

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080820\
 Data File : VU039807.D
 Acq On : 08 Aug 2020 13:19
 Operator : SY/MD
 Sample : L3590-20
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 10 01:20:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 10 01:16:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	67923	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67018	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	31780	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	14627	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	1.92	69	16730	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.40%
11) 1,1-Dichloroethene-d2	2.58	63	21036	2.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.00%#
20) 2-Butanone-d5	4.66	46	96673	59.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.86%
24) Chloroform-d	5.08	84	42125	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.72	65	27643	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.74	84	74520	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	27126	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	55130	3.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.00%
43) trans-1,3-Dichloropropene-	8.19	79	9560	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	65097	57.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.92%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27215	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	28463	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	534	0.093 ug/L	92
5) Vinyl chloride	1.61	62	621	0.112 ug/L #	40
8) Chloroethane	2.13	64	605	0.149 ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	599	0.129 ug/L #	30
12) 1,1-Dichloroethene	2.59	96	528	0.130 ug/L #	1
14) Carbon disulfide	2.81	76	1290	0.102 ug/L #	81
16) Methylene chloride	3.06	84	2145	0.328 ug/L	93
25) Chloroform	5.11	83	1689	0.189 ug/L	79
29) 1,1,1-Trichloroethane	5.33	97	526	0.070 ug/L #	75
30) Cyclohexane	5.40	56	549	0.076 ug/L #	50
33) Benzene	5.79	78	1520	0.083 ug/L	100
38) Bromodichloromethane	7.11	83	433	0.068 ug/L #	92
39) cis-1,3-Dichloropropene	7.57	75	679	0.103 ug/L	92
51) Chlorobenzene	9.45	112	1053	0.082 ug/L #	85
59) 1,2,3-Trichloropropane	11.81	75	4795	1.371 ug/L	96
62) 1,3-Dichlorobenzene	11.75	146	670	0.072 ug/L #	76
63) 1,4-Dichlorobenzene	11.83	146	911	0.093 ug/L #	77

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QLast Update : Mon Aug 10 01:16:49 2020
Response via : Initial Calibration

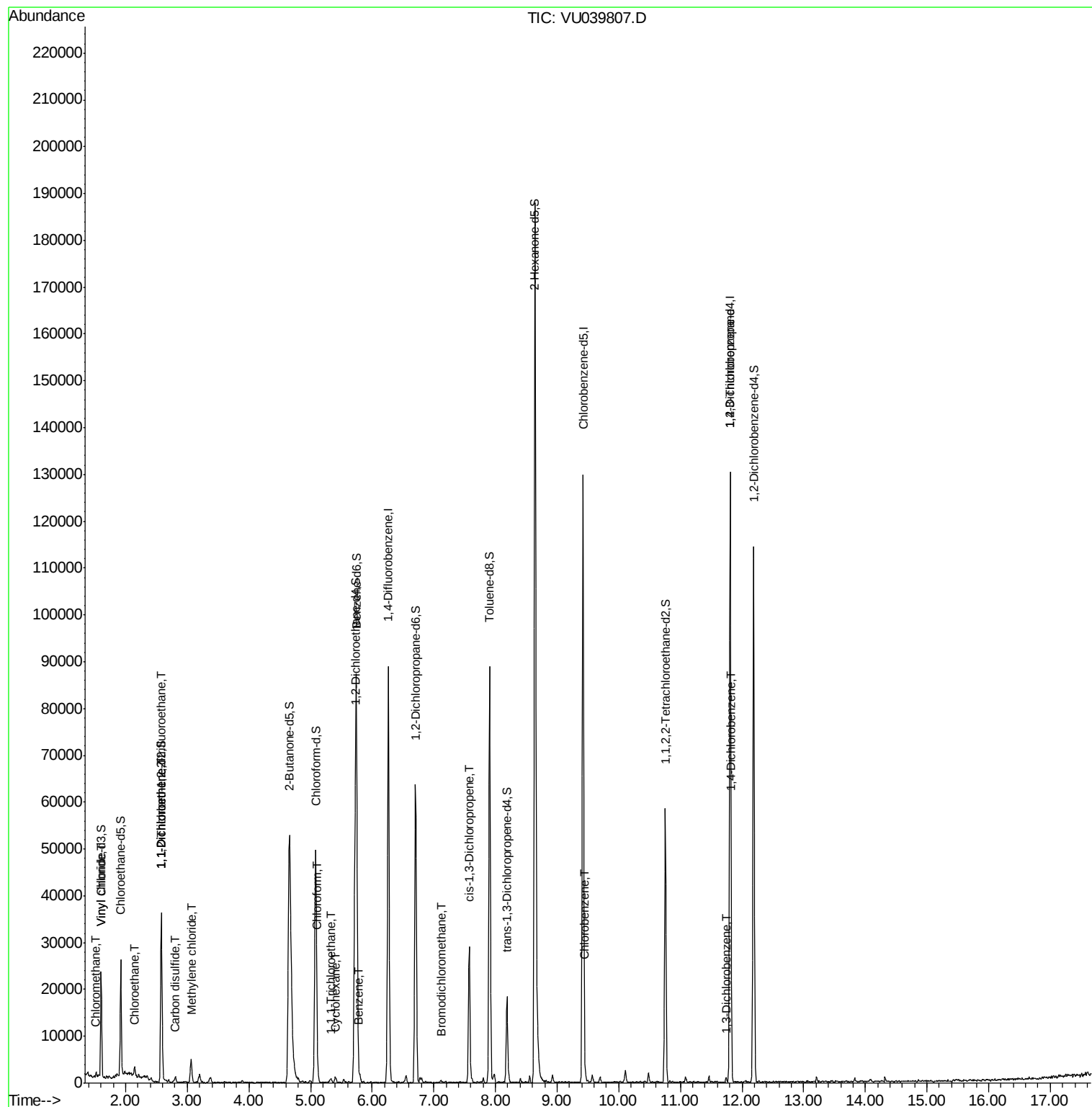
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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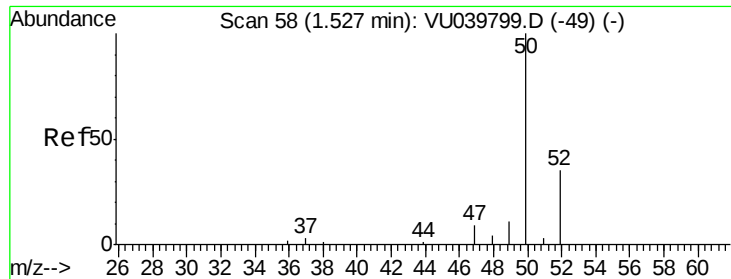
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.093 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039807.D

Acq: 08 Aug 2020 13:19

Instrument :

