

Data File : VU034984.D
Acq On : 08 Oct 2019 11:27
Operator : JC/SP
Sample : MDL02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Quant Time: Oct 09 07:19:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 09 07:15:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	185380	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	184457	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	79649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46722	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.67	69	45230	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.26	63	71848	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.19	46	161228	49.96	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	4.62	84	85525	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.29	65	56639	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.32	84	197190	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.31	67	68583	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.54	98	178523	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.84	79	20758	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.30	63	115937	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58014	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	67316	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4404	0.260 ug/L	96
3) Chloromethane	1.32	50	4859	0.261 ug/L	97
5) Vinyl chloride	1.40	62	4859	0.266 ug/L	90
6) Bromomethane	1.62	94	2431	0.240 ug/L	81
8) Chloroethane	1.69	64	3086	0.282 ug/L	97
9) Trichlorofluoromethane	1.87	101	5892	0.267 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3574	0.282 ug/L	88
12) 1,1-Dichloroethene	2.27	96	3542	0.297 ug/L #	1
13) Acetone	2.34	43	8261	3.126 ug/L	66
14) Carbon disulfide	2.47	76	9574	0.242 ug/L #	93
15) Methyl Acetate	2.62	43	2014	0.286 ug/L #	84
16) Methylene chloride	2.69	84	5745	0.390 ug/L	95
17) Methyl tert-butyl Ether	2.99	73	8561	0.264 ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	3356	0.263 ug/L	97
19) 1,1-Dichloroethane	3.42	63	6620	0.261 ug/L	95
22) cis-1,2-Dichloroethene	4.20	96	3244	0.228 ug/L	80
23) Bromochloromethane	4.52	128	1588	0.266 ug/L	93

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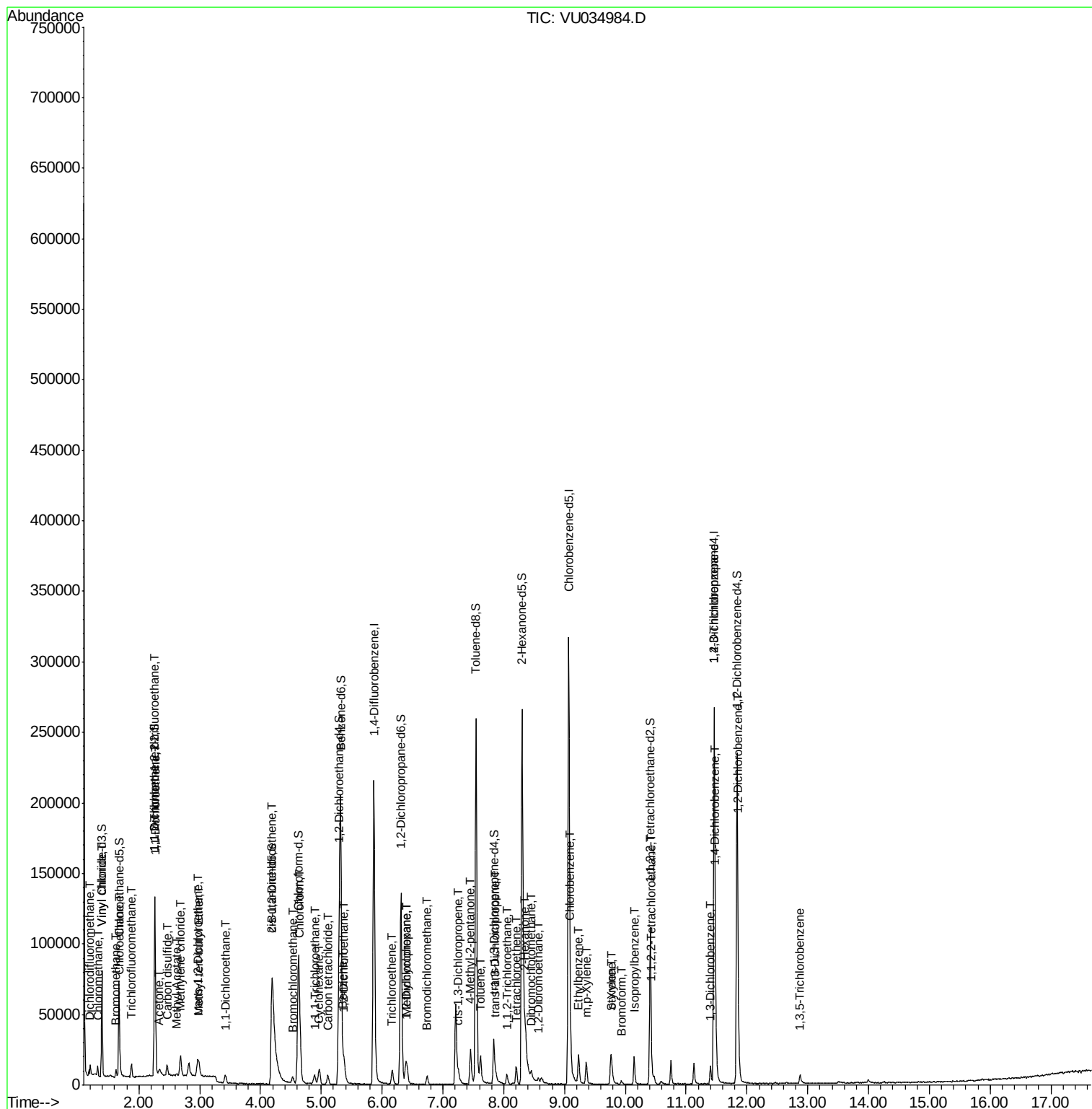
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	25687	0.902	ug/L	100
27) 1,2-Dichloroethane	5.38	62	4609	0.277	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	4620	0.223	ug/L	95
30) Cyclohexane	4.97	56	5121	0.225	ug/L	97
31) Carbon tetrachloride	5.11	117	4542	0.253	ug/L	98
33) Benzene	5.37	78	13512	0.243	ug/L	100
34) Trichloroethene	6.17	95	3293	0.230	ug/L	92
35) Methylcyclohexane	6.39	83	5274	0.227	ug/L	93
37) 1,2-Dichloropropane	6.41	63	4006	0.267	ug/L #	88
38) Bromodichloromethane	6.74	83	4514	0.257	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	3102	0.153	ug/L	92
40) 4-Methyl-2-pentanone	7.45	43	20562	2.180	ug/L #	83
42) Toluene	7.62	91	14274	0.246	ug/L	89
44) trans-1,3-Dichloropropene	7.86	75	3861	0.246	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	2518	0.253	ug/L	93
47) Tetrachloroethene	8.21	164	2761	0.238	ug/L	93
48) 2-Hexanone	8.35	43	17286	2.673	ug/L	97
49) Dibromochloromethane	8.45	129	2408	0.209	ug/L	100
50) 1,2-Dibromoethane	8.57	107	2258	0.237	ug/L #	91
51) Chlorobenzene	9.10	112	9129	0.243	ug/L	97
52) Ethylbenzene	9.23	91	14932	0.233	ug/L	97
53) m,p-Xylene	9.35	106	5304	0.224	ug/L	99
54) o-Xylene	9.76	106	5168	0.223	ug/L	94
55) Styrene	9.78	104	6919	0.185	ug/L	93
56) Isopropylbenzene	10.15	105	13216	0.214	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	3324	0.246	ug/L #	93
59) 1,2,3-Trichloropropane	11.46	75	12143	1.252	ug/L	95
61) Bromoform	9.94	173	1136	0.208	ug/L #	86
62) 1,3-Dichlorobenzene	11.40	146	6340	0.258	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	6708	0.271	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6287	0.266	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	3441	0.207	ug/L #	91

