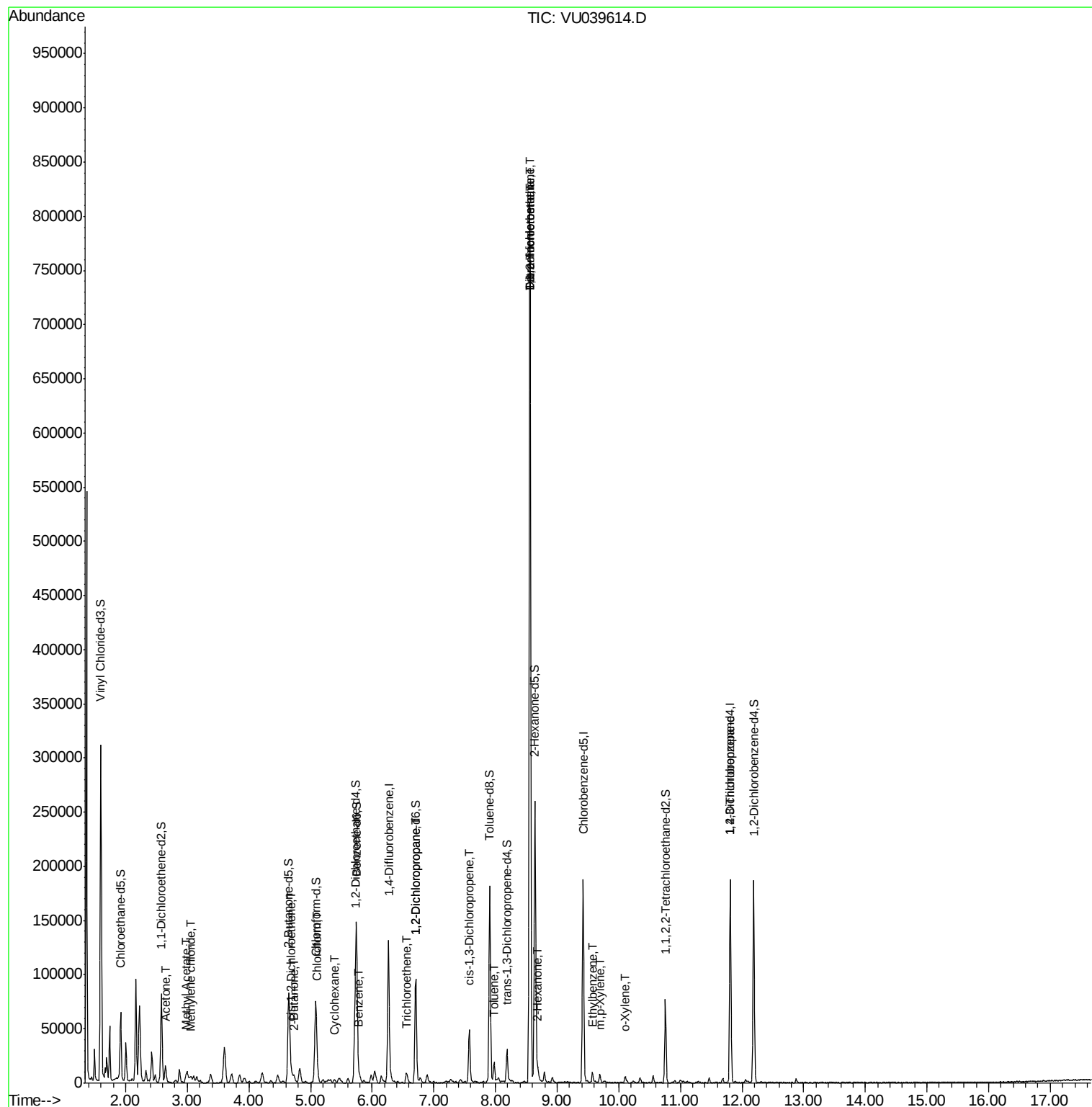
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.70	106	2042	0.191	ug/L	90
54) o-Xylene	10.10	106	1427	0.137	ug/L	82
59) 1,2,3-Trichloropropane	11.81	75	7131	1.520	ug/L #	88

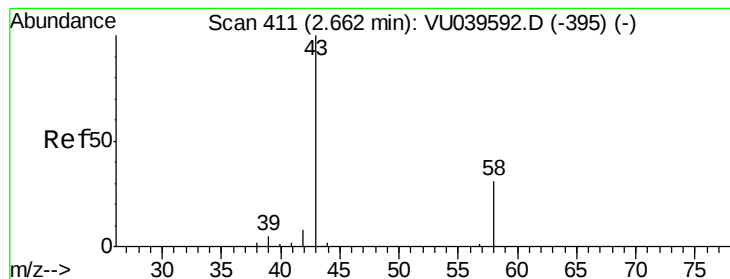
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 13.364 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

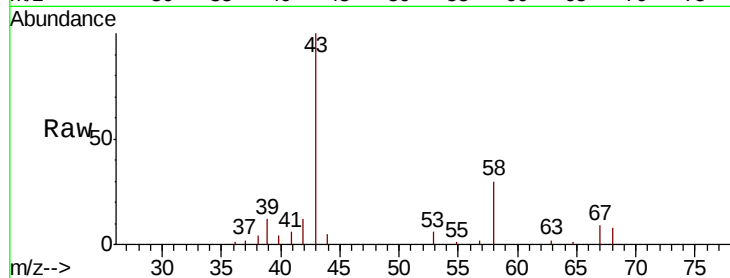
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 15766

Ion Ratio Lower Upper

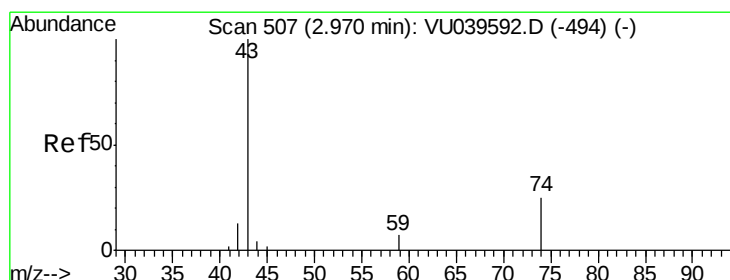
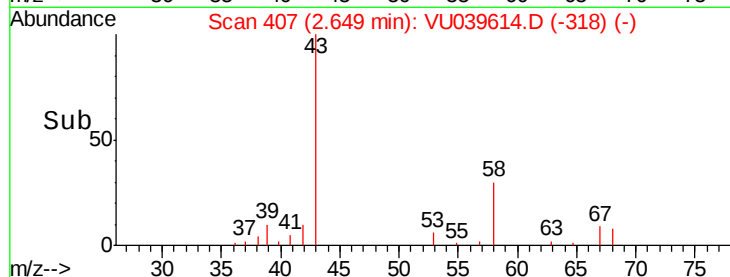
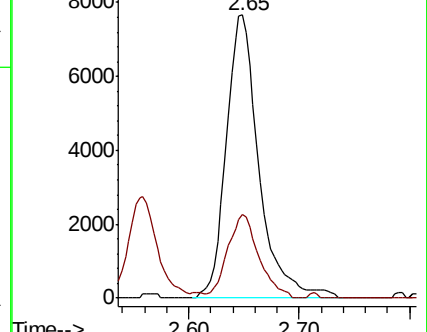
43 100

58 28.1 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VU039614.D (-407) (-)

Ion 58.05 (57.75 to 58.75): VU039614.D (-407) (-)