MSVOA_U

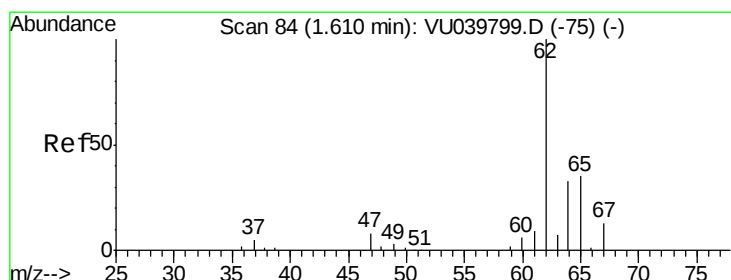
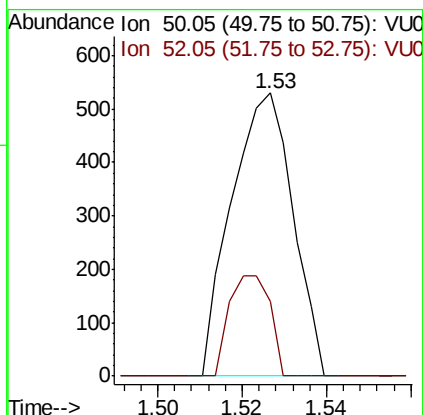
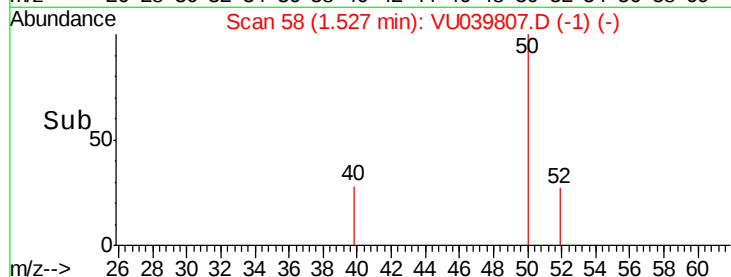
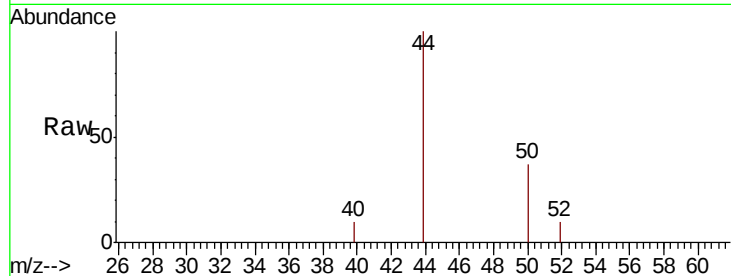
ClientSampled :

Tot Ion: 50 Resp: 534

Ion Ratio Lower Upper

50 100

52 26.6 21.6 40.0



#5

Vinyl chloride

Concen: 0.112 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039807.D

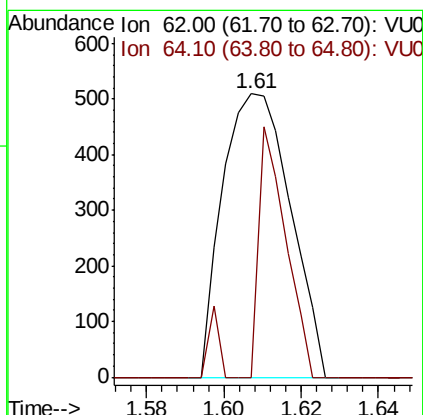
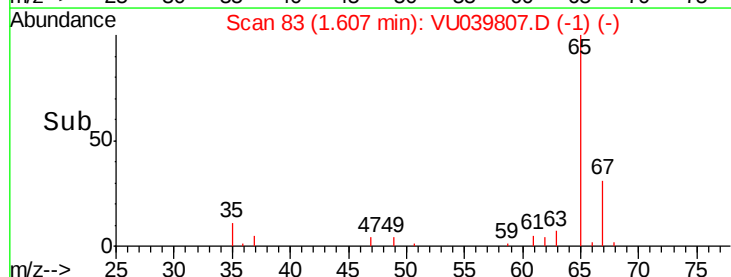
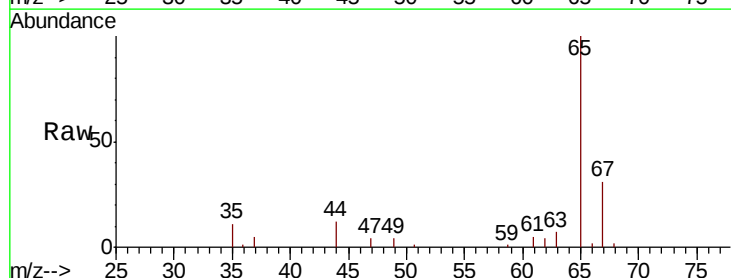
Acq: 08 Aug 2020 13:19