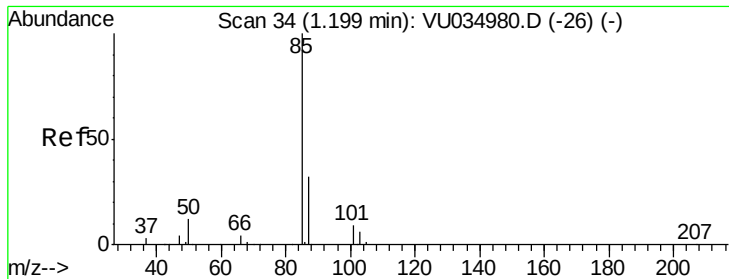
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.260 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

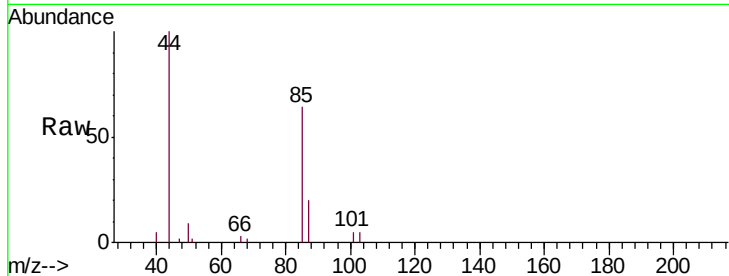
MDL02

Tgt Ion: 85 Resp: 4404

Ion Ratio Lower Upper

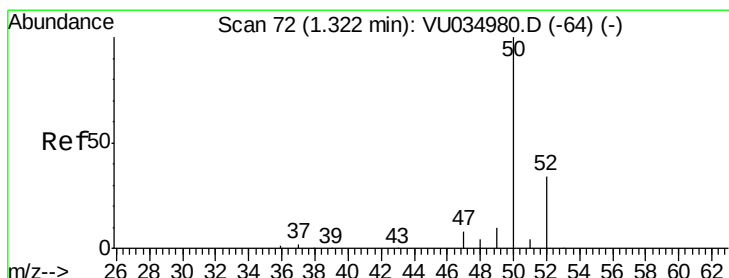
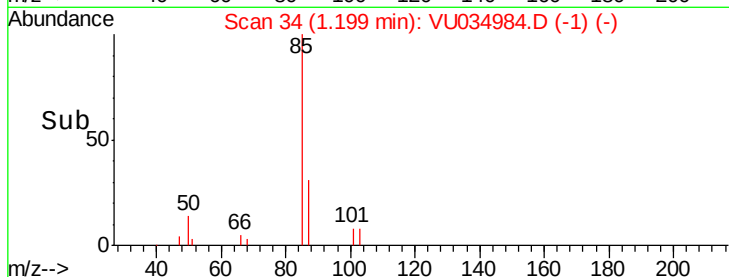
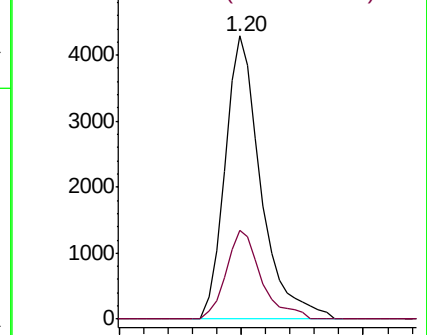
85 100

87 30.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034980.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU034980.D (-26) (-)



#3

Chloromethane

Concen: 0.261 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034984.D

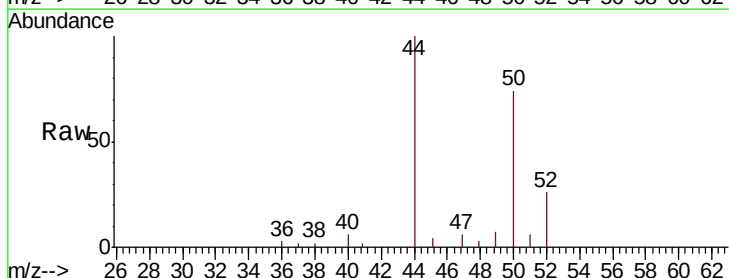
Acq: 08 Oct 2019 11:27

Tgt Ion: 50 Resp: 4859

Ion Ratio Lower Upper

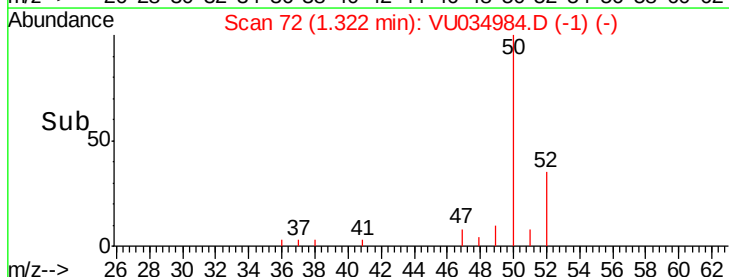
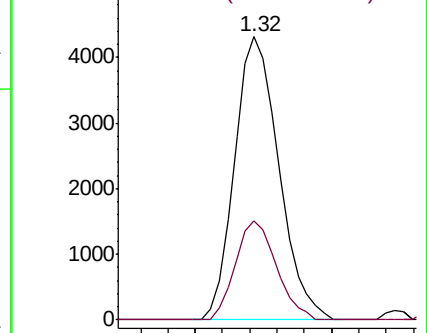
50 100

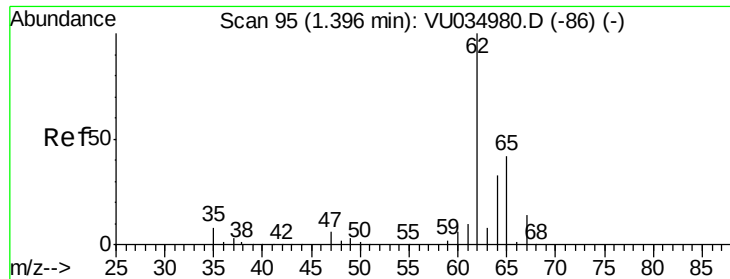
52 35.0 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU034980.D (-64) (-)

Ion 52.05 (51.75 to 52.75): VU034980.D (-64) (-)





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

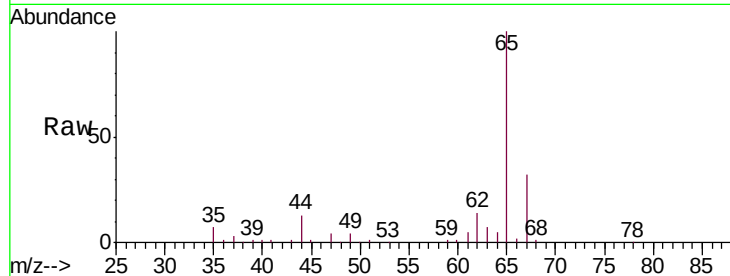
MDL02

Tgt Ion: 62 Resp: 4859

Ion Ratio Lower Upper

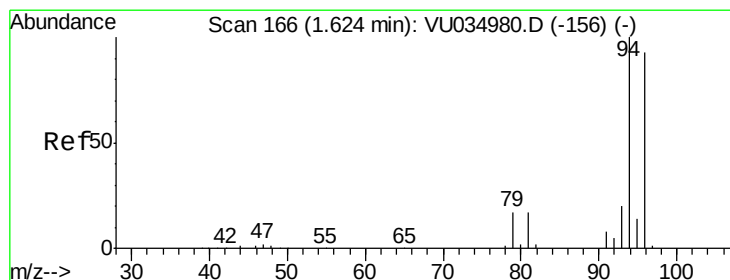
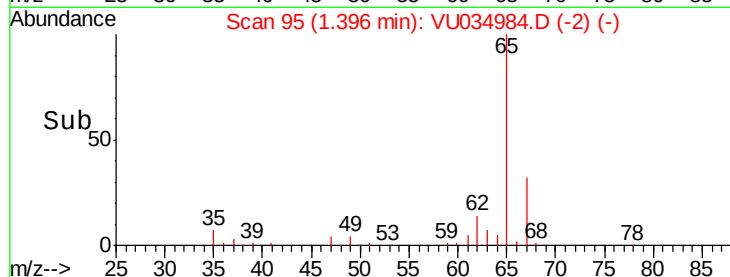
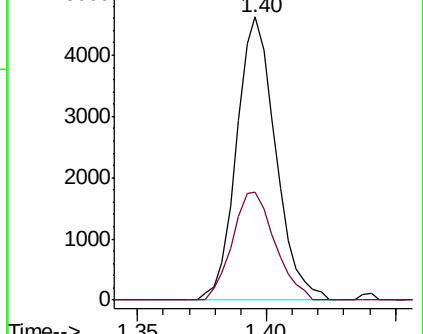
62 100

