

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038385.D
 Acq On : 29 May 2020 18:52
 Operator : JC/MD
 Sample : L2749-09DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 00:05:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	305321	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	296631	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	150314	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94457	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	1.93	69	85839	3.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.00%
11) 1,1-Dichloroethene-d2	2.59	63	147700	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.67	46	358113	51.97	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.94%
24) Chloroform-d	5.10	84	202396	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.74	65	118818	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.76	84	415890	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.72	67	130028	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.92	98	367221	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	51274	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.65	63	287205	52.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.84%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109682	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149011	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
8) Chloroethane	1.95	64	3429	0.169 ug/L #	78
12) 1,1-Dichloroethene	2.59	96	1285	0.061 ug/L #	1
16) Methylene chloride	3.08	84	2686	0.109 ug/L	89
30) Cyclohexane	5.42	56	11041	0.275 ug/L #	92
33) Benzene	5.81	78	27293	0.287 ug/L	100
35) Methylcyclohexane	6.79	83	5996	0.156 ug/L	93
37) 1,2-Dichloropropane	6.73	63	14667	0.568 ug/L #	91
39) cis-1,3-Dichloropropene	7.59	75	3577	0.097 ug/L #	60
48) 2-Hexanone	8.71	43	14278	1.090 ug/L #	88
51) Chlorobenzene	9.47	112	494349	7.944 ug/L	98
54) o-Xylene	10.11	106	2507	0.062 ug/L	64
56) Isopropylbenzene	10.50	105	681961	6.593 ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	8337	0.481 ug/L #	1
62) 1,3-Dichlorobenzene	11.76	146	3699	0.076 ug/L	84
63) 1,4-Dichlorobenzene	11.85	146	29393	0.593 ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	21694	0.461 ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.84	75	1608	0.418 ug/L #	8

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 00:03:10 2020
Response via : Initial Calibration

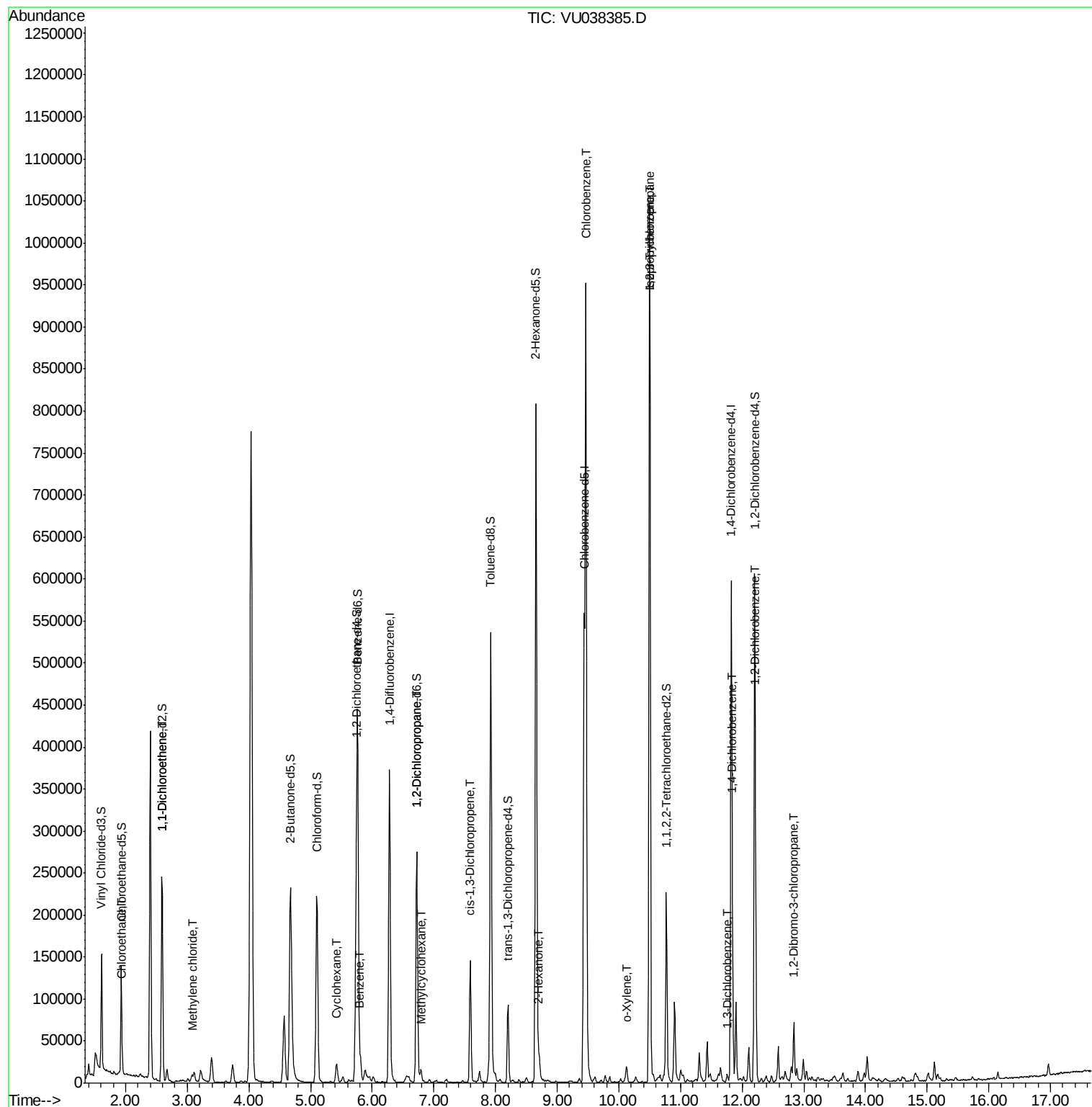
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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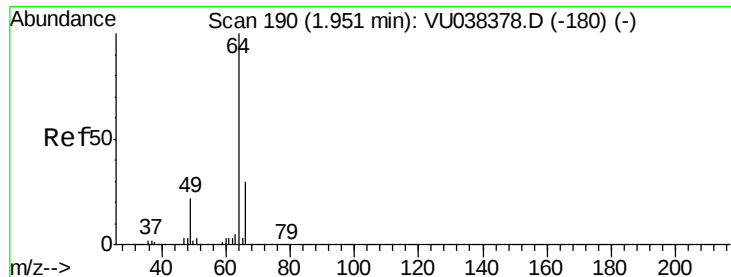
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.169 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

Instrument :