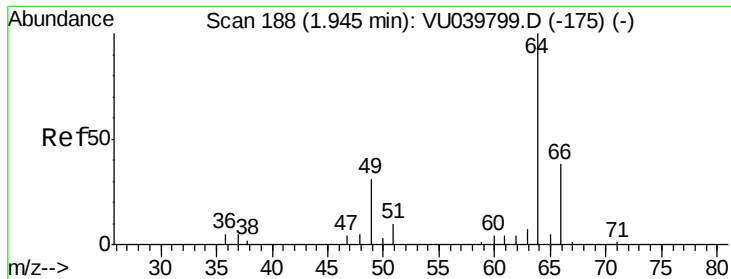
Tgt Ion: 62 Resp: 621

Ion Ratio Lower Upper

62 100

64 0.0 24.1 44.7#

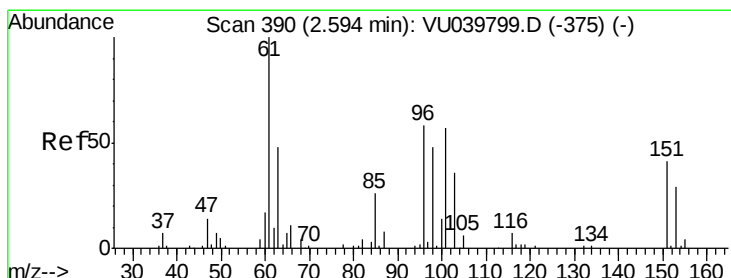
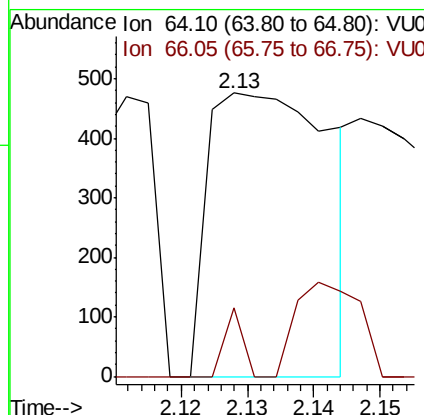
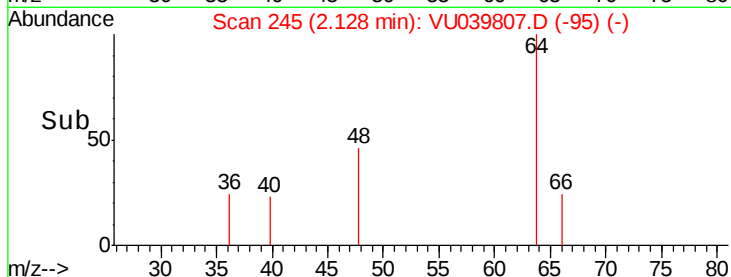
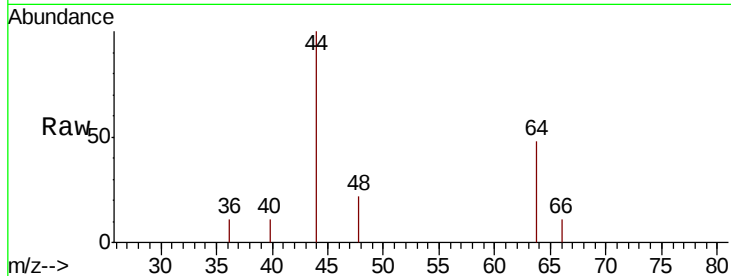




#8
 Chloroethane
 Concen: 0.149 ug/L
 RT: 2.13 min Scan# 245
 Delta R.T. 0.18 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

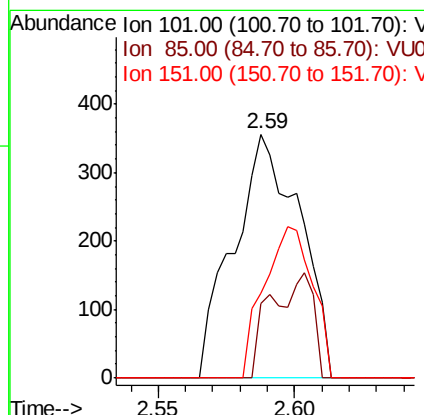
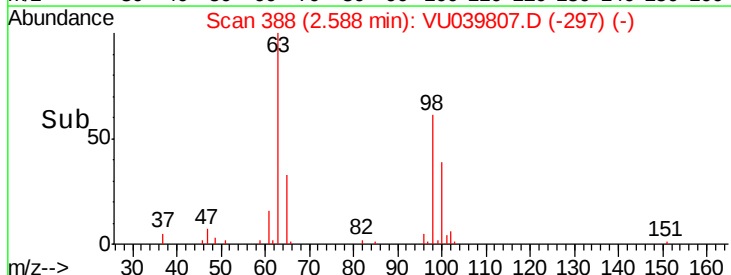
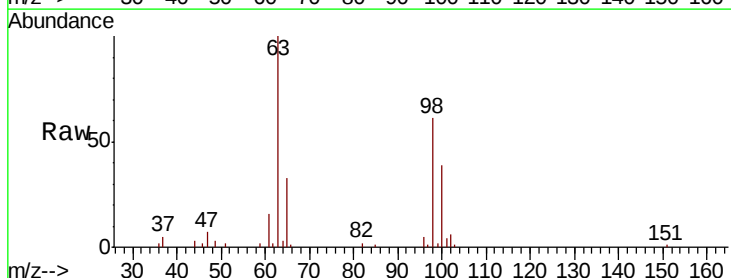
Instrument :
 MSVOA_U
 ClientSampled :

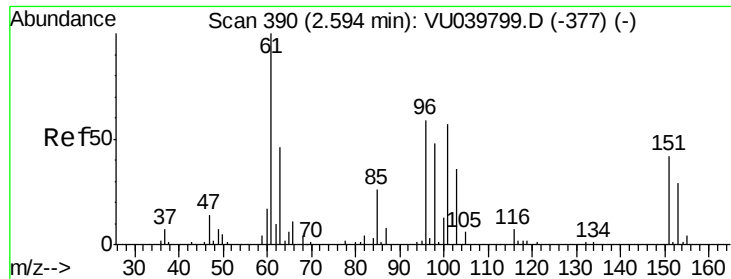
Tot Ion: 64 Resp: 605
 Ion Ratio Lower Upper
 64 100
 66 24.2 22.3 41.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.129 ug/L
 RT: 2.59 min Scan# 388
 Delta R.T. -0.01 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

Tgt Ion: 101 Resp: 599
 Ion Ratio Lower Upper
 101 100
 85 14.2 37.9 56.9#
 151 0.0 54.7 82.1#





#12

1,1-Dichloroethene

Concen: 0.130 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039807.D

Acq: 08 Aug 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

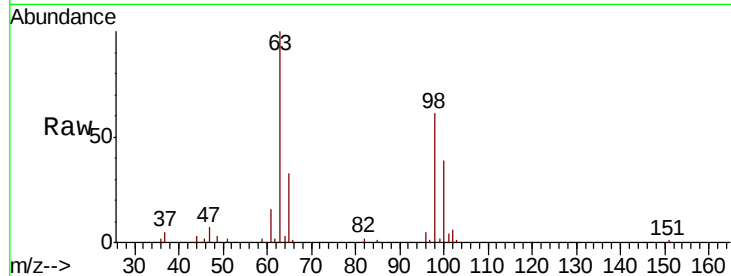
Tot Ion: 96 Resp: 528

Ion Ratio Lower Upper

96 100

61 340.8 121.7 225.9#

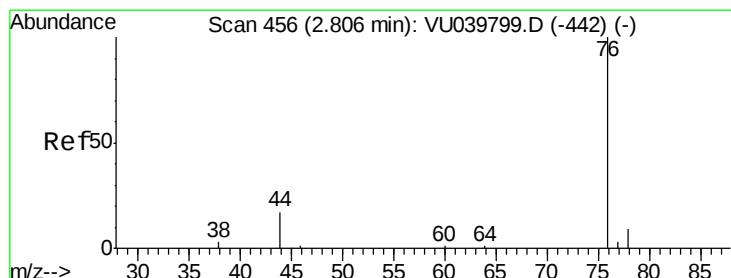
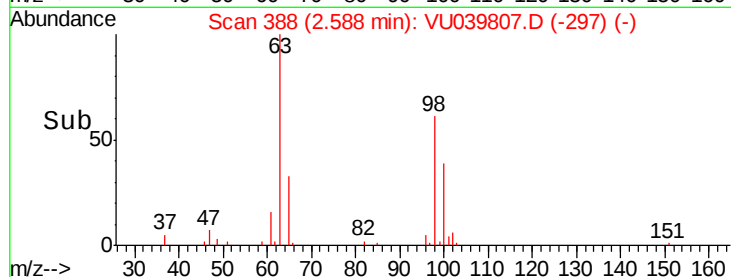
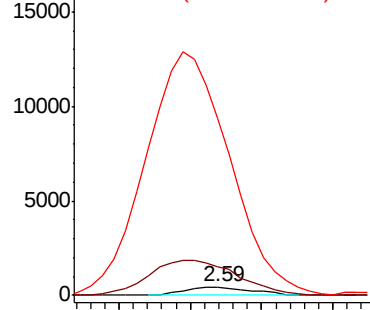
63 2096.7 82.1 152.5#