64 38.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.240 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034984.D

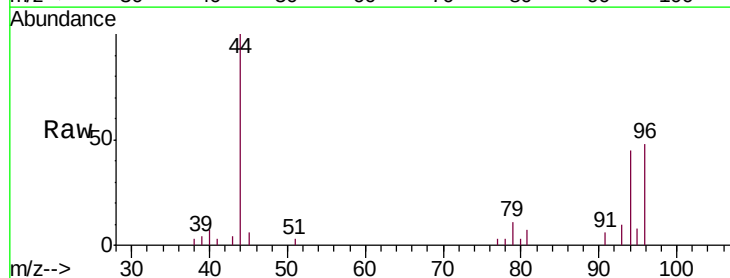
Acq: 08 Oct 2019 11:27

Tgt Ion: 94 Resp: 2431

Ion Ratio Lower Upper

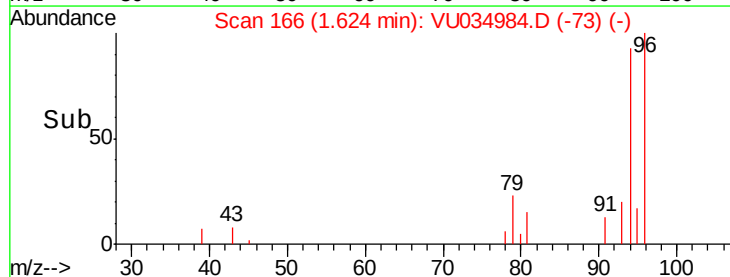
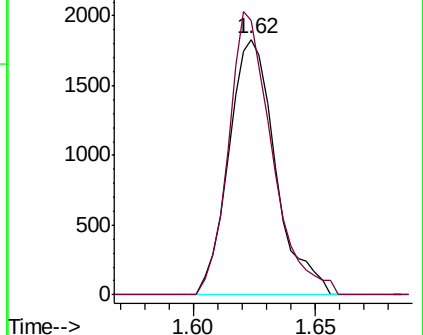
94 100

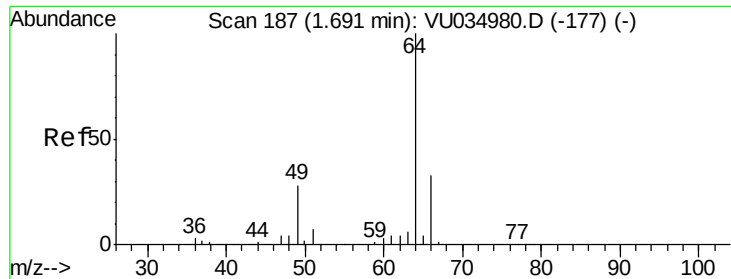
96 107.4 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.282 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

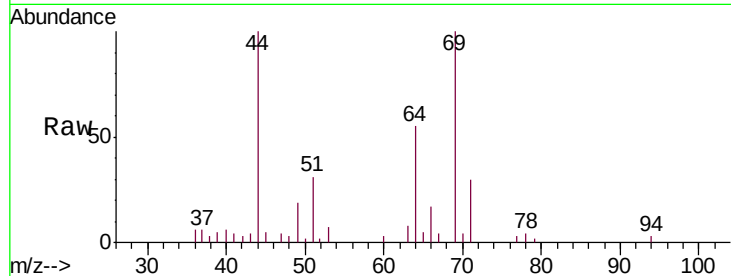
MDL02

Tgt Ion: 64 Resp: 3086

Ion Ratio Lower Upper

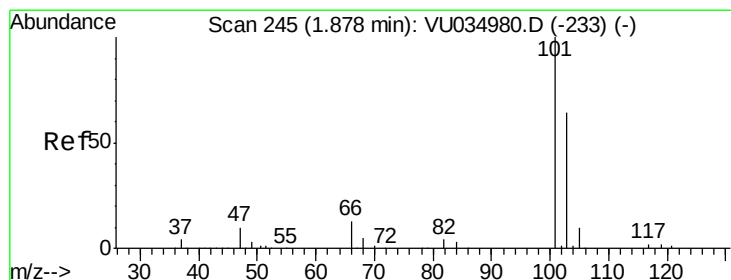
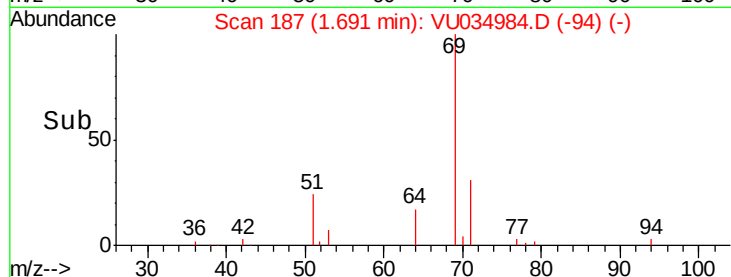
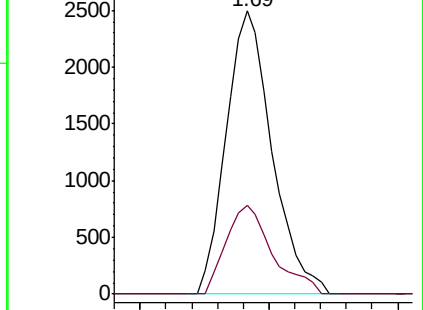
64 100

66 31.2 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU034980.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034980.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.267 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034984.D

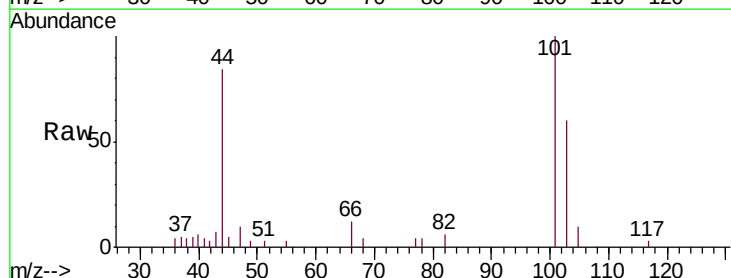
Acq: 08 Oct 2019 11:27

Tgt Ion: 101 Resp: 5892

Ion Ratio Lower Upper

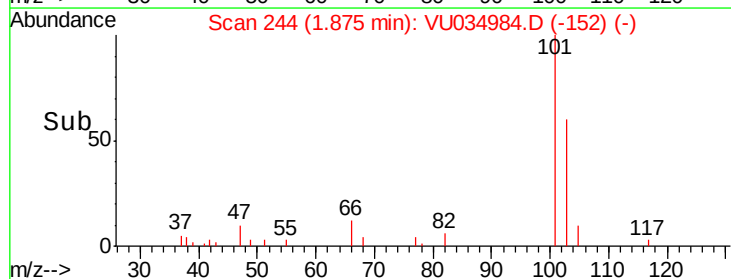
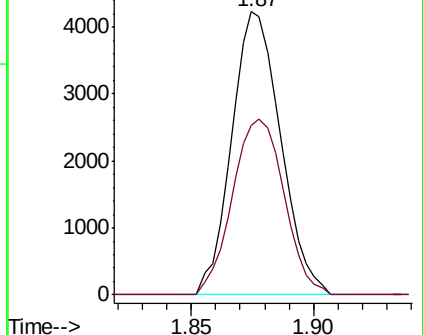
101 100