MSVOA_U

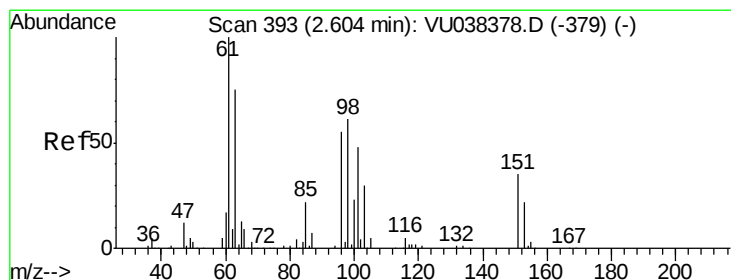
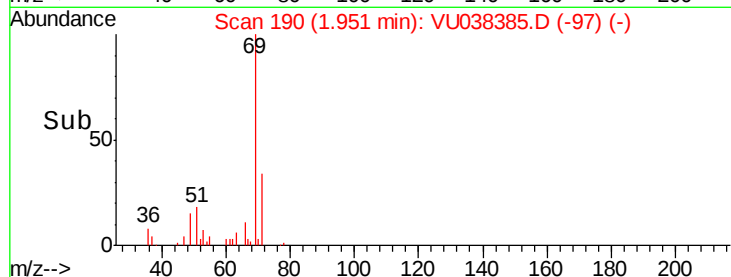
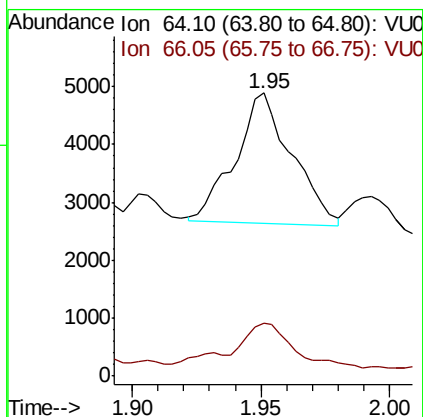
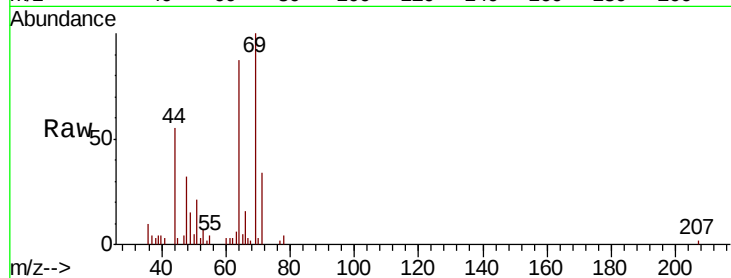
ClientSampleId :

Tot Ion: 64 Resp: 3429

Ion Ratio Lower Upper

64 100

66 18.9 21.8 40.4#



#12

1,1-Dichloroethene

Concen: 0.061 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

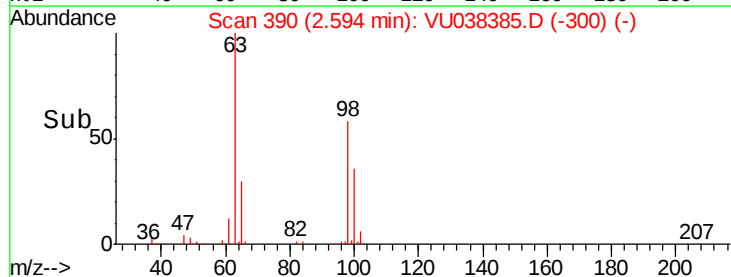
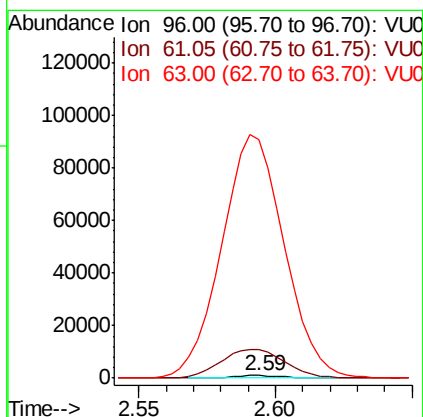
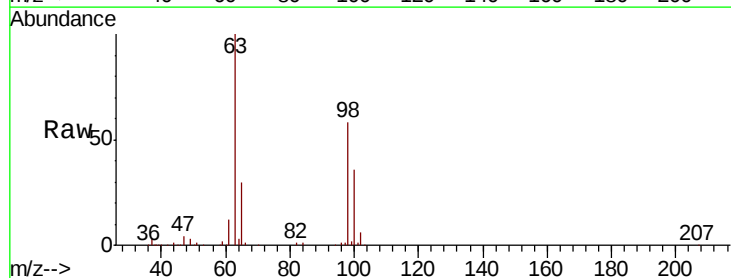
Tgt Ion: 96 Resp: 1285