Abundance Ion 96.00 (95.70 to 96.70): VU039799.D (-377) (-)

Ion 61.05 (60.75 to 61.75): VU039799.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VU039799.D (-377) (-)



#14

Carbon disulfide

Concen: 0.102 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU039807.D

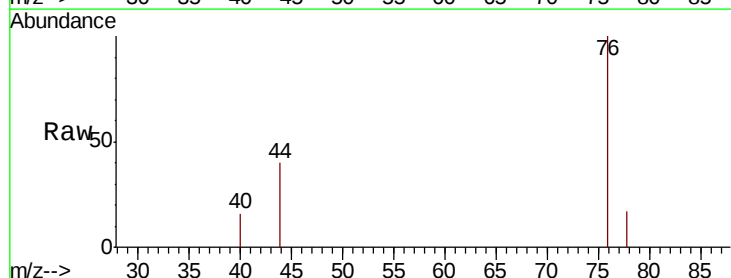
Acq: 08 Aug 2020 13:19

Tgt Ion: 76 Resp: 1290

Ion Ratio Lower Upper

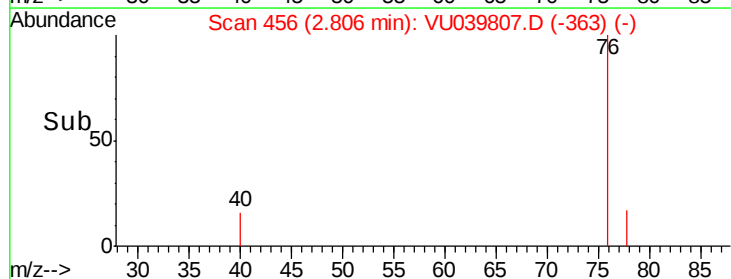
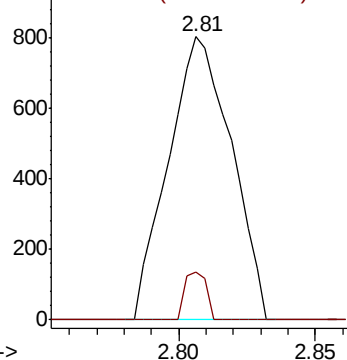
76 100

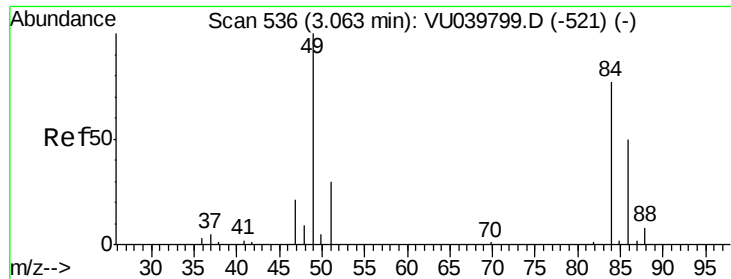
78 16.8 7.8 11.6#



Abundance Ion 76.05 (75.75 to 76.75): VU039799.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU039799.D (-442) (-)

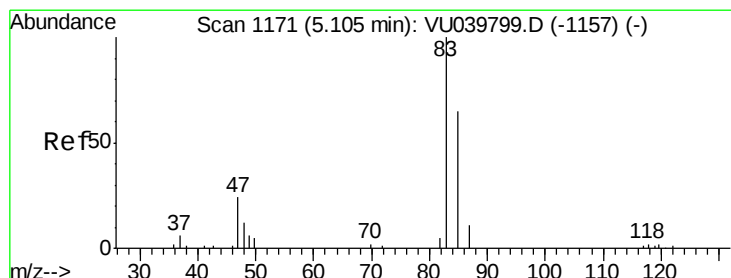
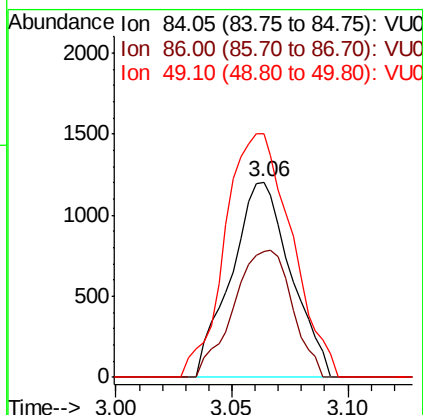
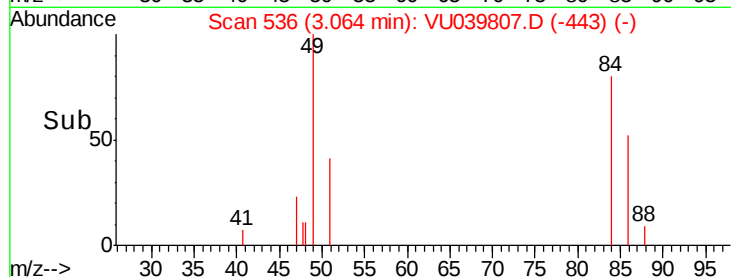
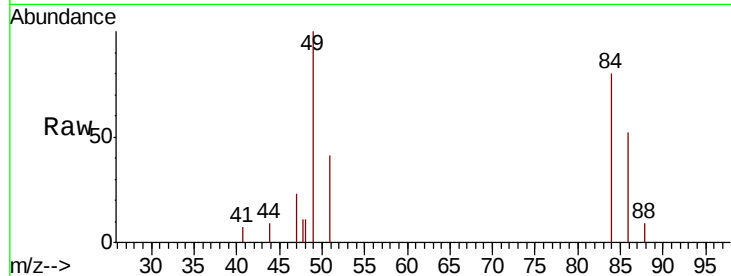




#16
Methvlene chloride
Concen: 0.328 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039807.D
Acq: 08 Aug 2020 13:19