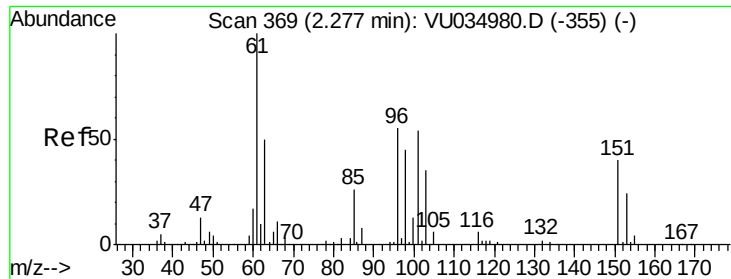
103 65.4 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU034980.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034980.D (-233) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.282 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

MDL02

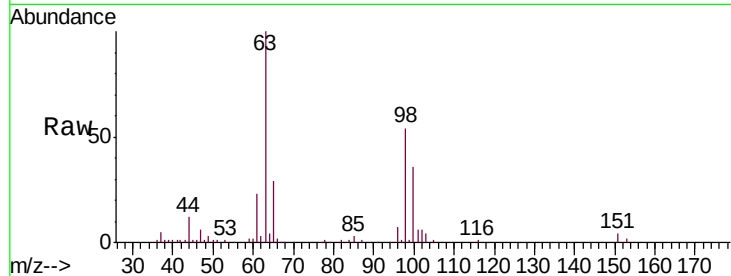
Tgt Ion:101 Resp: 3574

Ion Ratio Lower Upper

101 100

85 39.1 37.4 56.0

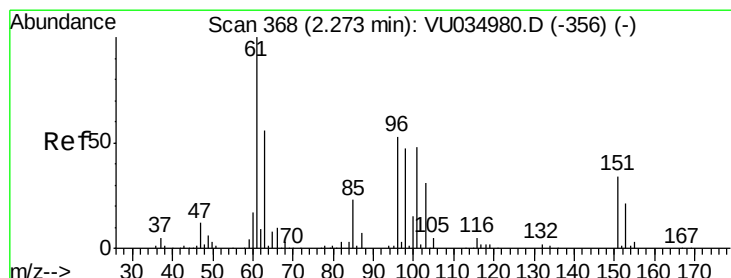
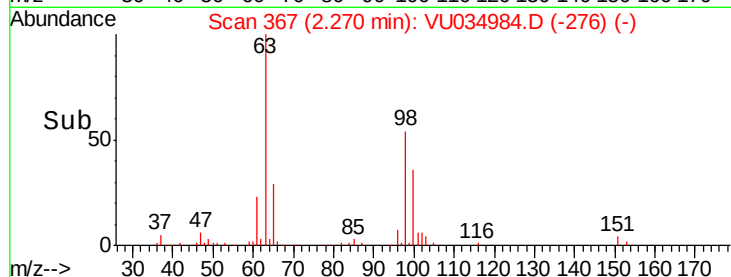
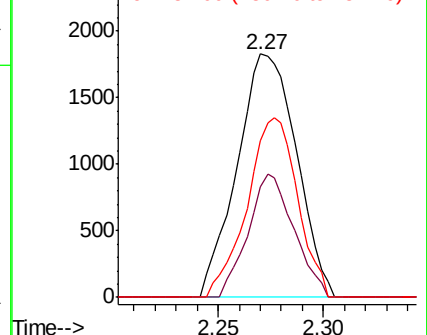
151 62.6 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.297 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

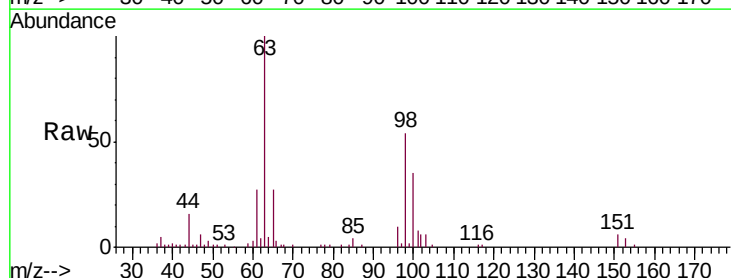
Tgt Ion: 96 Resp: 3542

Ion Ratio Lower Upper

96 100

61 273.9 129.3 240.1#

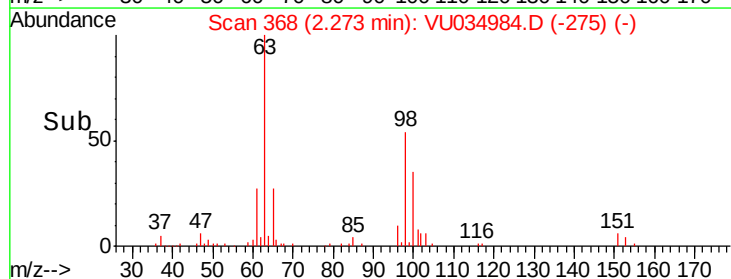
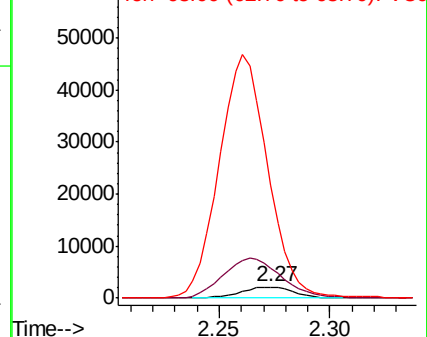
63 1023.2 108.9 202.3#

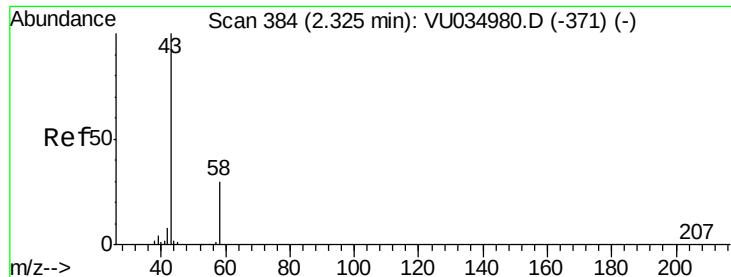


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.126 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

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Acq: 08 Oct 2019 11:27

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MSVOA_U

ClientSampleId :

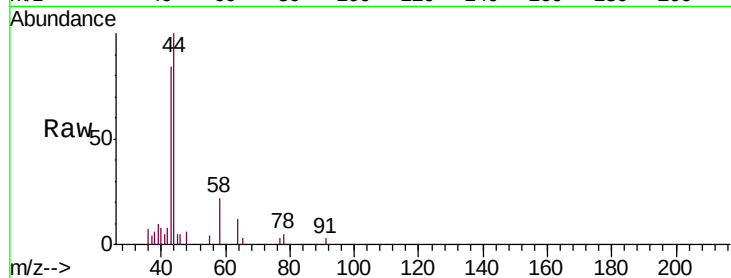
MDL02

Tgt Ion: 43 Resp: 8261

Ion Ratio Lower Upper

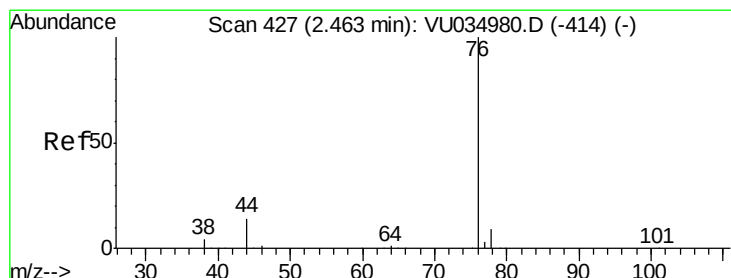
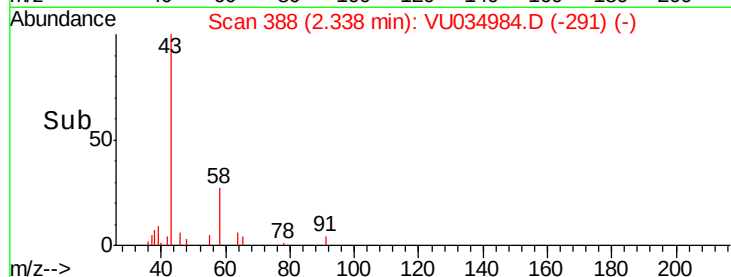
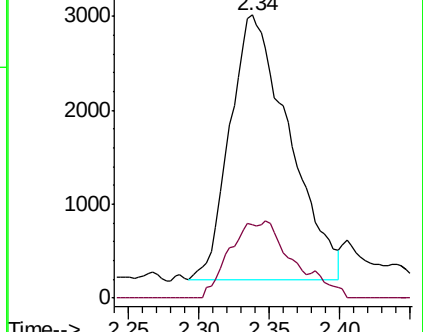
43 100