#15

Methyl Acetate

Concen: 0.995 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU039614.D

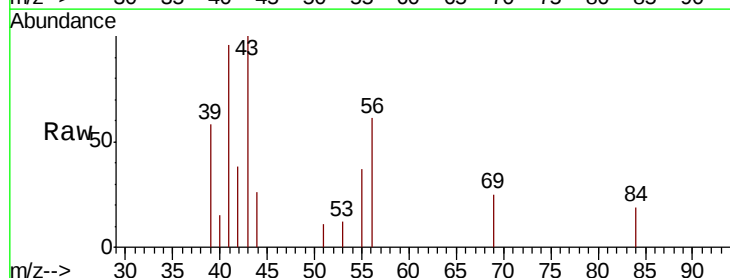
Acq: 21 Jul 2020 21:56

Tgt Ion: 43 Resp: 2868

Ion Ratio Lower Upper

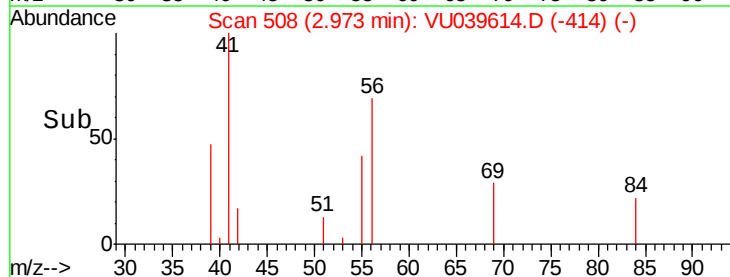
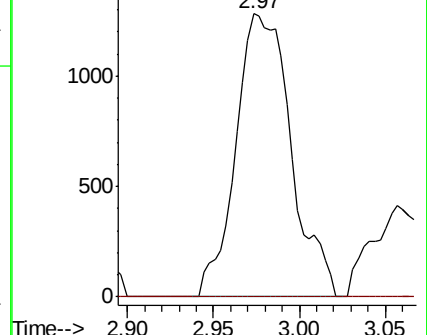
43 100

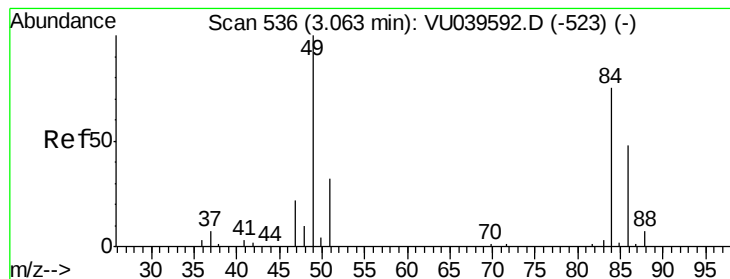
74 0.0 16.6 24.8#



Abundance Ion 43.05 (42.75 to 43.75): VU039614.D (-508) (-)

Ion 74.05 (73.75 to 74.75): VU039614.D (-508) (-)





#16

Methvlene chloride

Concen: 0.265 ug/L

RT: 3.06 min Scan# 536

Delta R.T. -0.00 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

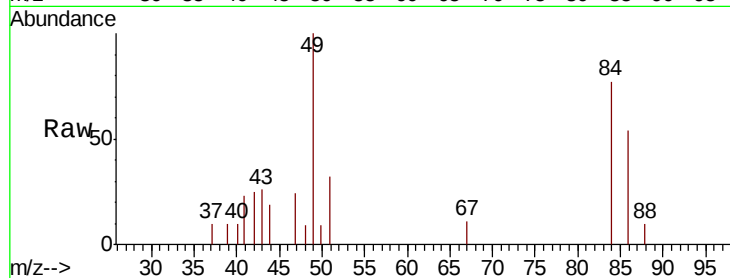
Tot Ion: 84 Resp: 1835

Ion Ratio Lower Upper

84 100

86 69.9 43.8 81.4

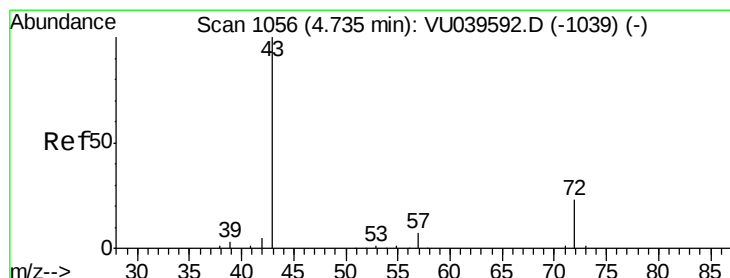
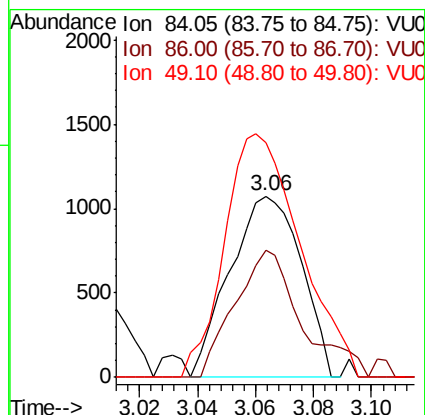
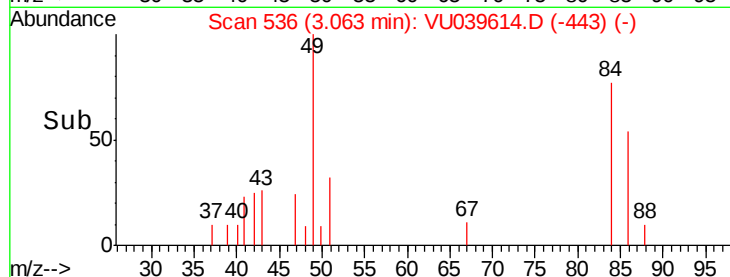
49 129.5 92.7 172.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#21

2-Butanone

Concen: 3.650 ug/L

RT: 4.73 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VU039614.D

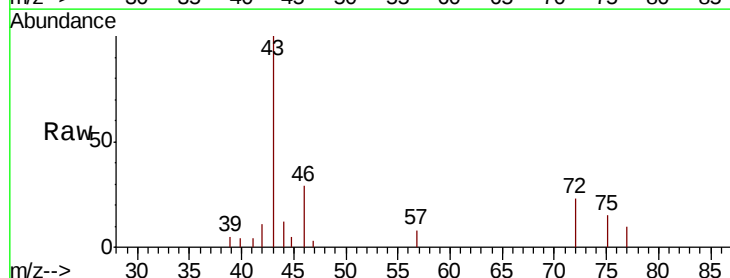
Acq: 21 Jul 2020 21:56

Tgt Ion: 43 Resp: 7459

Ion Ratio Lower Upper

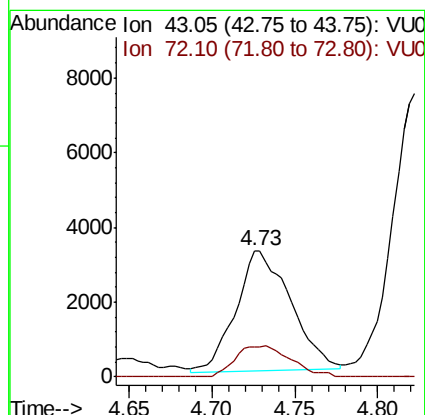
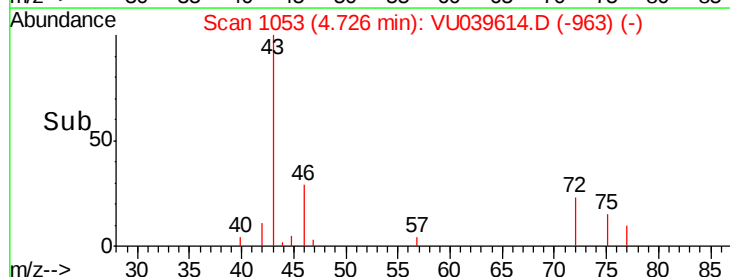
43 100