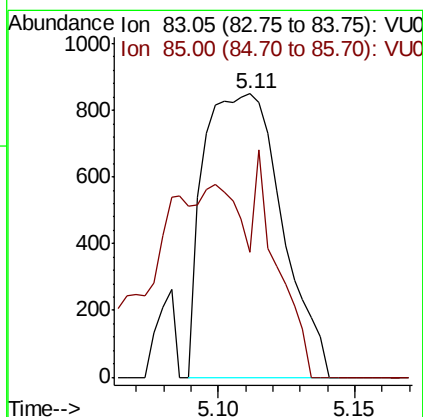
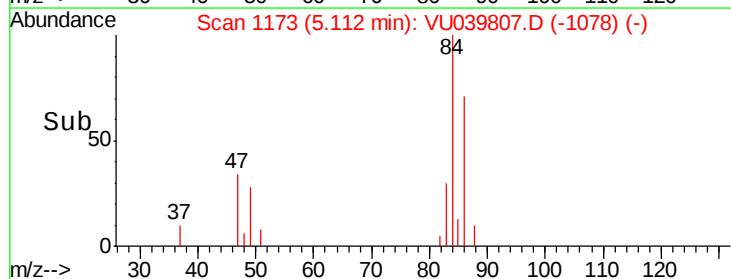
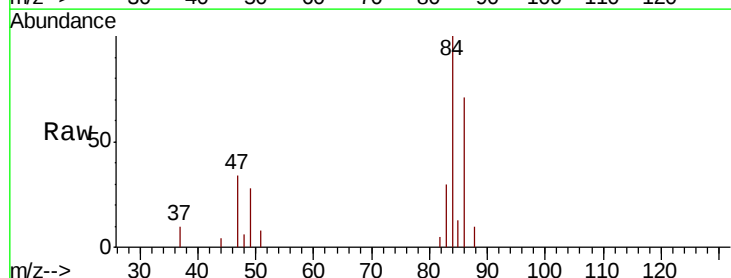
Instrument :
MSVOA_U
ClientSampled :

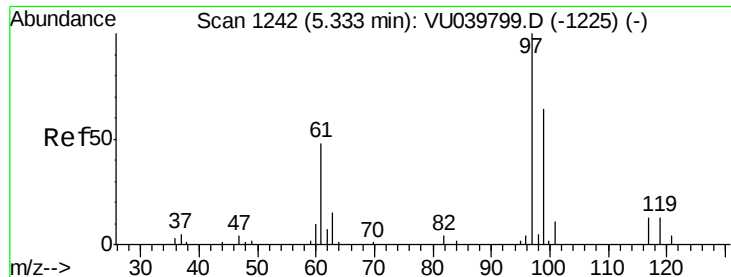
Tot Ion: 84 Resp: 2145
Ion Ratio Lower Upper
84 100
86 64.4 43.9 81.5
49 124.4 94.4 175.4



#25
Chloroform
Concen: 0.189 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU039807.D
Acq: 08 Aug 2020 13:19

Tgt Ion: 83 Resp: 1689
Ion Ratio Lower Upper
83 100
85 44.3 42.1 78.3

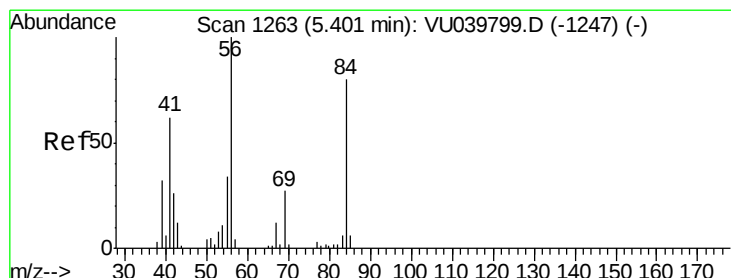
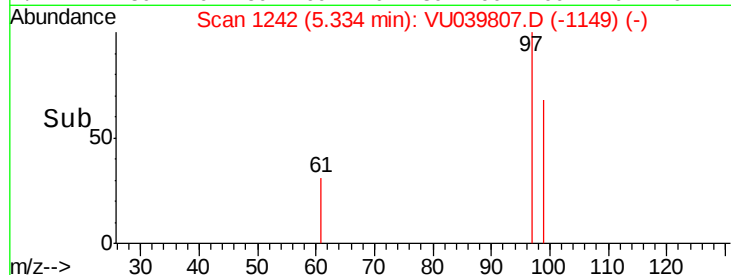
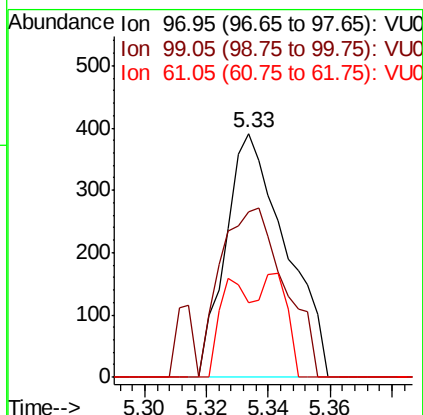
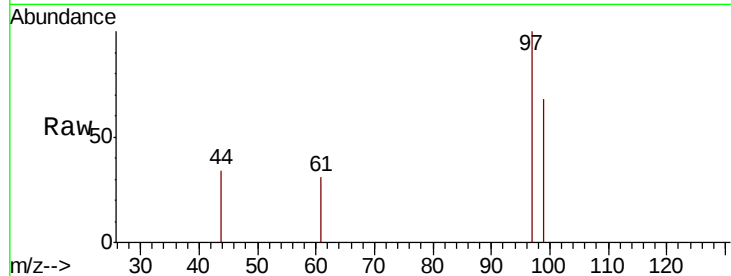




#29
 1,1,1-Trichloroethane
 Concen: 0.070 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

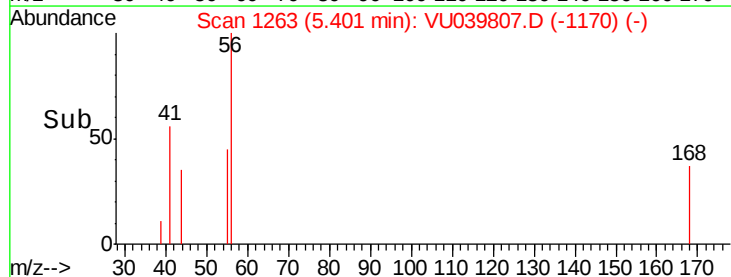
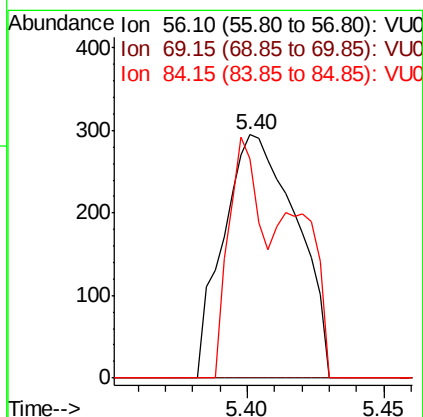
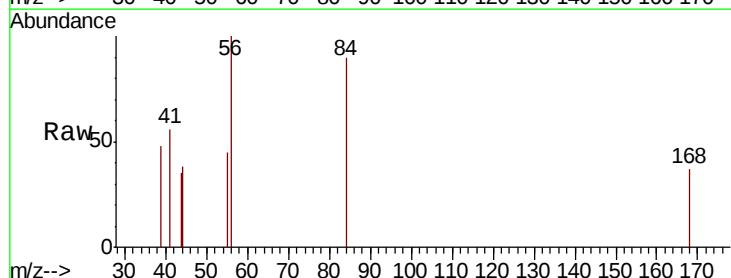
Instrument :
 MSVOA_U
 ClientSampled :