58 14.0 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU034980.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU034980.D (-371) (-)



#14

Carbon disulfide

Concen: 0.242 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034984.D

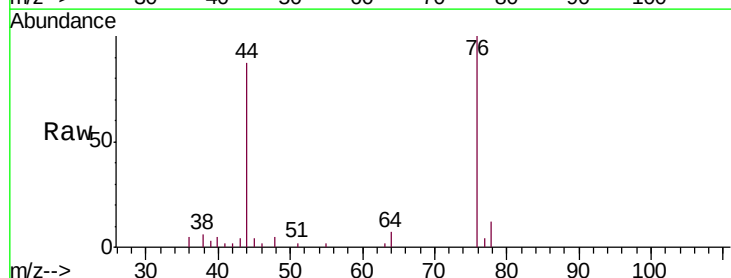
Acq: 08 Oct 2019 11:27

Tgt Ion: 76 Resp: 9574

Ion Ratio Lower Upper

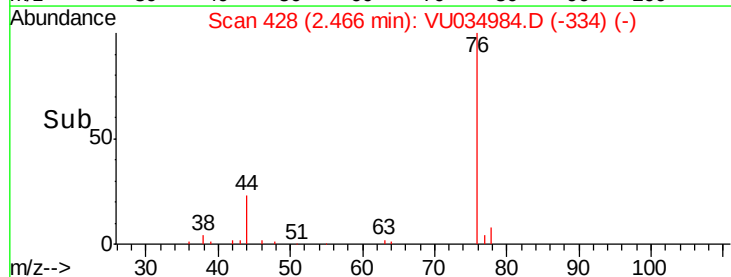
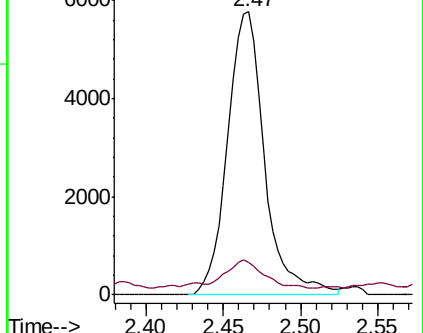
76 100

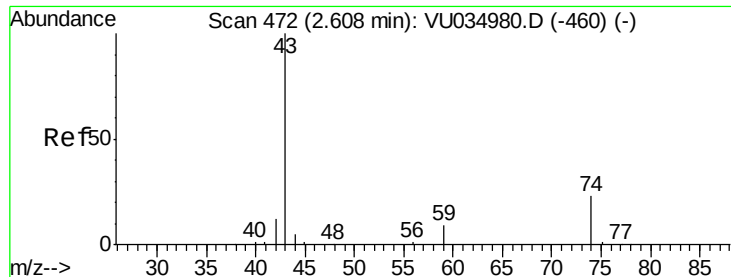
78 11.6 7.1 10.7#



Abundance Ion 76.05 (75.75 to 76.75): VU034980.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034980.D (-414) (-)

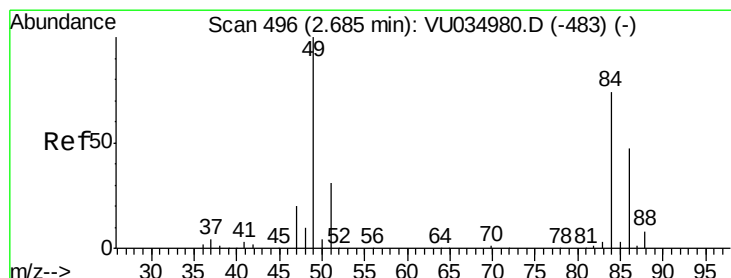
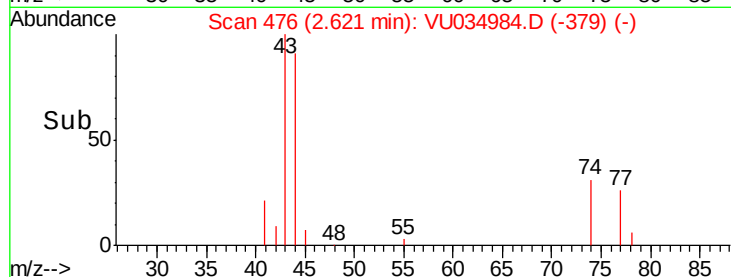
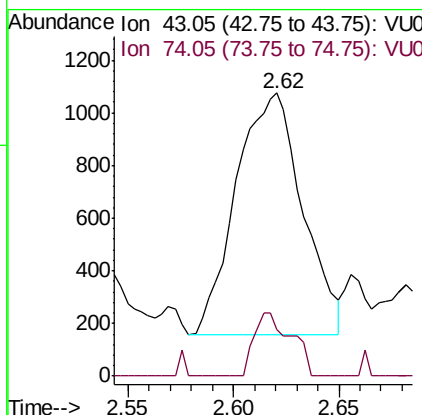
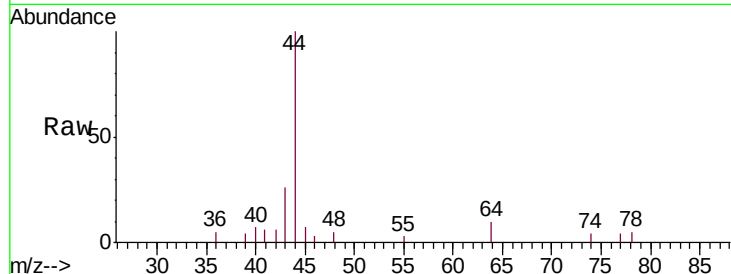




#15
Methyl Acetate
Concen: 0.286 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

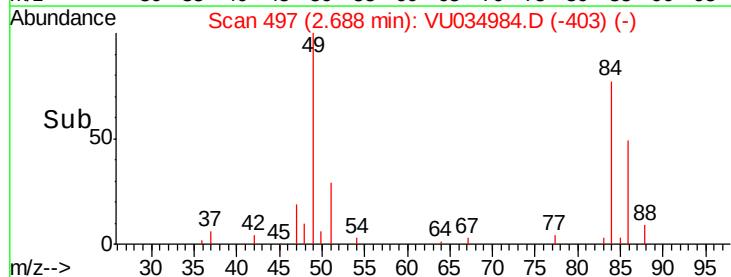
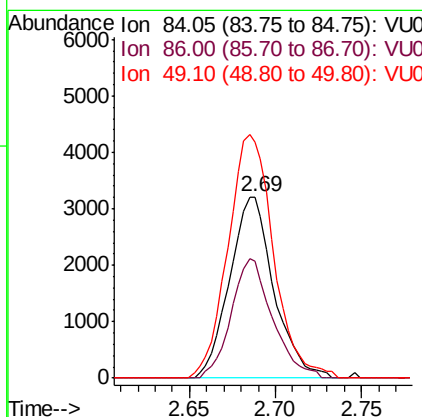
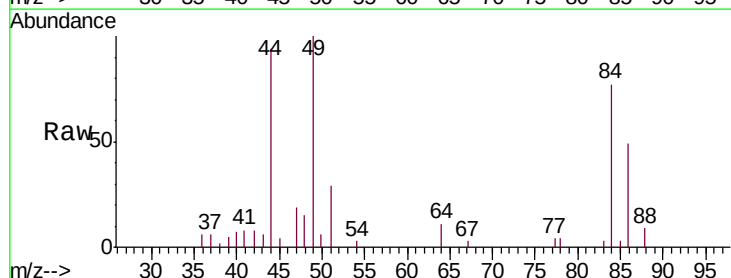
Instrument :
MSVOA_U
ClientSampleId :
MDL02