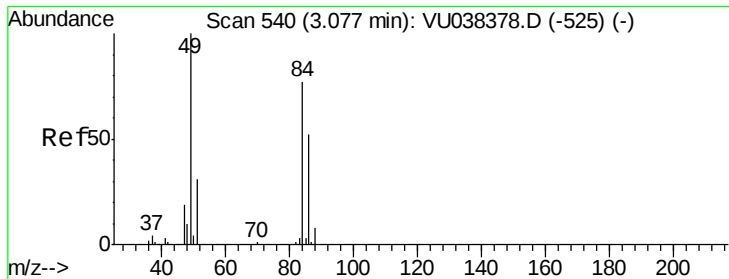
Ion Ratio Lower Upper

96 100

61 1131.4 126.2 234.4#

63 9502.1 96.9 179.9#

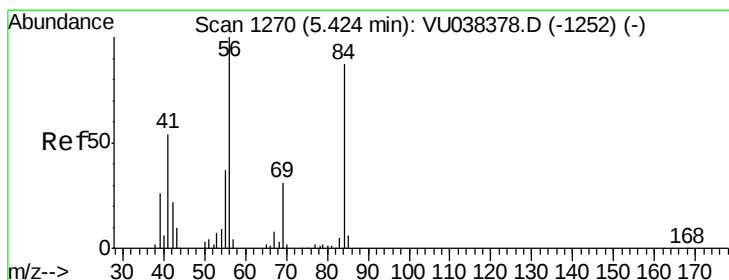
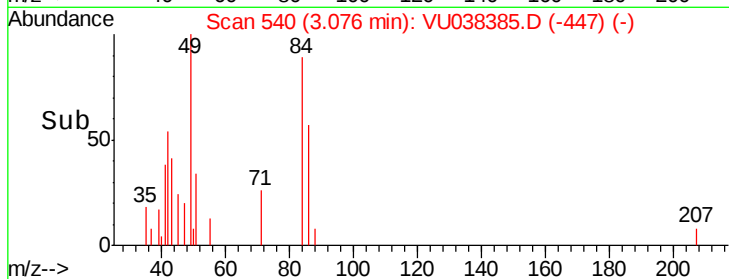
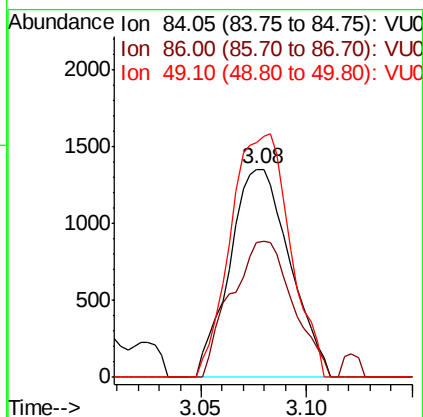
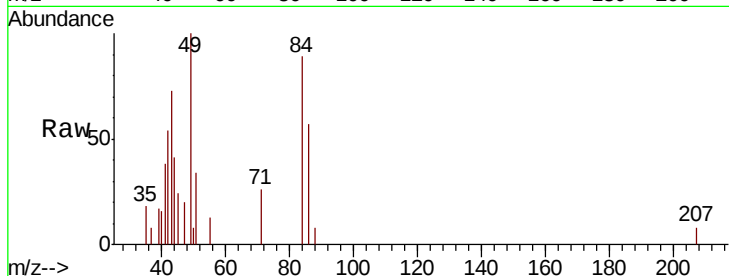




#16
Methylene chloride
Concen: 0.109 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

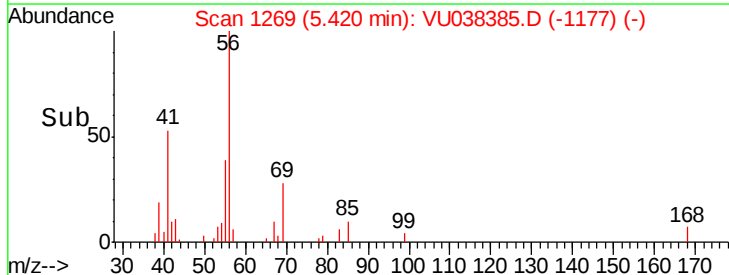
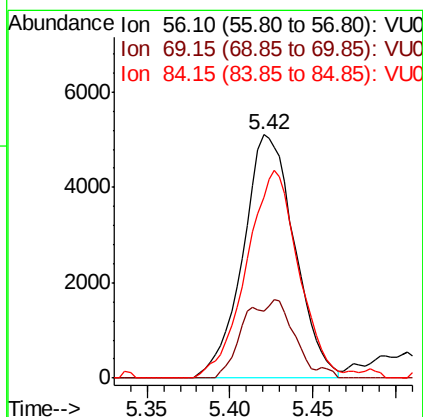
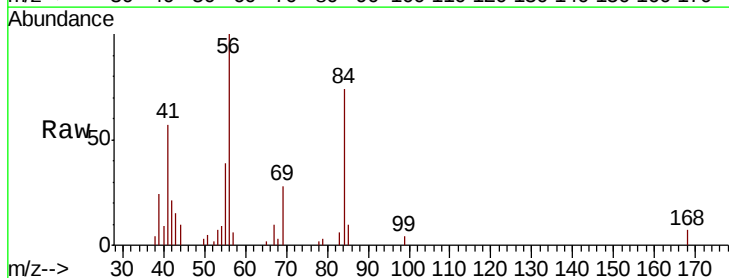
Instrument :
MSVOA_U
ClientSampleId :

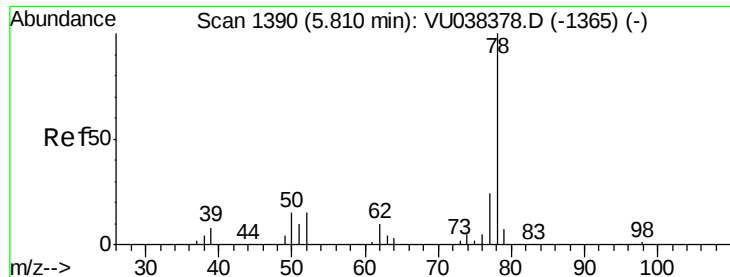
Tot Ion: 84 Resp: 2686
Ion Ratio Lower Upper
84 100
86 64.5 44.9 83.3
49 112.6 92.0 170.9



#30
Cyclohexane
Concen: 0.275 ug/L
RT: 5.42 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

Tgt Ion: 56 Resp: 11041
Ion Ratio Lower Upper
56 100
69 14.3 24.2 36.4#
84 86.2 68.5 102.7





#33

Benzene

Concen: 0.287 ug/L

RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

Lab File: VU038385.D

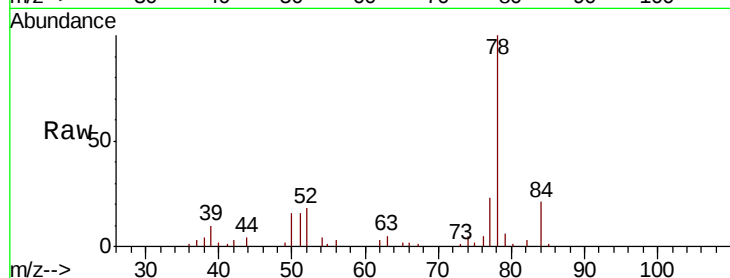
Acq: 29 May 2020 18:52

Instrument :

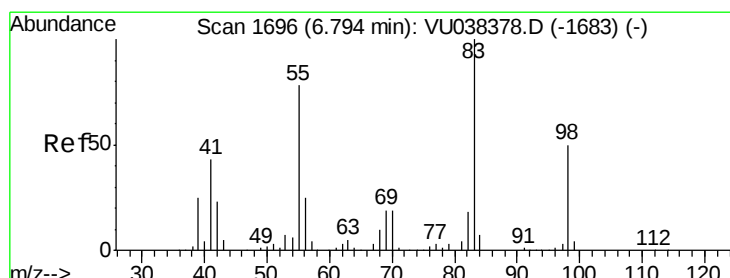
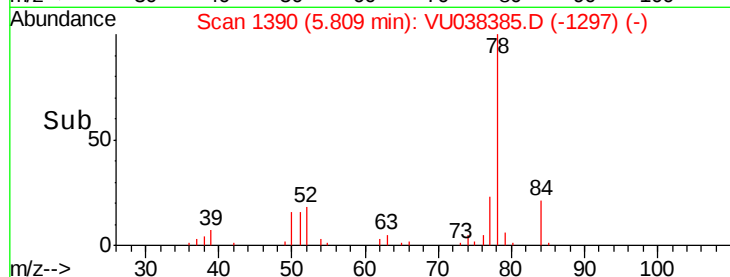
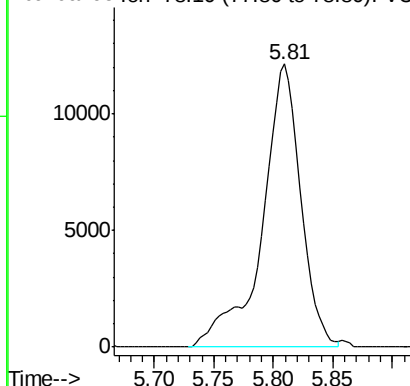
MSVOA_U