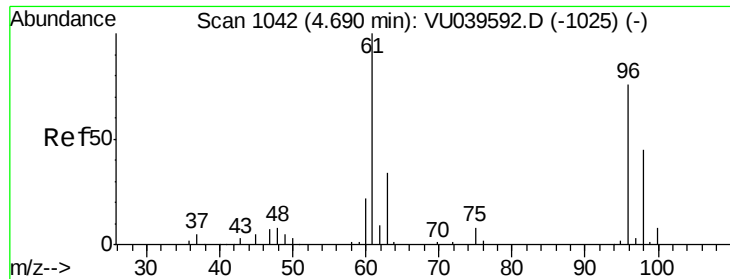
72 25.7 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.184 ug/L

RT: 4.69 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

Instrument :

MSVOA_U

ClientSampled :

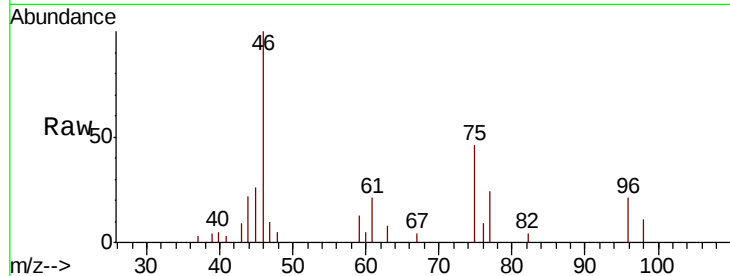
Tot Ion: 96 Resp: 1139

Ion Ratio Lower Upper

96 100

61 103.3 93.0 172.8

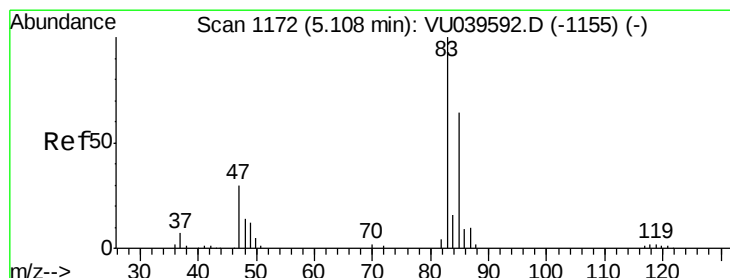
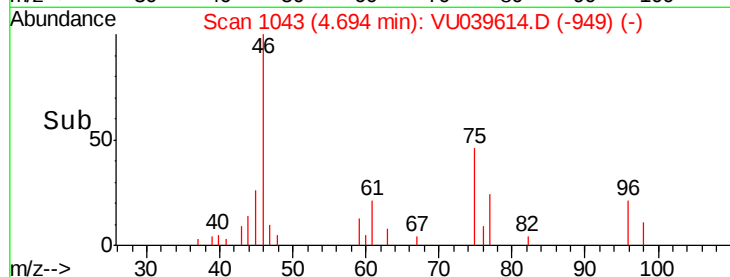
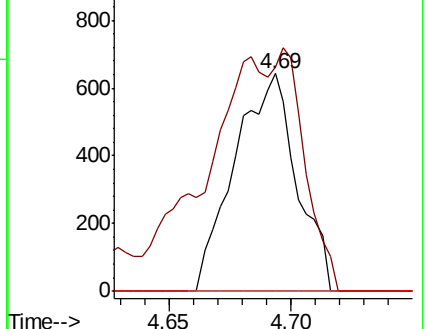
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039614.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039614.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039614.D (-949) (-)



#25

Chloroform

Concen: 0.514 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VU039614.D

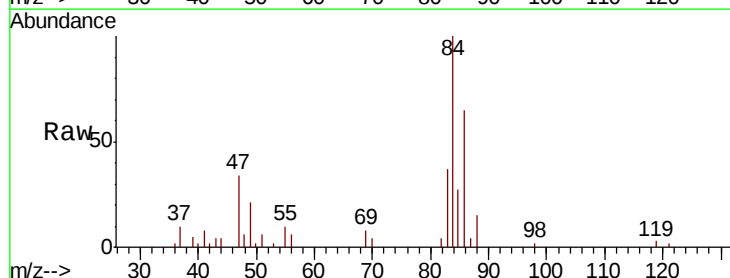
Acq: 21 Jul 2020 21:56

Tgt Ion: 83 Resp: 6395

Ion Ratio Lower Upper

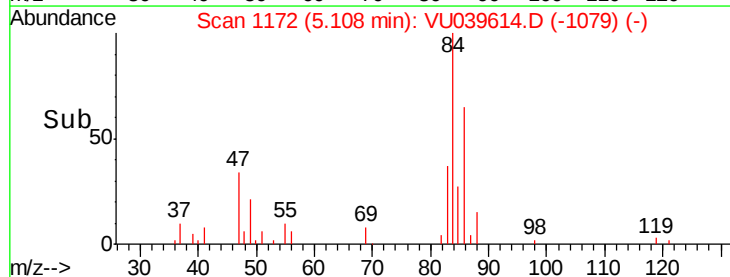
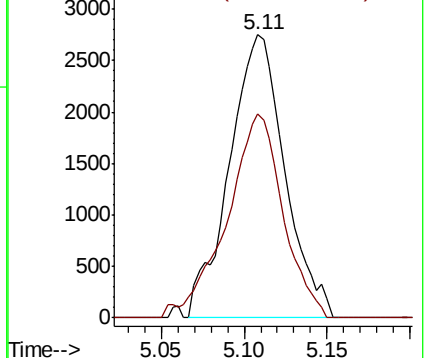
83 100

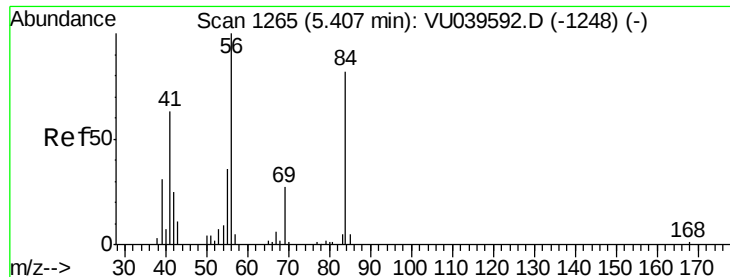
85 72.2 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VU039614.D (-1079) (-)

Ion 85.00 (84.70 to 85.70): VU039614.D (-1079) (-)