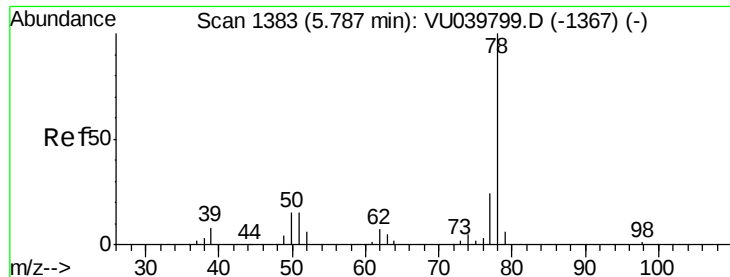
Tot Ion: 97 Resp: 526
 Ion Ratio Lower Upper
 97 100
 99 74.7 52.8 79.2
 61 20.7 40.5 60.7#



#30
 Cyclohexane
 Concen: 0.076 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

Tgt Ion: 56 Resp: 549
 Ion Ratio Lower Upper
 56 100
 69 0.0 24.4 36.6#
 84 44.6 71.3 106.9#

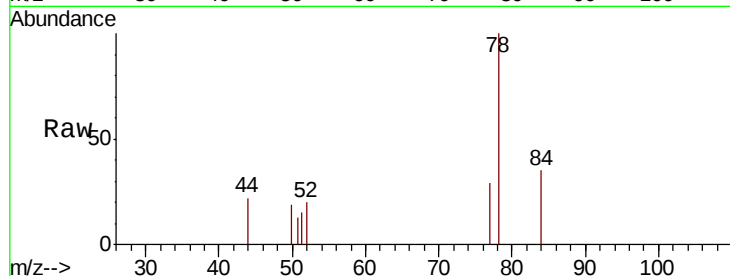




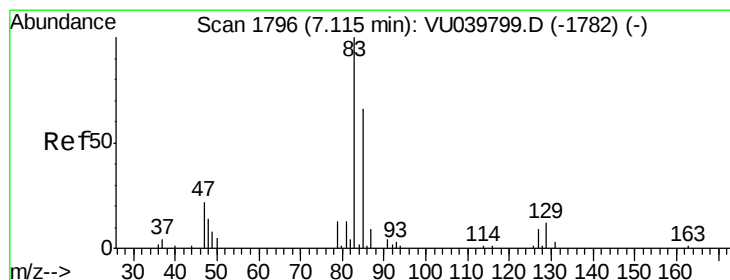
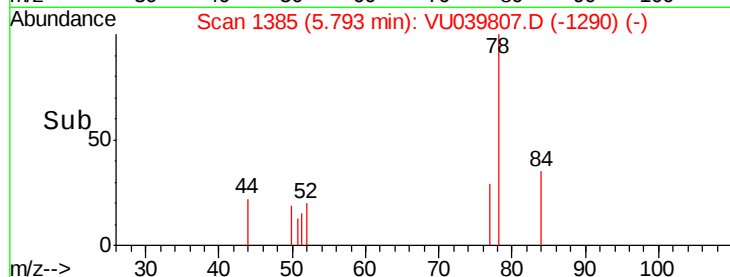
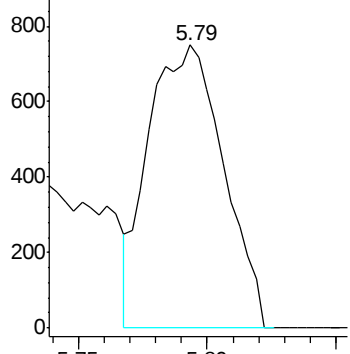
#33
Benzene
Concen: 0.083 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.01 min
Lab File: VU039807.D
Acq: 08 Aug 2020 13:19

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 1520

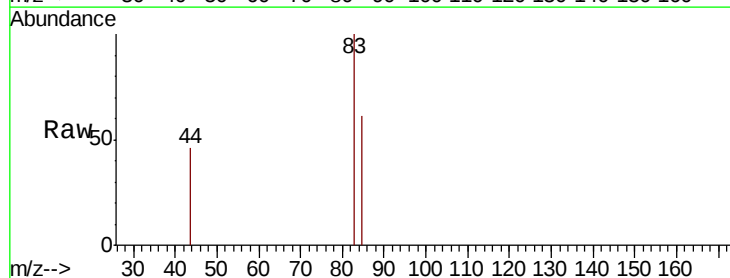


Abundance Ion 78.10 (77.80 to 78.80): VU0

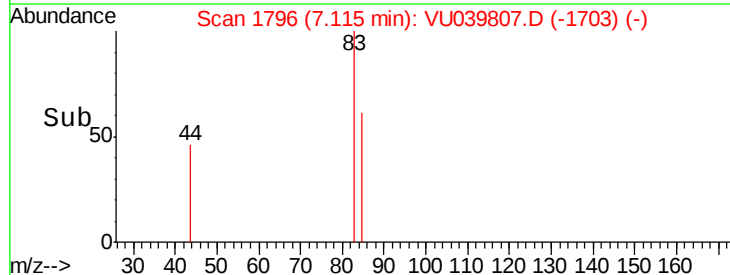
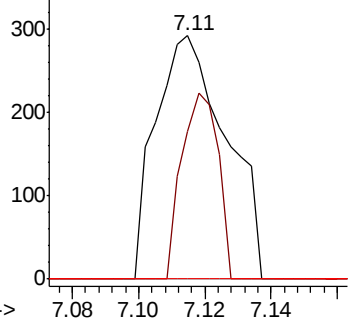


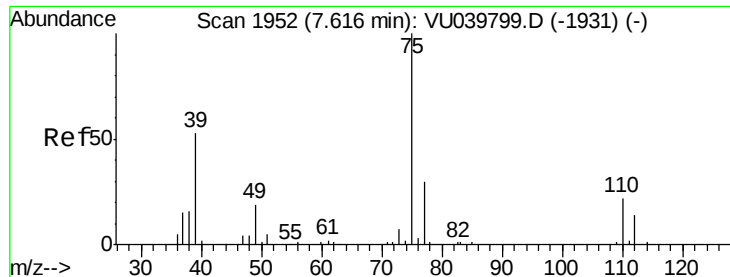
#38
Bromodichloromethane
Concen: 0.068 ug/L
RT: 7.11 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VU039807.D
Acq: 08 Aug 2020 13:19