ClientSampleId :

Tgt Ion: 78 Resp: 27293



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.156 ug/L

RT: 6.79 min Scan# 1695

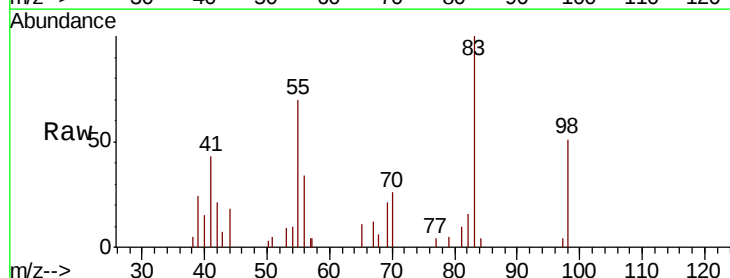
Delta R.T. -0.00 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

Tgt Ion: 83 Resp: 5996

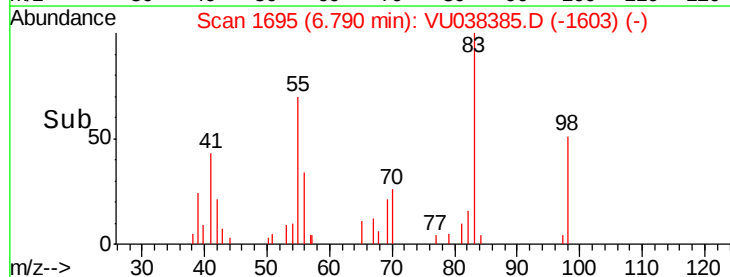
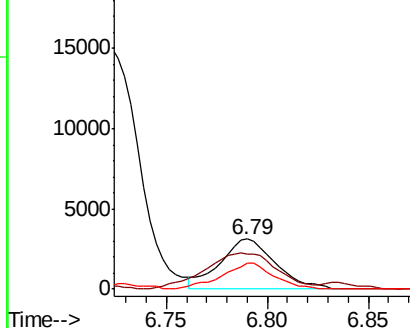
Ion	Ratio	Lower	Upper
83	100		
55	92.7	66.7	100.1
98	48.9	39.4	59.2

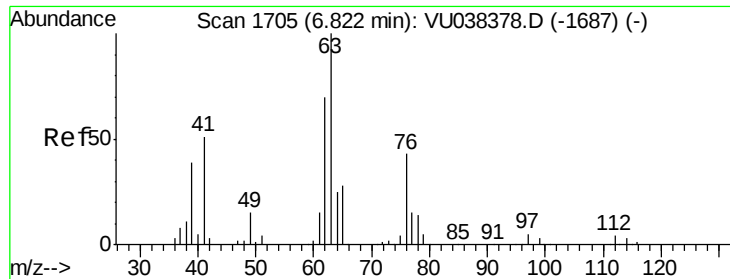


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

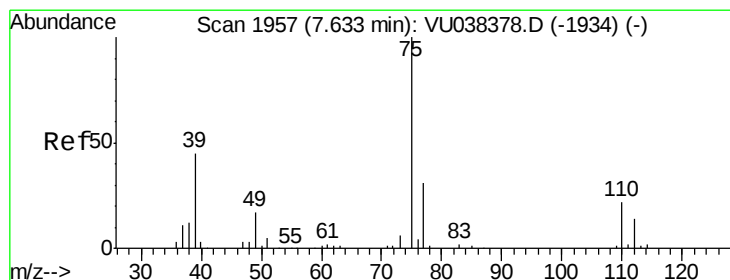
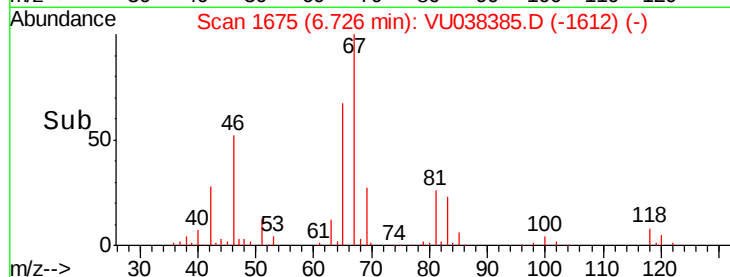
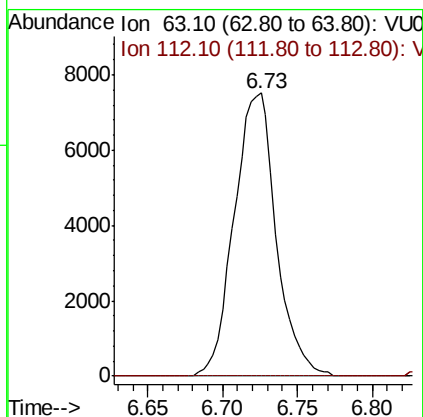
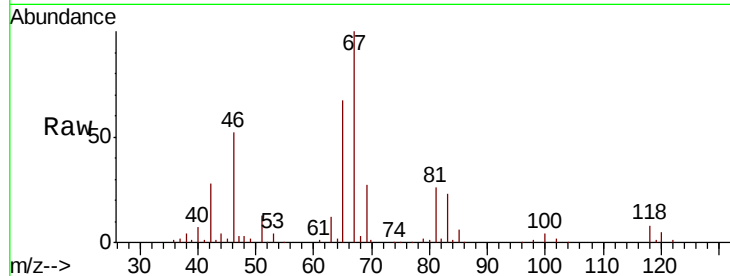




#37
 1,2-Dichloropropane
 Concen: 0.568 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