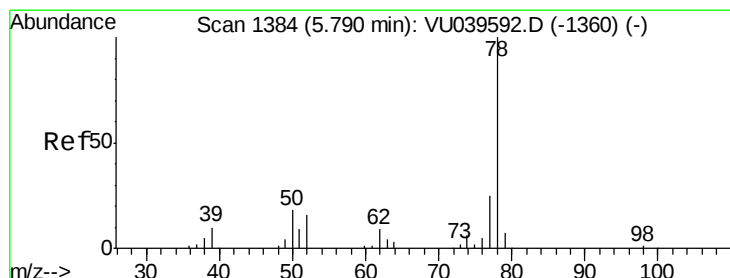
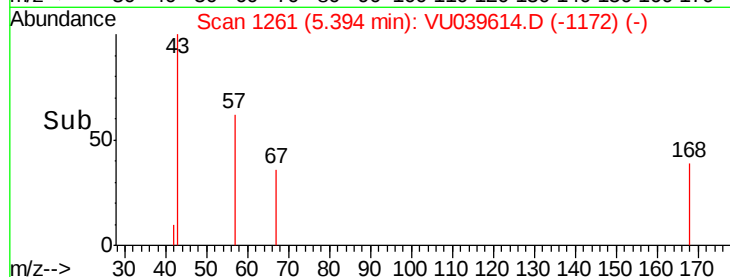
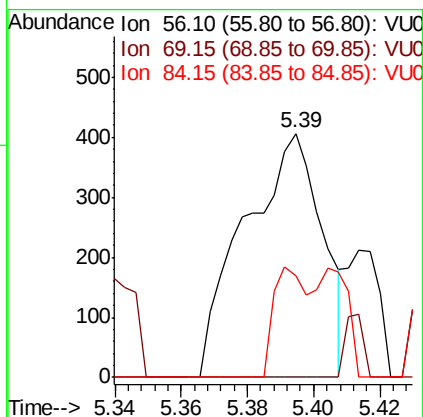
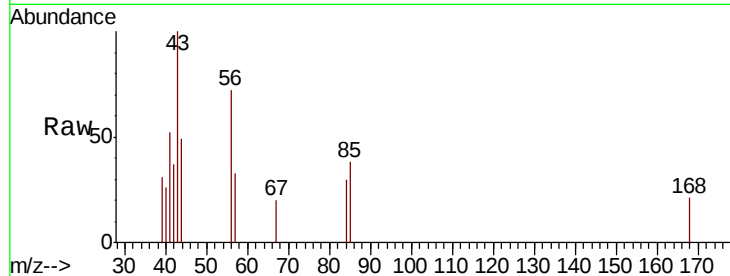




#30
Cyclohexane
Concen: 0.074 ug/L
RT: 5.39 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

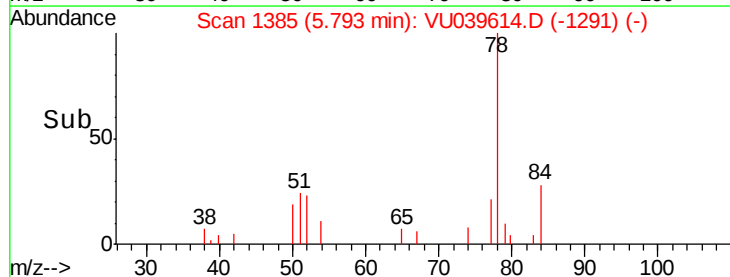
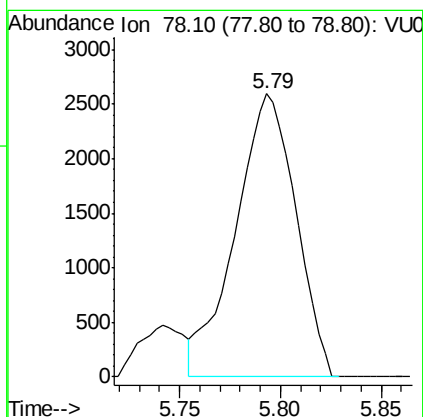
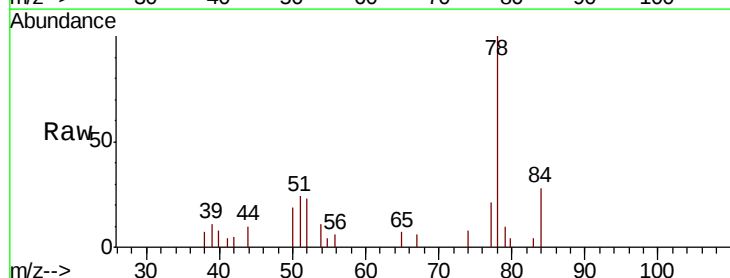
Instrument :
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ClientSampleId :

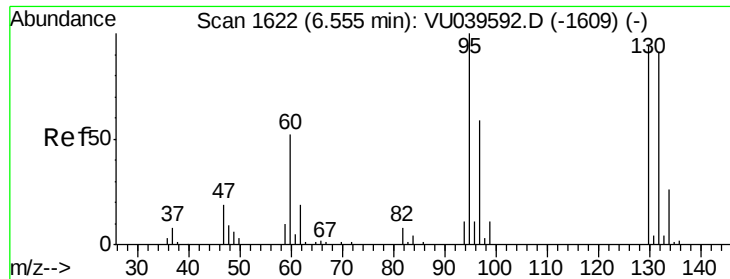
Tot Ion: 56 Resp: 662
Ion Ratio Lower Upper
56 100
69 6.0 24.0 36.0#
84 0.0 69.8 104.6#



#33
Benzene
Concen: 0.235 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

Tgt Ion: 78 Resp: 5409

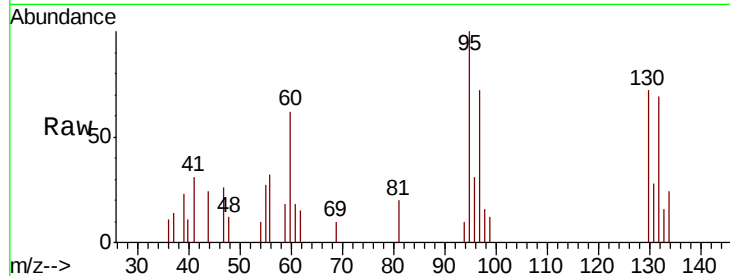




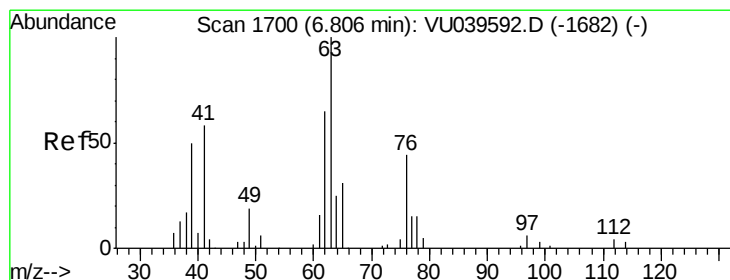
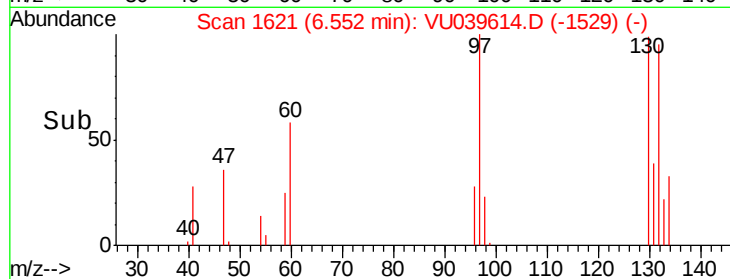
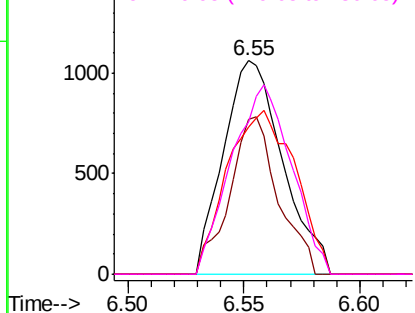
#34
 Trichloroethene
 Concen: 0.298 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU039614.D
 Acq: 21 Jul 2020 21:56