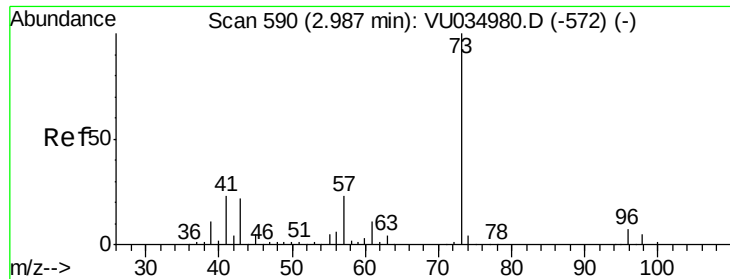
Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
74 14.6 17.8 26.8#



#16
Methylene chloride
Concen: 0.390 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 84 Resp: 5745
Ion Ratio Lower Upper
84 100
86 64.2 42.5 78.9
49 129.8 86.9 161.3

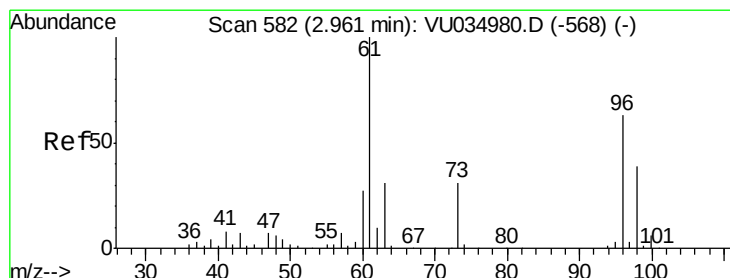
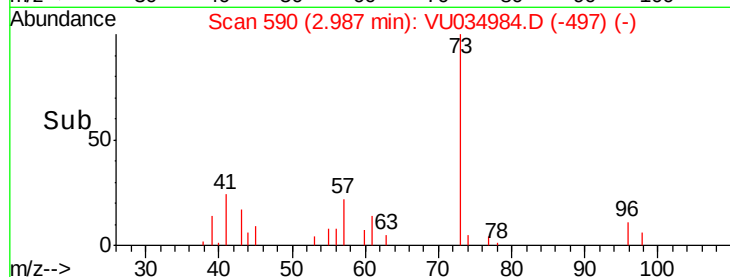
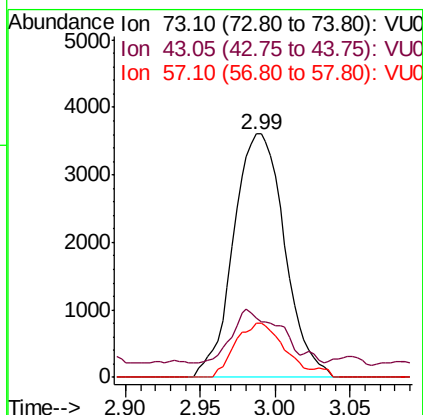
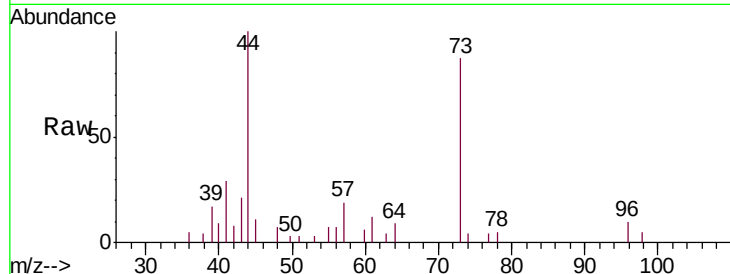




#17
Methyl tert-butyl Ether
Concen: 0.264 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

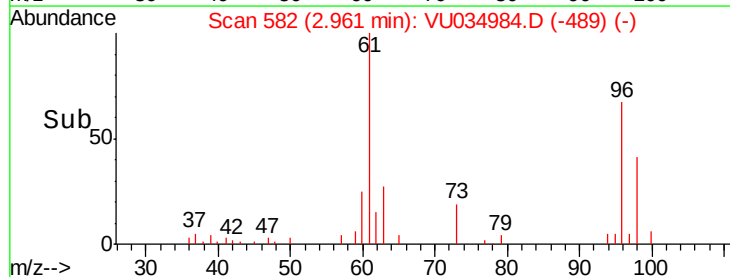
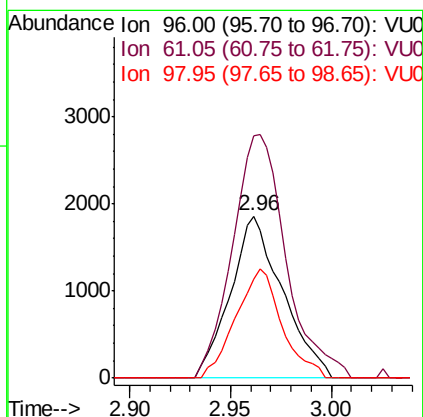
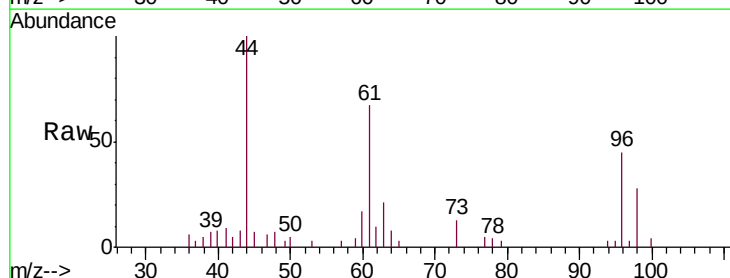
Instrument :
MSVOA_U
ClientSampleId :
MDL02

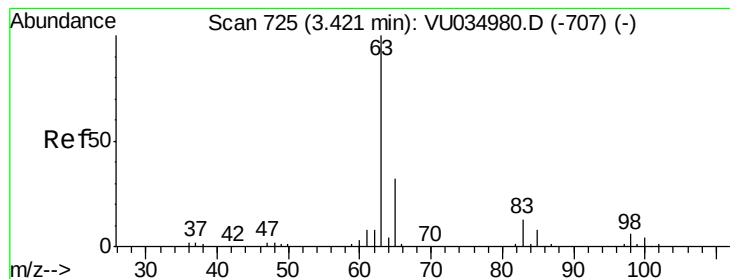
Tgt Ion: 73 Resp: 8561
Ion Ratio Lower Upper
73 100
43 19.9 16.3 24.5
57 21.2 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.263 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 96 Resp: 3356
Ion Ratio Lower Upper
96 100
61 149.3 107.1 198.9
98 61.4 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.261 ug/L