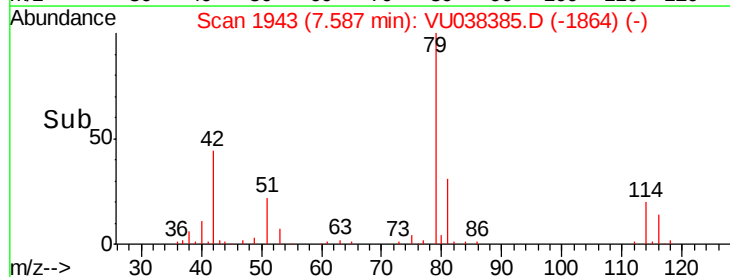
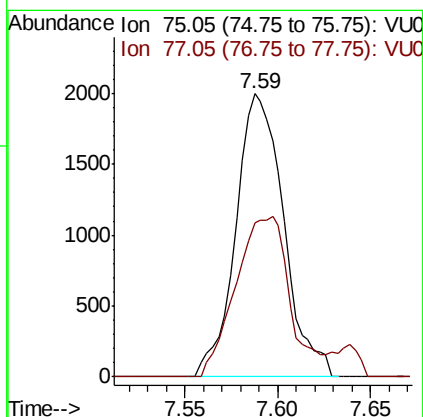
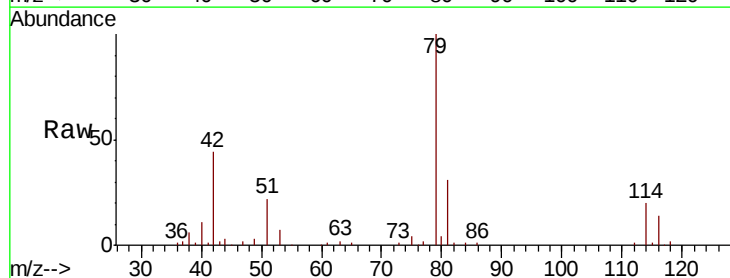
Instrument :
 MSVOA_U
 ClientSampleId :

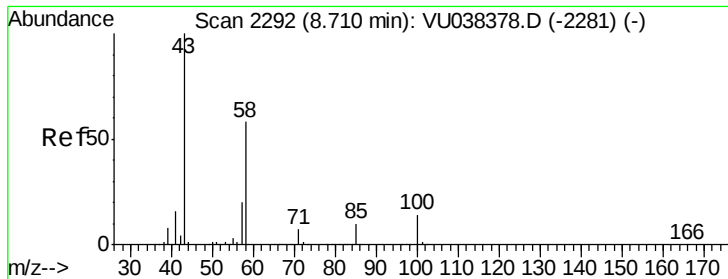
Tot Ion: 63 Resp: 14667
 Ion Ratio Lower Upper
 63 100
 112 0.9 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.097 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

Tgt Ion: 75 Resp: 3577
 Ion Ratio Lower Upper
 75 100
 77 54.4 22.4 41.6#

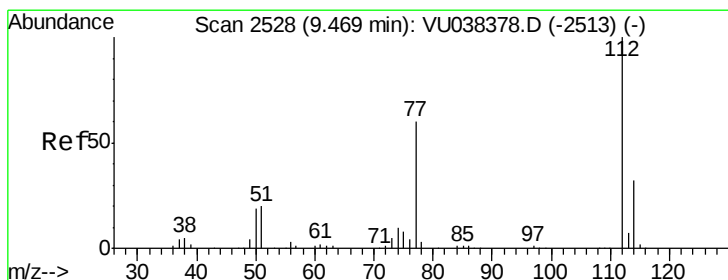
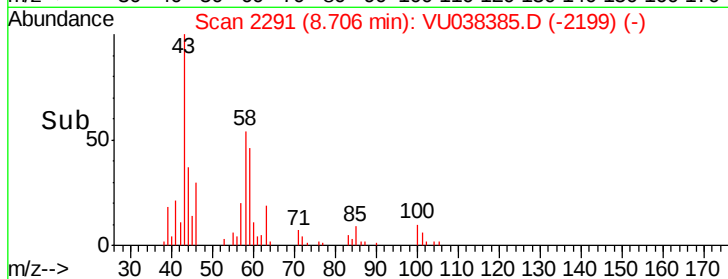
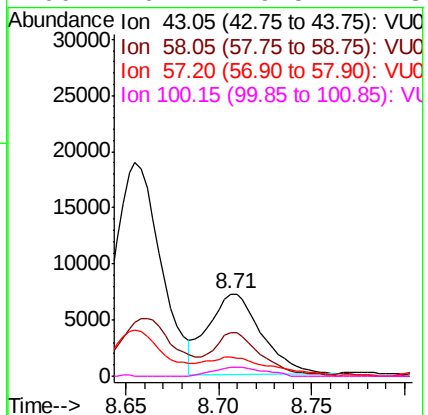
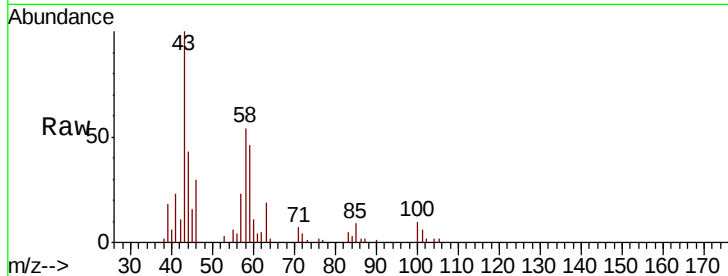




#48
2-Hexanone
Concen: 1.090 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

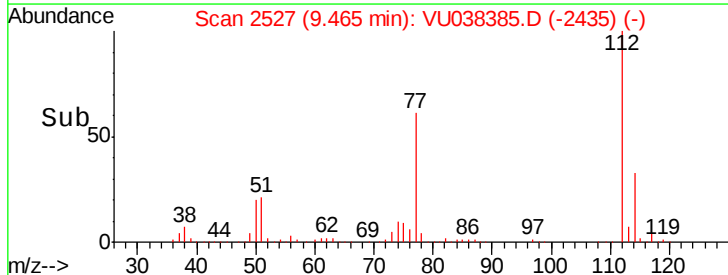
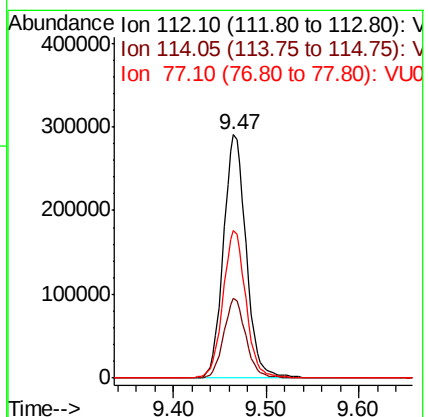
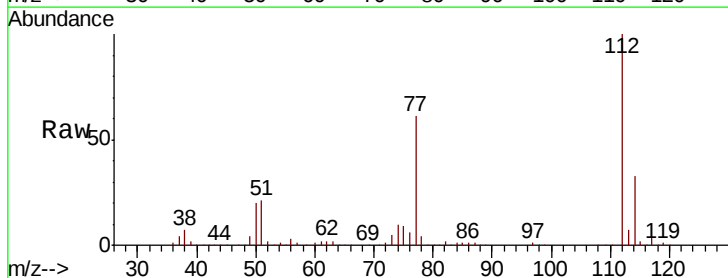
Instrument :
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ClientSampleId :