Instrument :
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Tot Ion: 95 Resp: 1883
 Ion Ratio Lower Upper
 95 100
 97 72.3 44.9 83.3
 132 69.0 62.8 116.6
 130 71.6 61.5 114.1

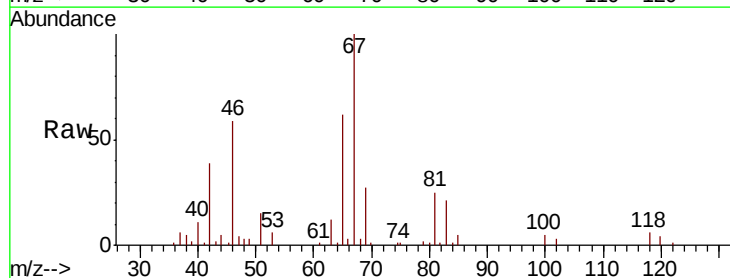


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

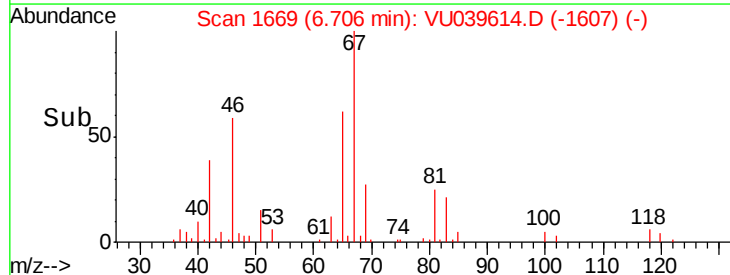
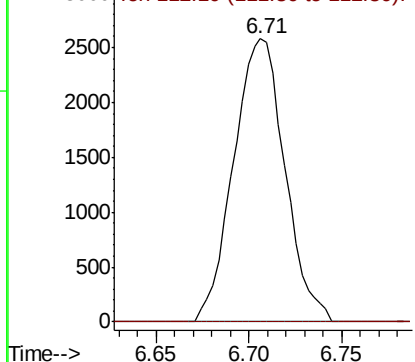


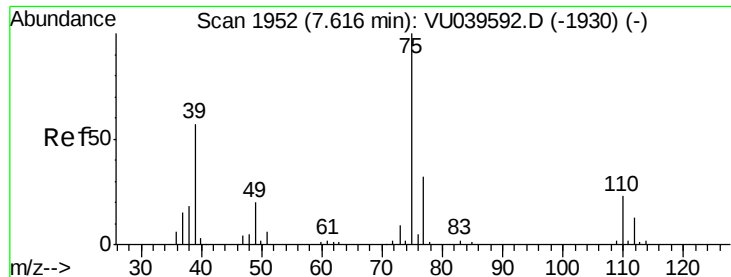
#37
 1,2-Dichloropropane
 Concen: 0.773 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.10 min
 Lab File: VU039614.D
 Acq: 21 Jul 2020 21:56

Tgt Ion: 63 Resp: 4946
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 112.10 (111.80 to 112.80): V

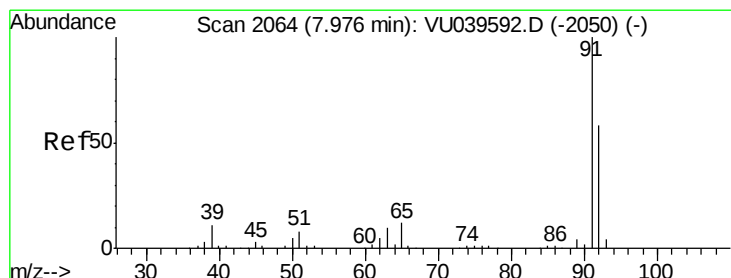
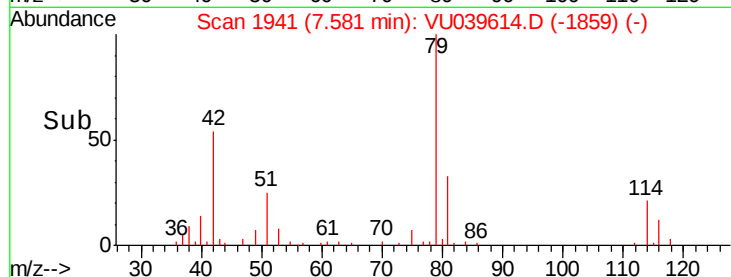
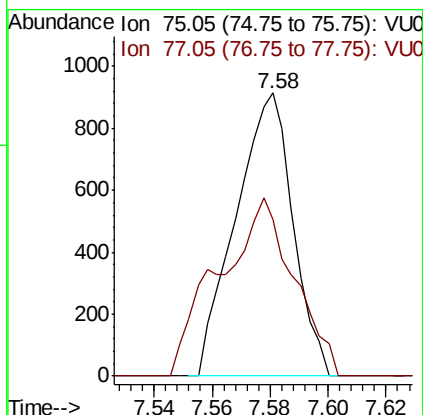
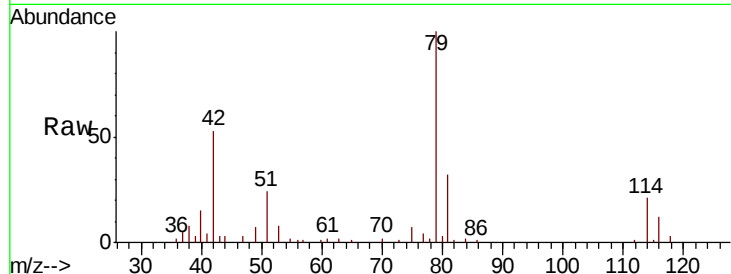




#39
 cis-1,3-Dichloropropene
 Concen: 0.136 ug/L
 RT: 7.58 min Scan# 1941
 Delta R.T. -0.04 min
 Lab File: VU039614.D
 Acq: 21 Jul 2020 21:56

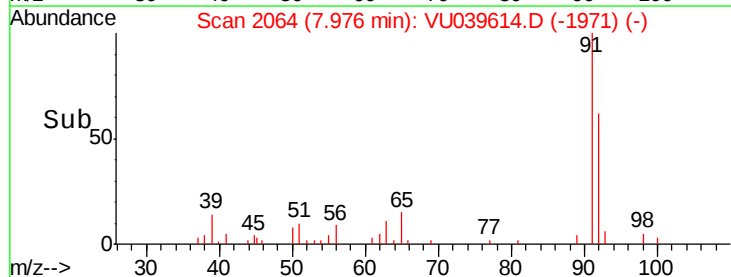
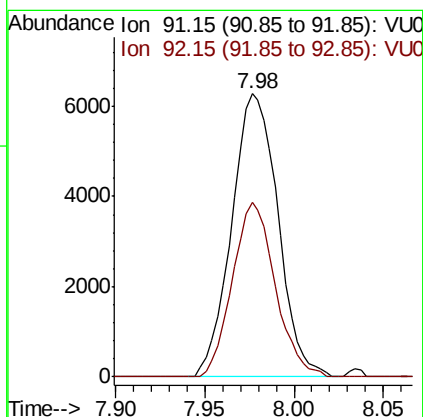
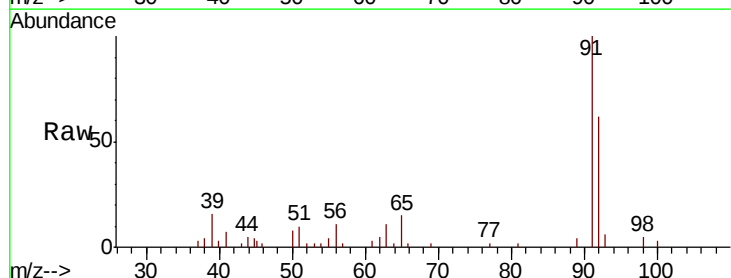
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 MSVOA_U
 ClientSampled :