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

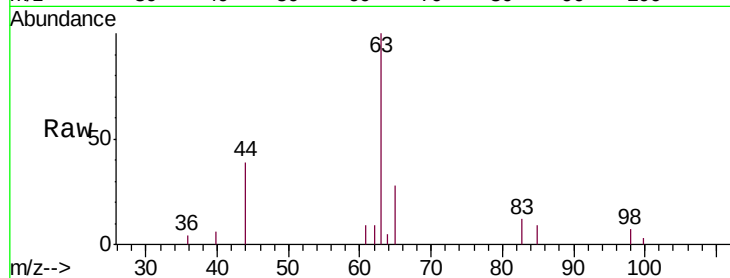
Tgt Ion: 63 Resp: 6620

Ion Ratio Lower Upper

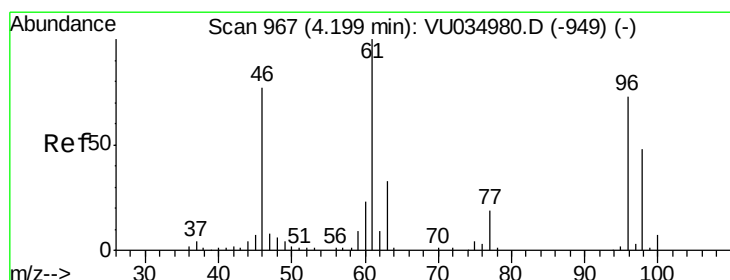
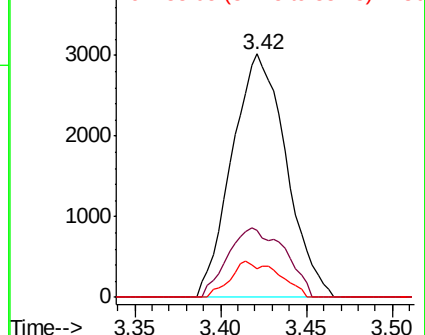
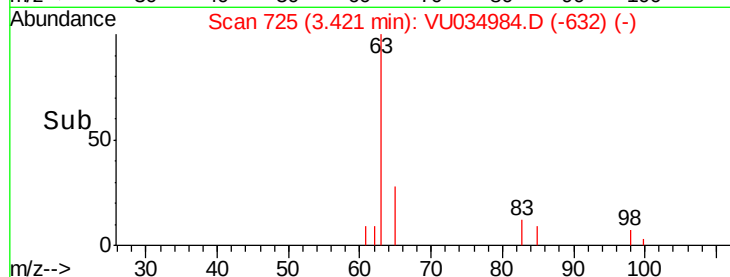
63 100

65 27.6 21.7 40.3

83 12.0 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU034984.D (-632) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.228 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

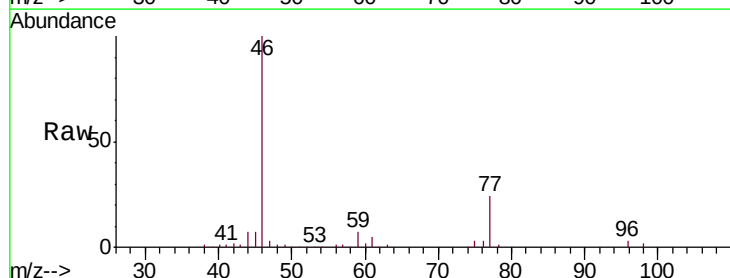
Tgt Ion: 96 Resp: 3244

Ion Ratio Lower Upper

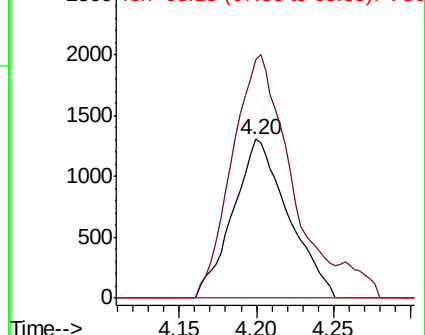
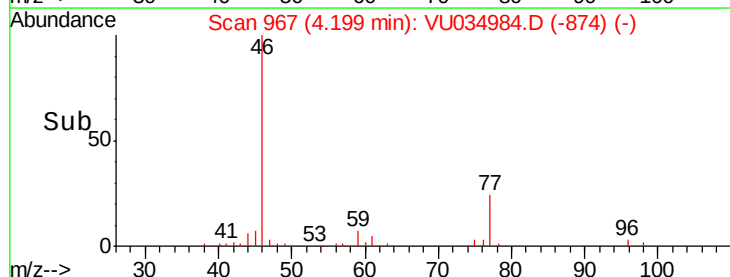
96 100

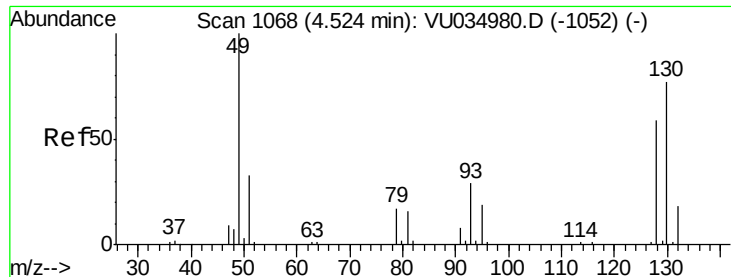
61 150.0 89.2 165.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU034984.D (-874) (-)





#23

Bromochloromethane

Concen: 0.266 ug/L

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:128 Resp: 1588

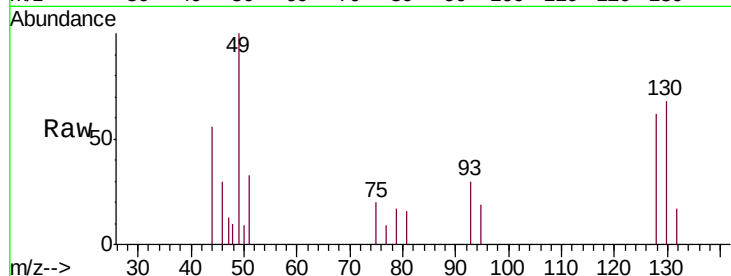
Ion Ratio Lower Upper

128 100

49 162.0 110.5 205.3

130 109.6 88.6 164.6

51 53.3 43.2 64.8

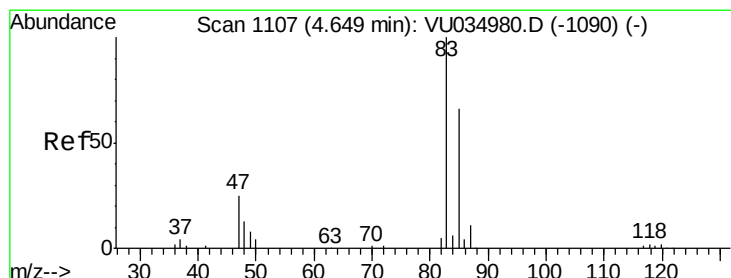
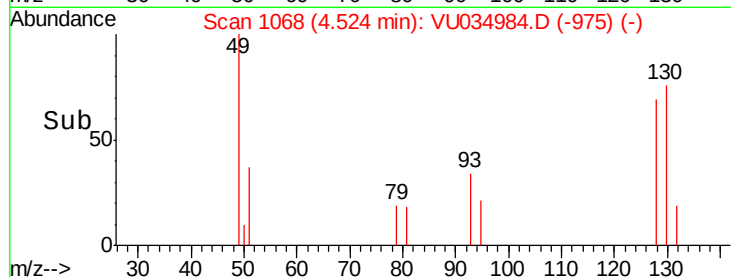
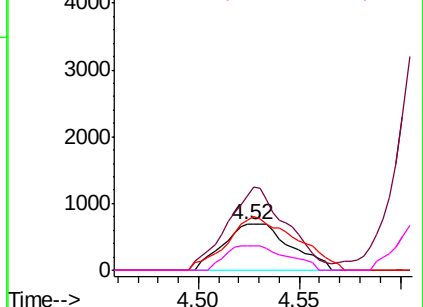