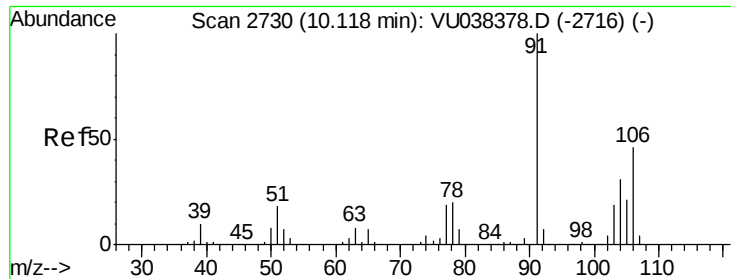
Tot Ion: 43 Resp: 14278
Ion Ratio Lower Upper
43 100
58 48.4 45.2 67.8
57 29.1 15.5 23.3#
100 10.4 9.5 14.3



#51
Chlorobenzene
Concen: 7.944 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

Tgt Ion: 112 Resp: 494349
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 60.6 49.9 74.9

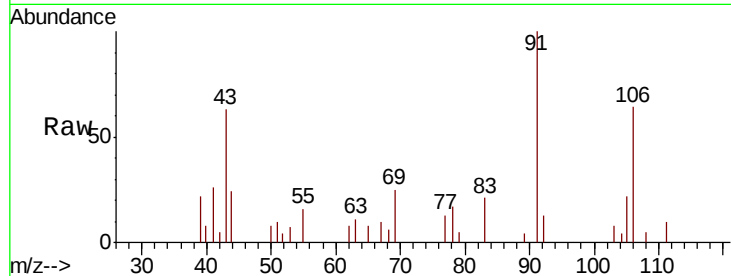




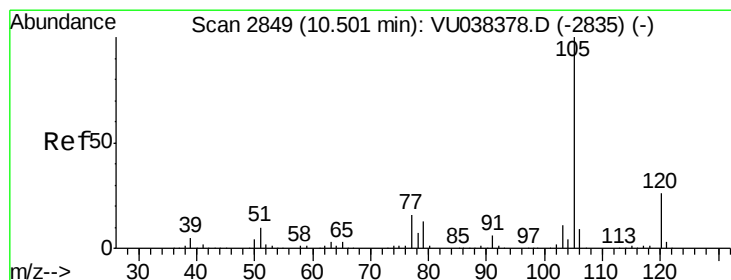
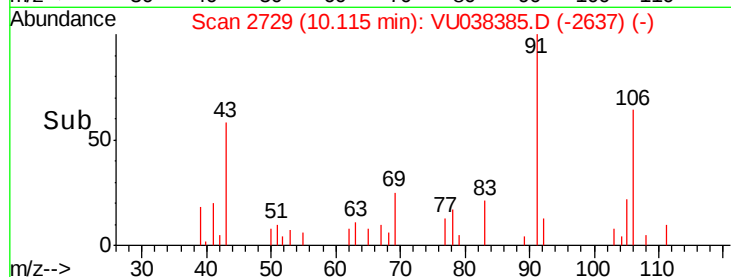
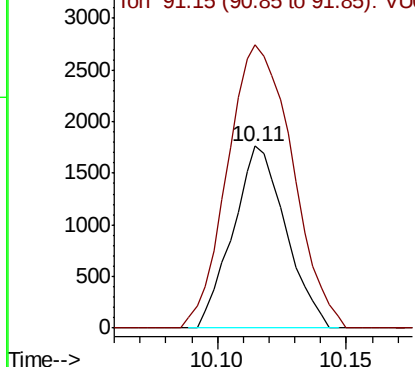
#54
o-Xylene
Concen: 0.062 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 2507
Ion Ratio Lower Upper
106 100
91 155.6 148.5 275.9

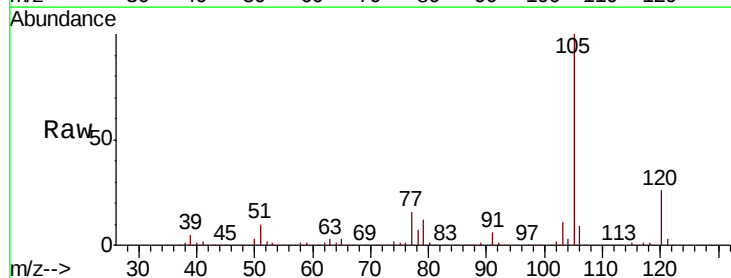


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

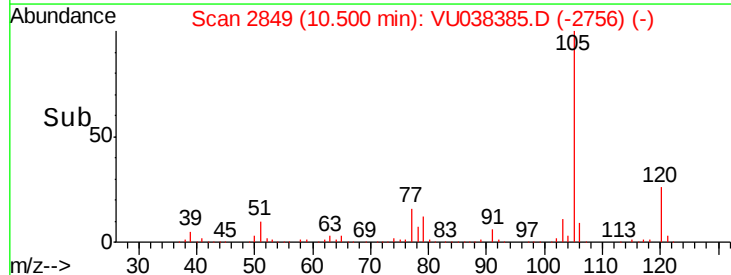
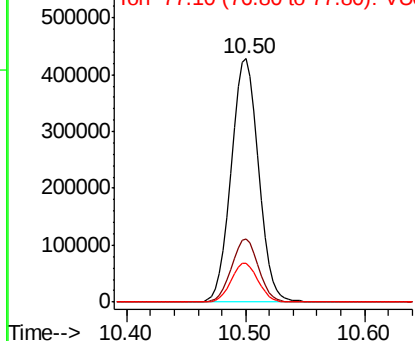