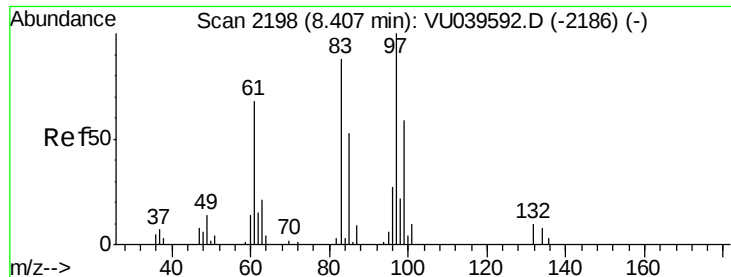
Tot Ion: 75 Resp: 1249
 Ion Ratio Lower Upper
 75 100
 77 55.3 23.2 43.0#



#42
 Toluene
 Concen: 0.450 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VU039614.D
 Acq: 21 Jul 2020 21:56

Tgt Ion: 91 Resp: 11321
 Ion Ratio Lower Upper
 91 100
 92 61.7 38.6 71.6





#45

1,1,2-Trichloroethane

Concen: 0.367 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.15 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 1780

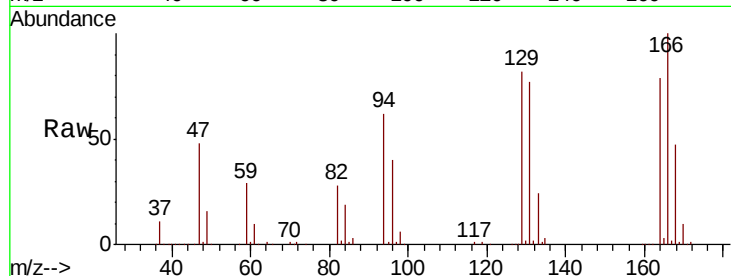
Ion Ratio Lower Upper

97 100

99 15.2 45.2 84.0#

83 186.2 64.9 120.5#

85 52.2 41.4 77.0

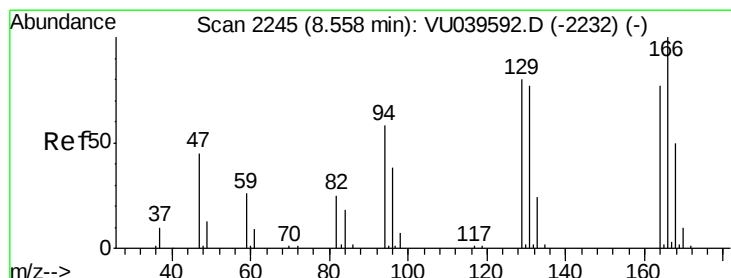
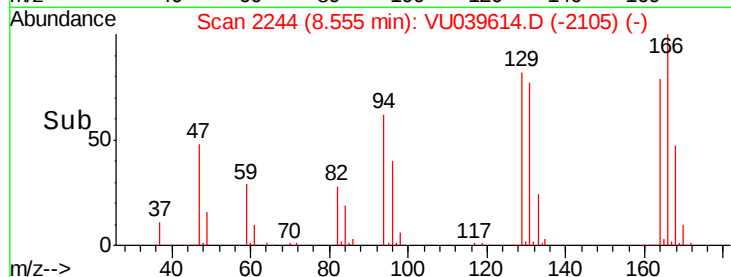
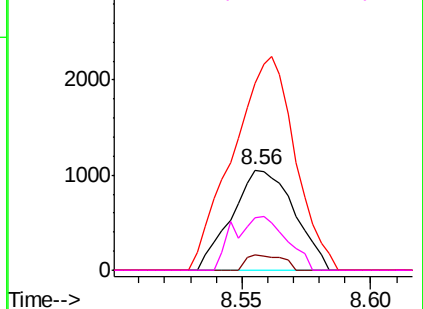


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 35.840 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

Tgt Ion:164 Resp: 155104

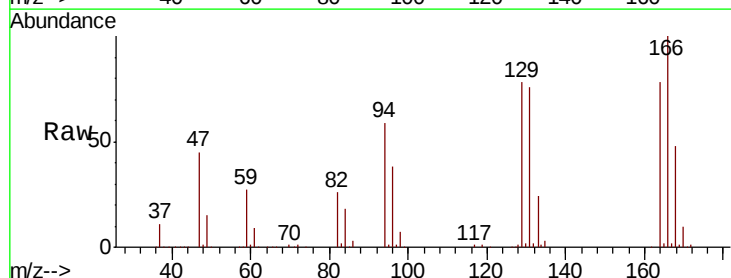
Ion Ratio Lower Upper

164 100

129 99.7 67.9 126.1

131 97.1 64.7 120.1

166 127.9 85.1 158.1

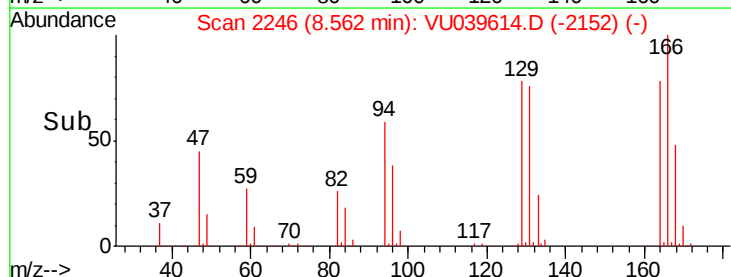
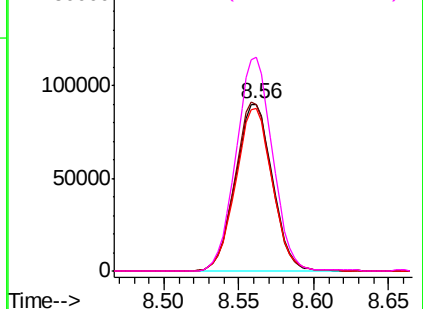


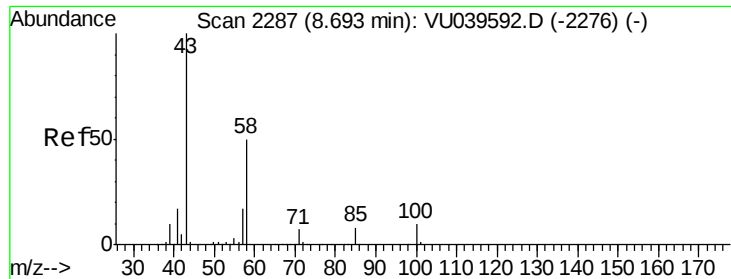
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