Tgt Ion: 83 Resp: 433
Ion Ratio Lower Upper
83 100
85 60.6 45.3 84.1
127 0.0 7.5 11.3#



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 126.90 (126.60 to 127.60): V

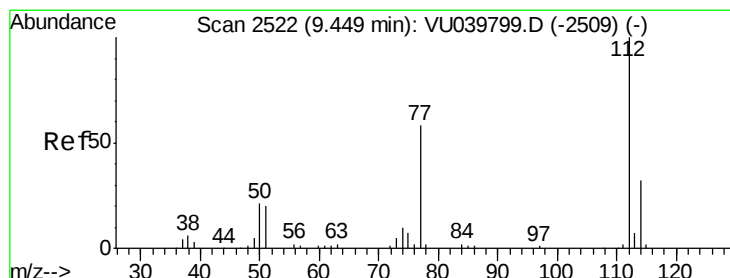
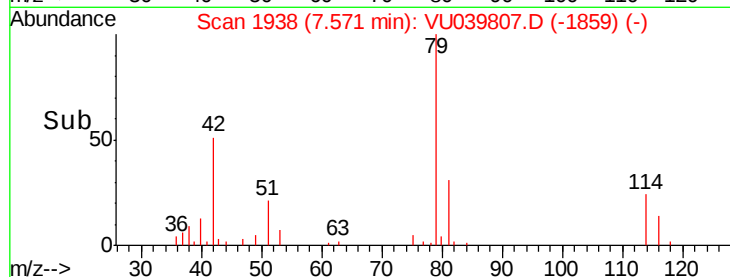
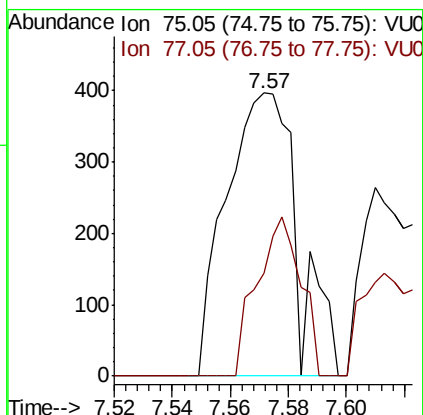
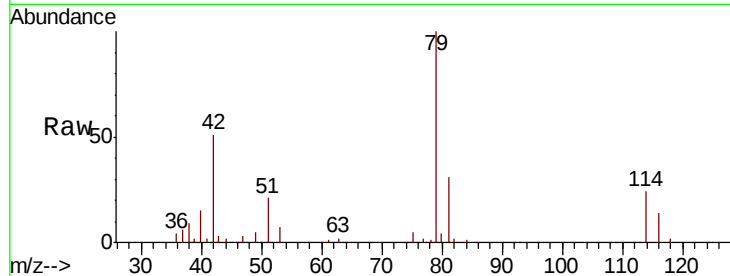




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

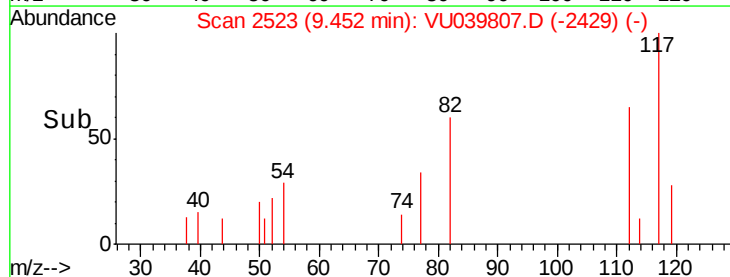
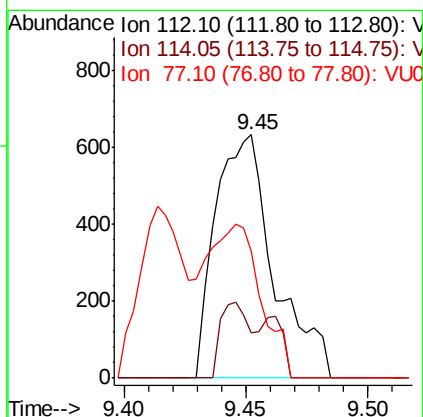
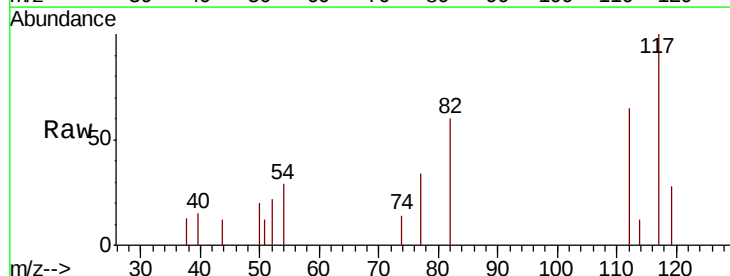
Instrument :
 MSVOA_U
 ClientSampleId :

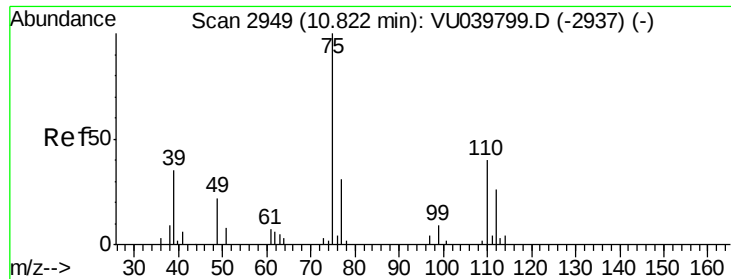
Tot Ion: 75 Resp: 679
 Ion Ratio Lower Upper
 75 100
 77 36.3 22.4 41.6



#51
 Chlorobenzene
 Concen: 0.082 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

Tgt Ion: 112 Resp: 1053
 Ion Ratio Lower Upper
 112 100
 114 18.8 23.2 43.0#
 77 52.4 47.8 71.6