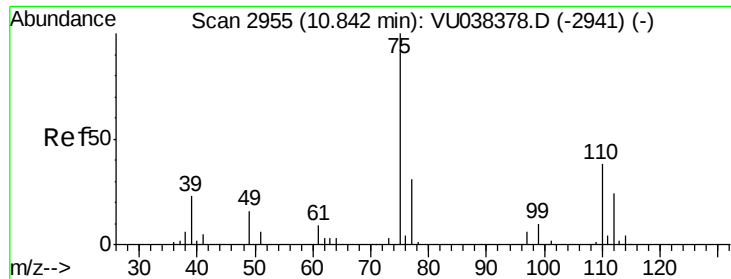
#56
Isopropylbenzene
Concen: 6.593 ug/L
RT: 10.50 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VU038385.D
Acq: 29 May 2020 18:52

Tgt Ion:105 Resp: 681961
Ion Ratio Lower Upper
105 100
120 25.8 21.0 31.6
77 15.9 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0

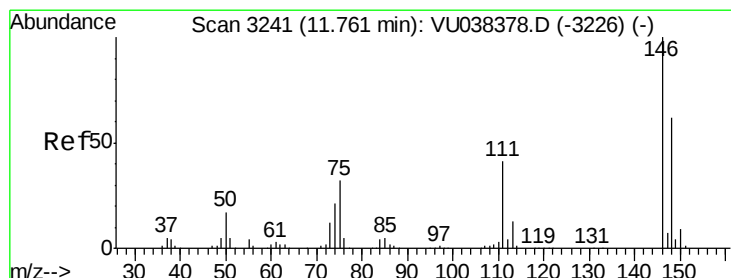
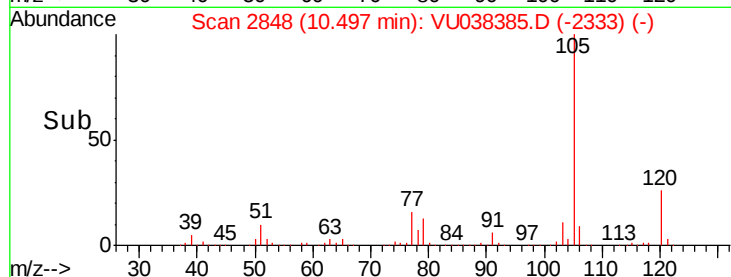
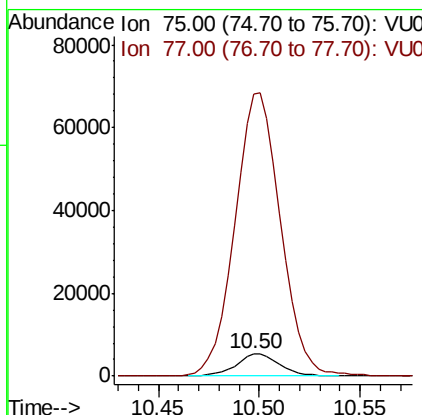
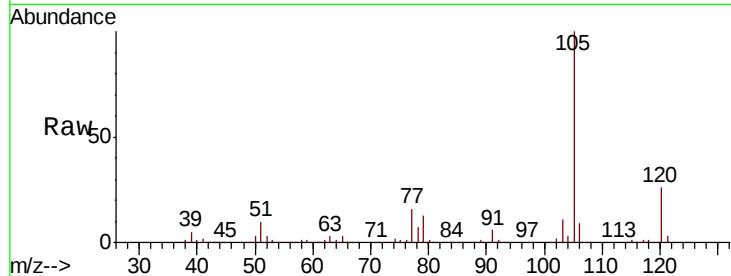




#59
 1,2,3-Trichloropropane
 Concen: 0.481 ug/L
 RT: 10.50 min Scan# 2848
 Delta R.T. -0.34 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

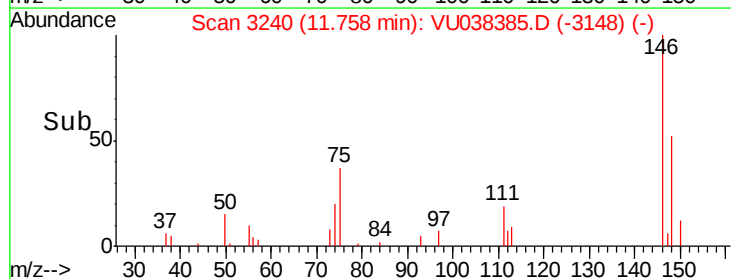
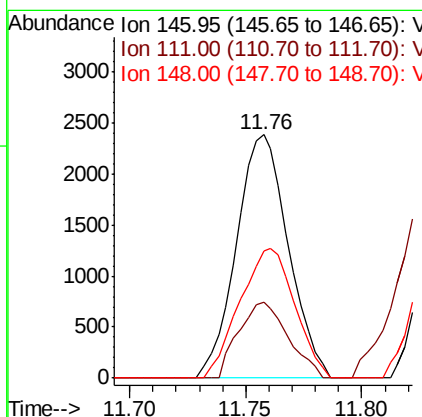
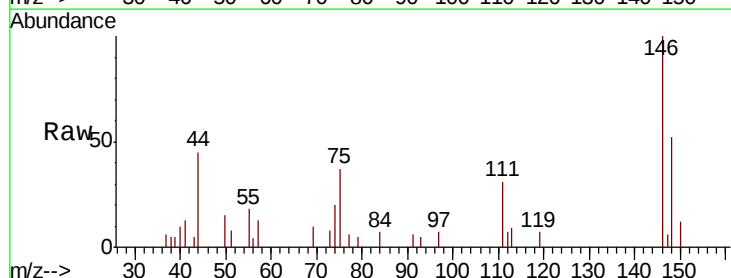
Instrument :
 MSVOA_U
 ClientSampleId :

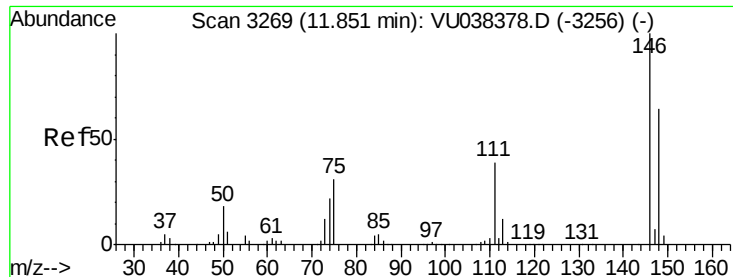
Tot Ion: 75 Resp: 8337
 Ion Ratio Lower Upper
 75 100
 77 1304.3 25.4 38.0#



#62
 1,3-Dichlorobenzene
 Concen: 0.076 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

Tgt Ion: 146 Resp: 3699
 Ion Ratio Lower Upper
 146 100
 111 31.3 28.6 53.2
 148 52.1 45.2 84.0