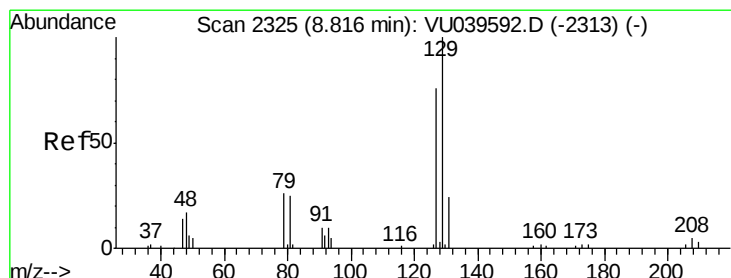
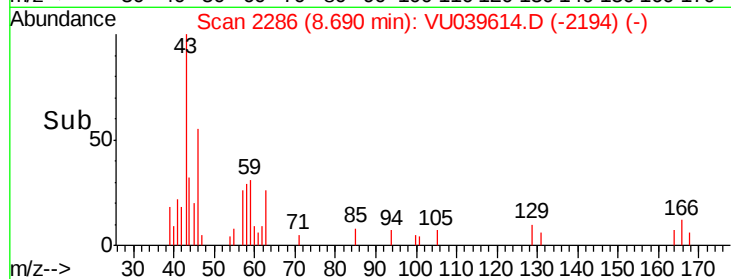
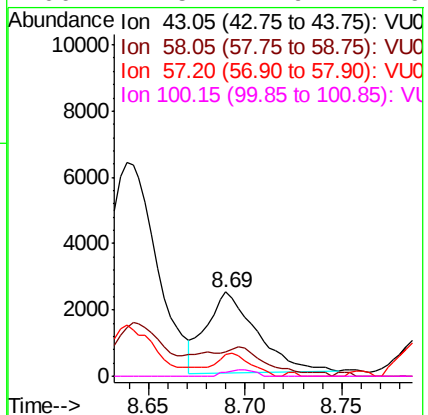
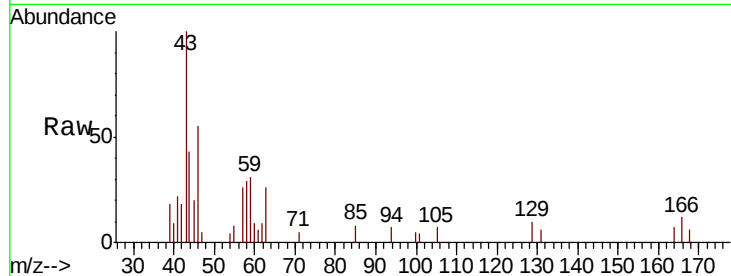




#48
2-Hexanone
Concen: 1.189 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

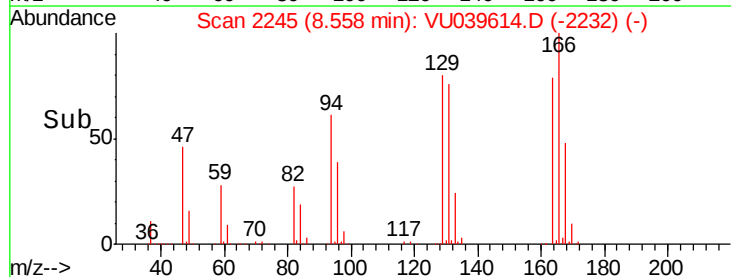
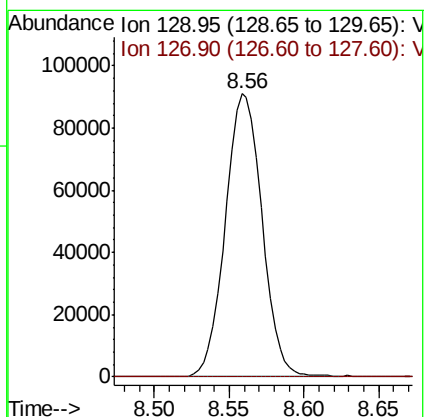
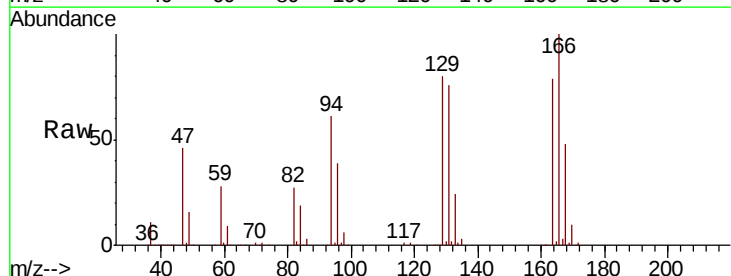
Instrument :
MSVOA_U
ClientSampleId :

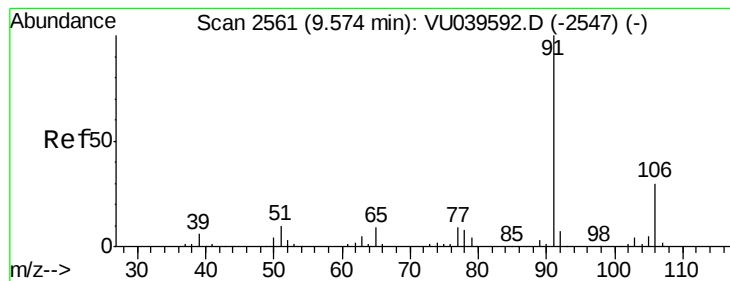
Tot Ion: 43 Resp: 4392
Ion Ratio Lower Upper
43 100
58 45.3 40.9 61.3
57 20.1 14.6 21.8
100 4.5 7.9 11.9#



#49
Dibromochloromethane
Concen: 26.096 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

Tgt Ion: 129 Resp: 154010
Ion Ratio Lower Upper
129 100
127 0.3 53.8 99.8#





#52

Ethylbenzene

Concen: 0.252 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039614.D

Acq: 21 Jul 2020 21:56

Instrument :

MSVOA_U

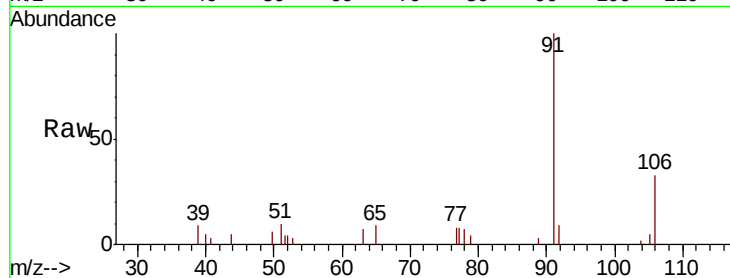
ClientSampleId :

Tot Ion: 91 Resp: 7215

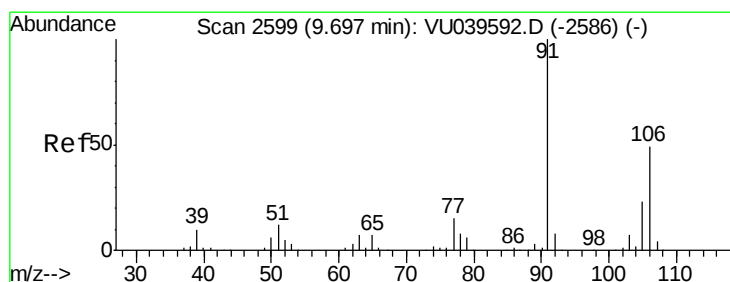
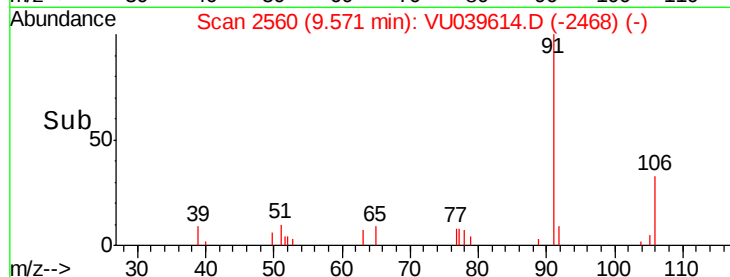
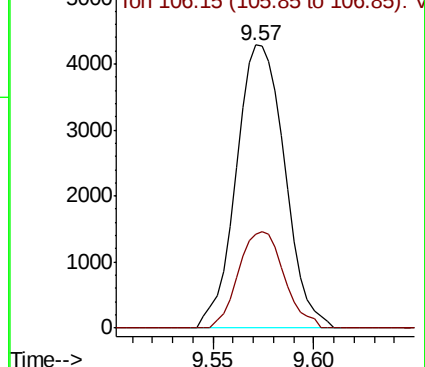
Ion Ratio Lower Upper