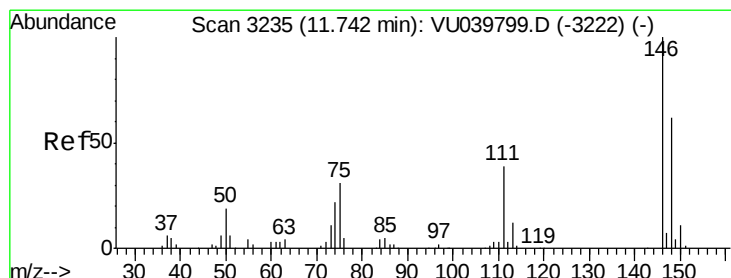
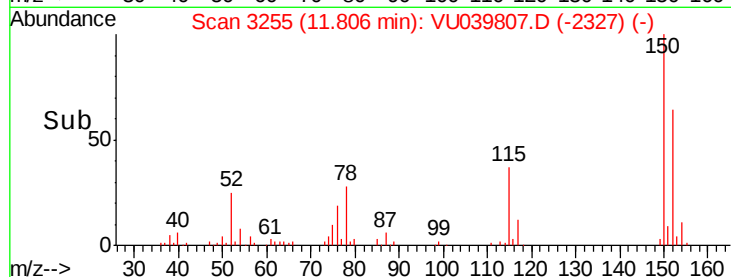
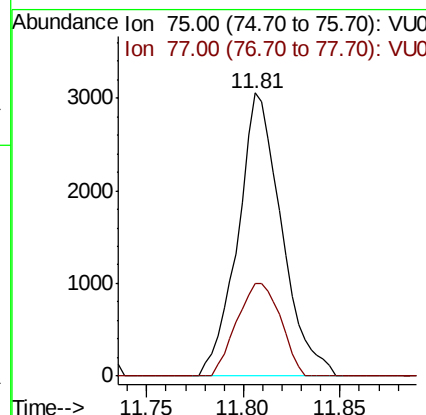
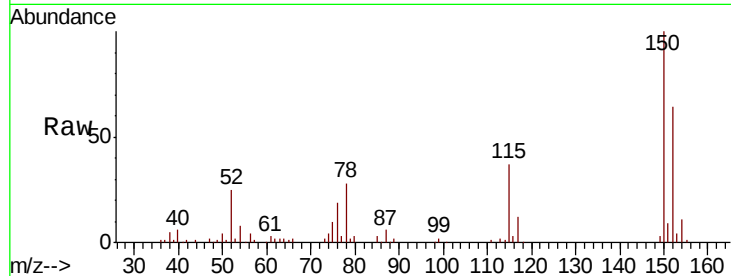




#59
 1,2,3-Trichloropropane
 Concen: 1.371 ug/L
 RT: 11.81 min Scan# 3255
 Delta R.T. 0.98 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

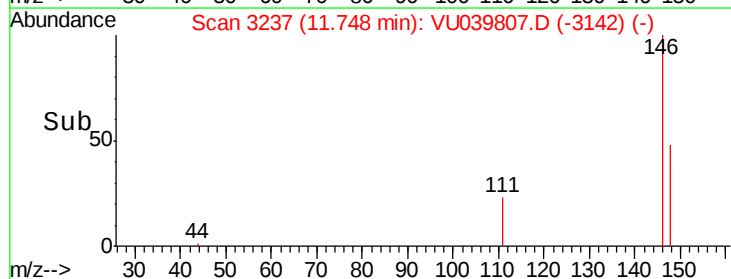
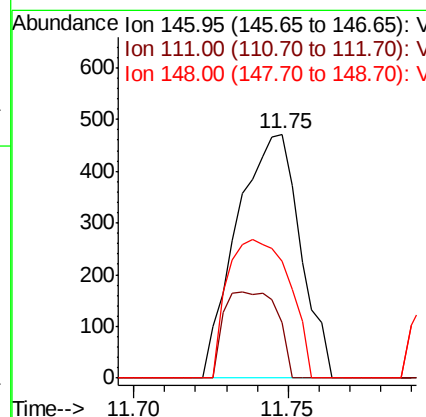
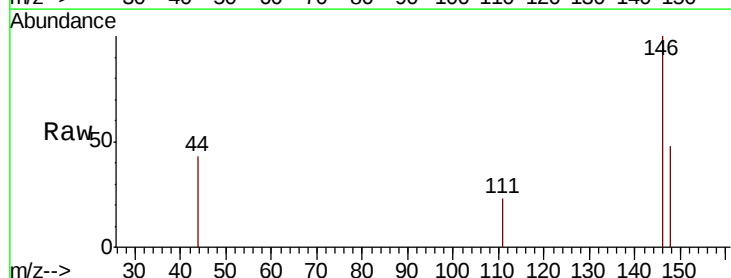
Instrument :
 MSVOA_U
 ClientSampleId :

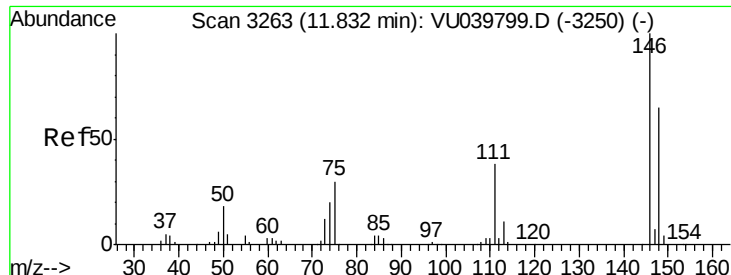
Tot Ion: 75 Resp: 4795
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.6 37.0



#62
 1,3-Dichlorobenzene
 Concen: 0.072 ug/L
 RT: 11.75 min Scan# 3237
 Delta R.T. 0.01 min
 Lab File: VU039807.D
 Acq: 08 Aug 2020 13:19

Tgt Ion: 146 Resp: 670
 Ion Ratio Lower Upper
 146 100
 111 22.7 27.7 51.5#
 148 48.0 45.2 84.0





#63

1,4-Dichlorobenzene

Concen: 0.093 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039807.D

Acq: 08 Aug 2020 13:19

Instrument :

MSVOA_U

ClientSampleId :

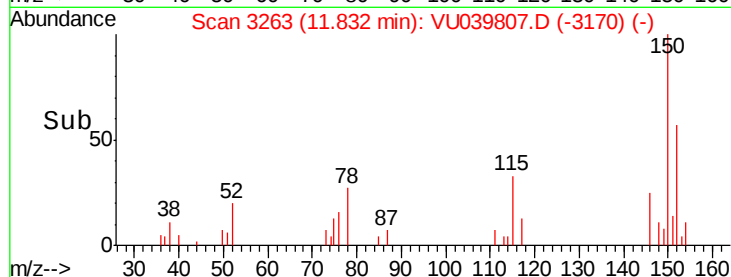
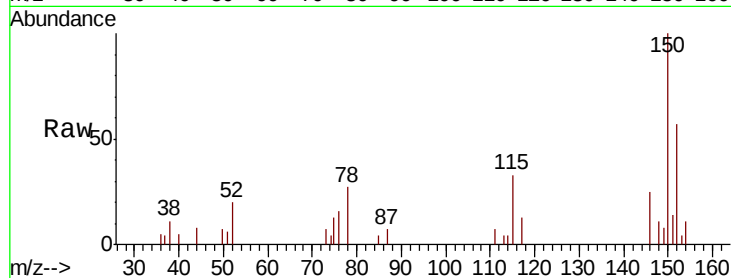
Tot Ion:146 Resp: 911

Ion Ratio Lower Upper

146 100

111 27.2 26.5 49.3

148 44.7 45.3 84.1#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