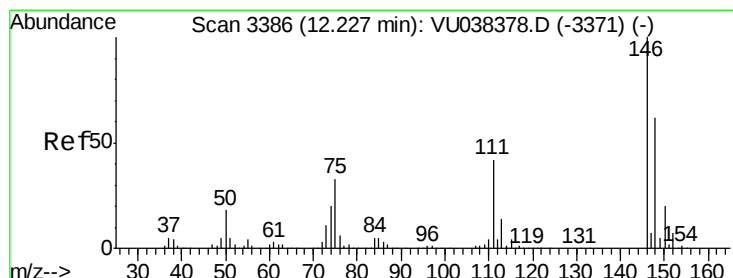
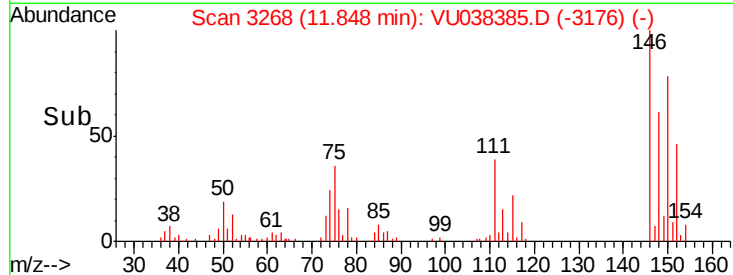
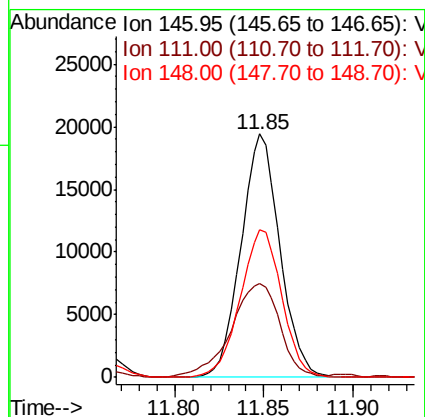
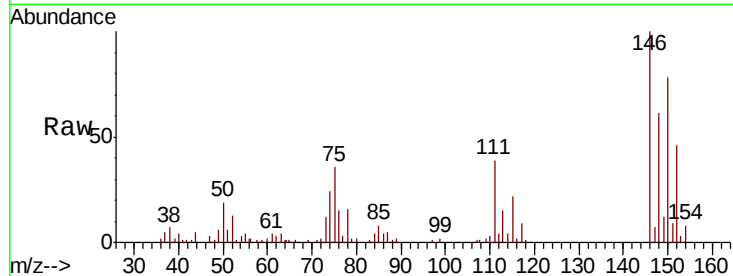




#63
 1,4-Dichlorobenzene
 Concen: 0.593 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

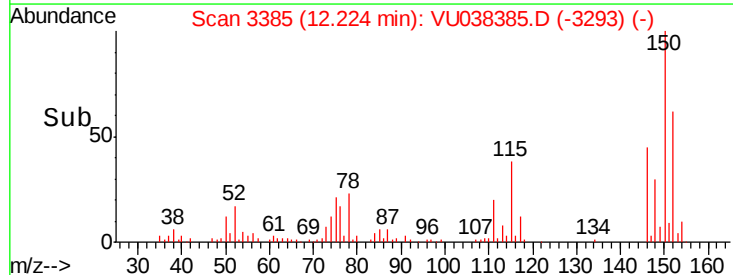
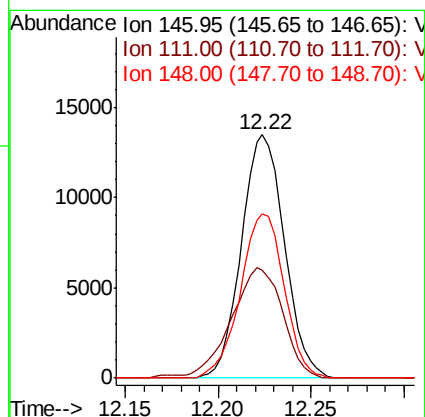
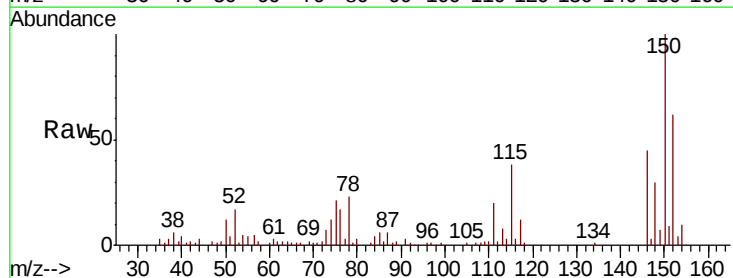
Instrument :
 MSVOA_U
 ClientSampled :

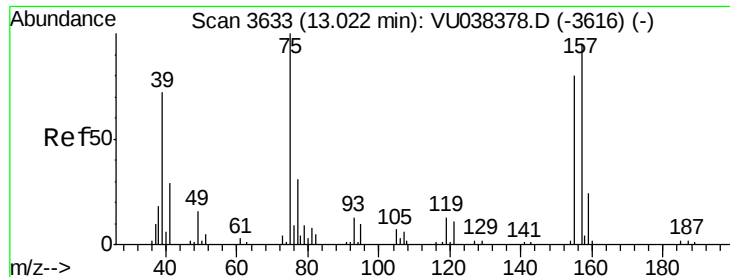
Tot Ion:146 Resp: 29393
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.2 50.6
 148 60.5 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 0.461 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038385.D
 Acq: 29 May 2020 18:52

Tgt Ion:146 Resp: 21694
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.3 52.9
 148 67.7 51.0 76.4





#66

1,2-Dibromo-3-chloropropane

Concen: 0.418 ug/L

RT: 12.84 min Scan# 3576

Delta R.T. -0.18 min

Lab File: VU038385.D

Acq: 29 May 2020 18:52

Instrument :

MSVOA_U

ClientSampleId :

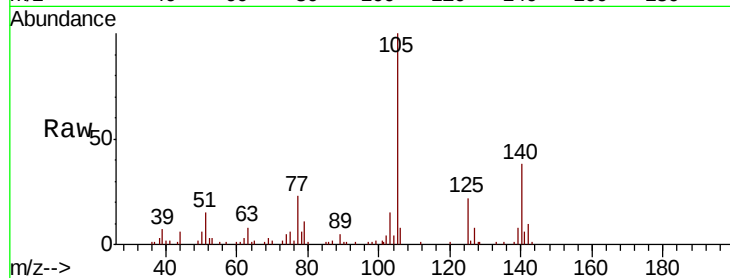
Tot Ion: 75 Resp: 1608

Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

157 0.0 72.9 109.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