91 100

106 33.3 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039592.D (-2547) (-)



#53

m,p-Xylene

Concen: 0.191 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039614.D

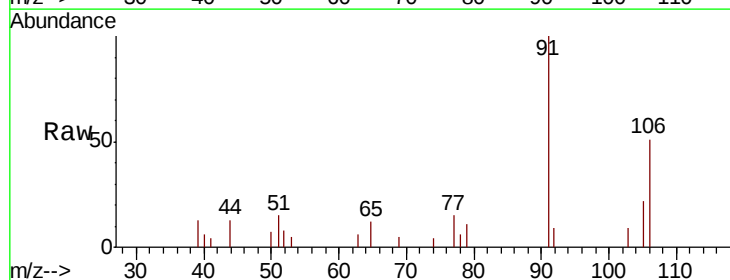
Acq: 21 Jul 2020 21:56

Tgt Ion: 106 Resp: 2042

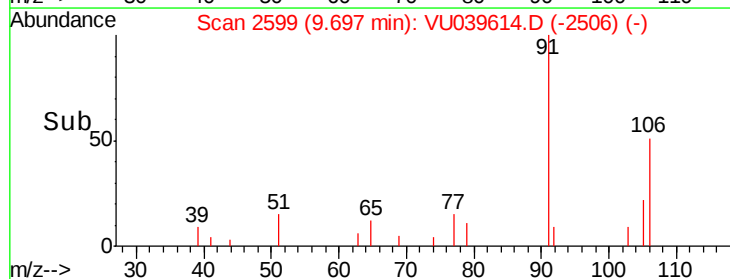
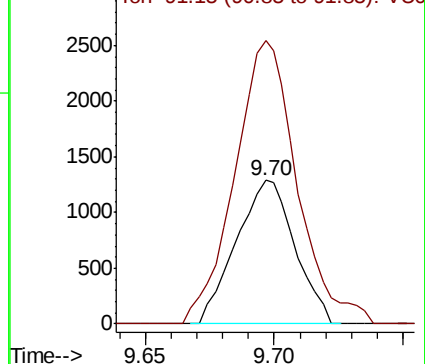
Ion Ratio Lower Upper

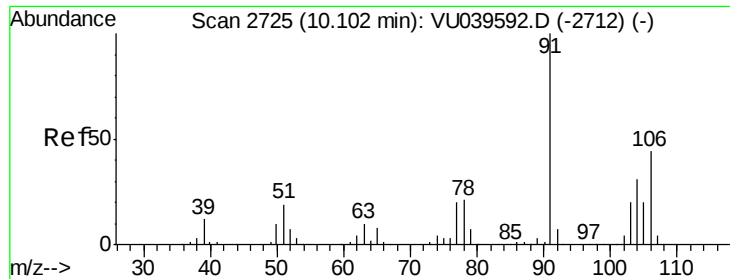
106 100

91 197.1 149.3 277.3



Abundance Ion 106.15 (105.85 to 106.85): VU039592.D (-2586) (-)

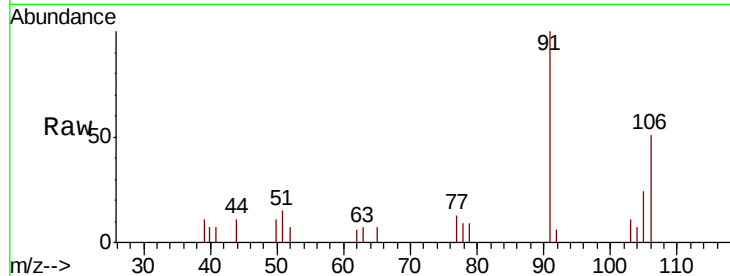




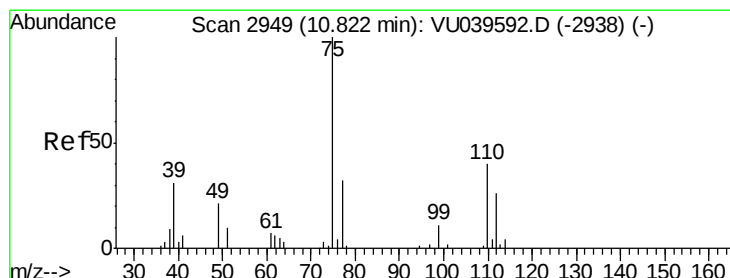
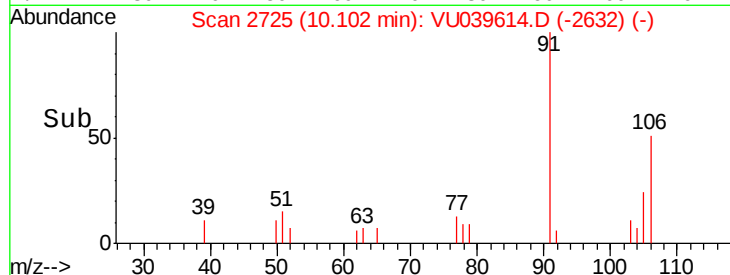
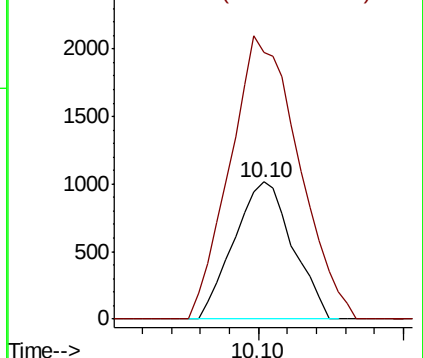
#54
o-Xylene
Concen: 0.137 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 1427
Ion Ratio Lower Upper
106 100
91 194.9 157.4 292.4

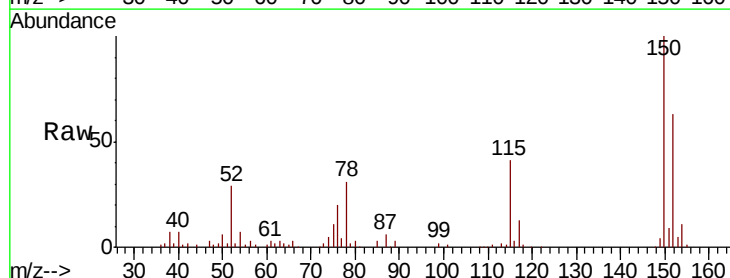


Abundance Ion 106.15 (105.85 to 106.85): VU039614.D (-2632) (-)
Ion 91.15 (90.85 to 91.85): VU039614.D (-2632) (-)



#59
1,2,3-Trichloropropane
Concen: 1.520 ug/L
RT: 11.81 min Scan# 3256
Delta R.T. 0.99 min
Lab File: VU039614.D
Acq: 21 Jul 2020 21:56

Tgt Ion: 75 Resp: 7131
Ion Ratio Lower Upper
75 100
77 38.5 25.5 38.3#



Abundance Ion 75.00 (74.70 to 75.70): VU039614.D (-2327) (-)
Ion 77.00 (76.70 to 77.70): VU039614.D (-2327) (-)