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0



#25

Chloroform

Concen: 0.902 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU034984.D

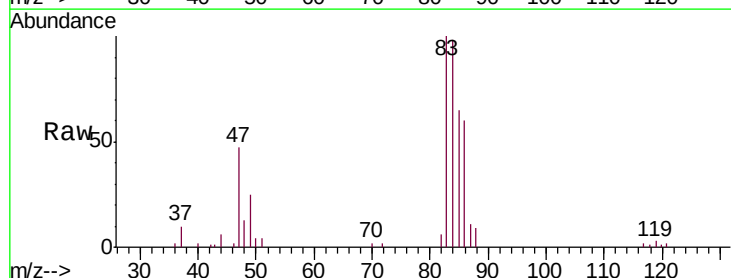
Acq: 08 Oct 2019 11:27

Tgt Ion: 83 Resp: 25687

Ion Ratio Lower Upper

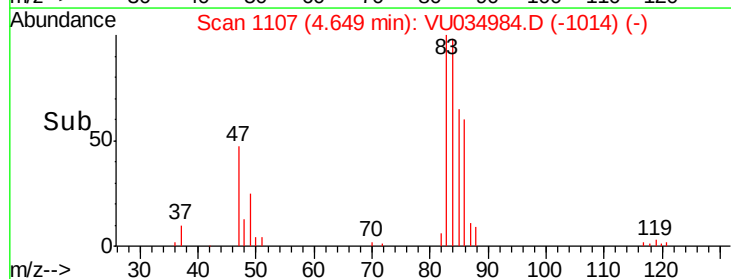
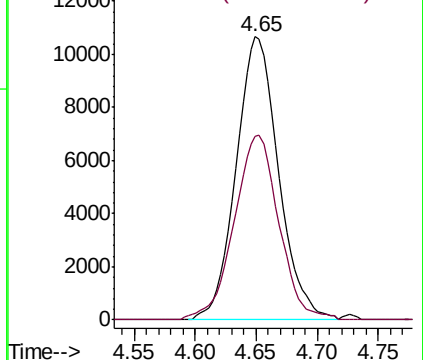
83 100

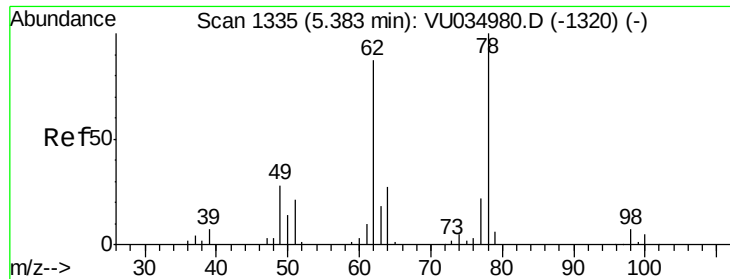
85 64.8 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

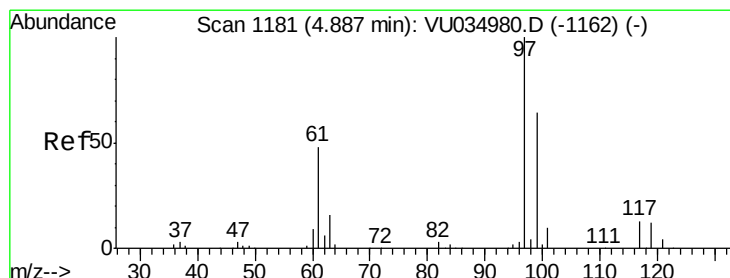
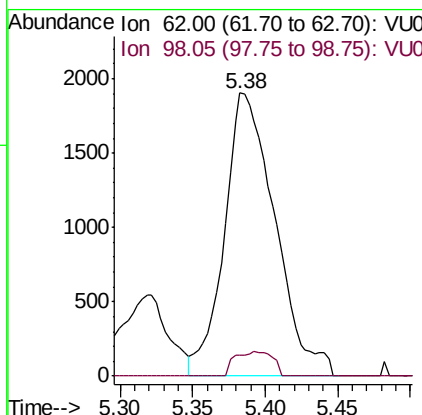
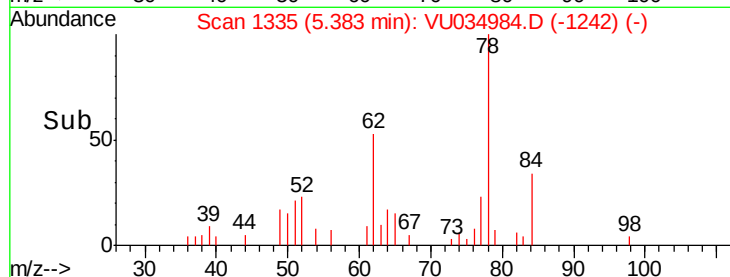
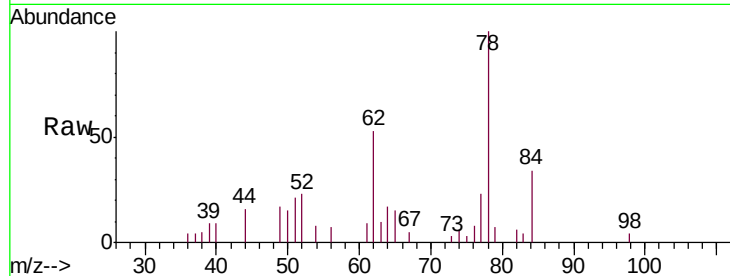




#27
 1,2-Dichloroethane
 Concen: 0.277 ug/L
 RT: 5.38 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

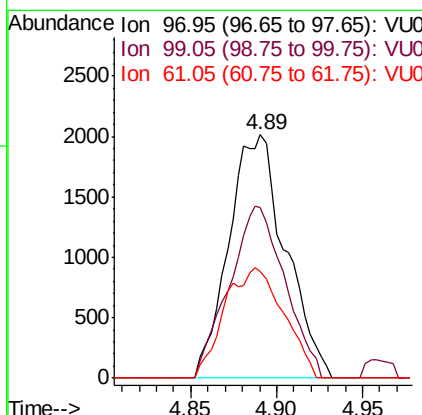
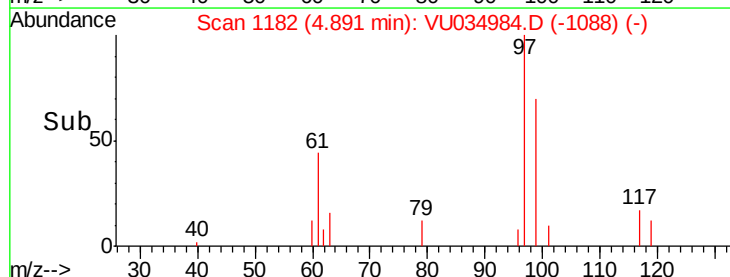
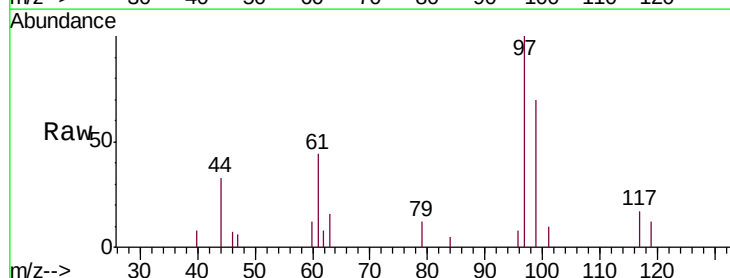
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

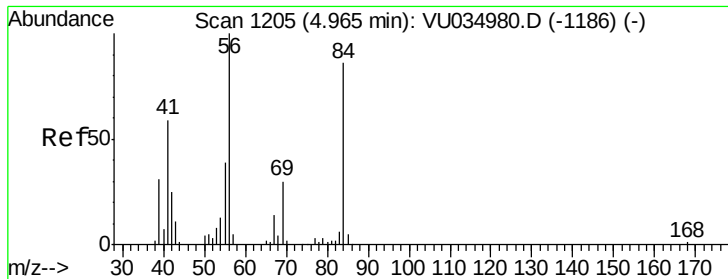
Tgt Ion: 62 Resp: 4609
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.6 10.0



#29
 1,1,1-Trichloroethane
 Concen: 0.223 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 97 Resp: 4620
 Ion Ratio Lower Upper
 97 100
 99 69.3 51.6 77.4
 61 47.3 36.2 54.4

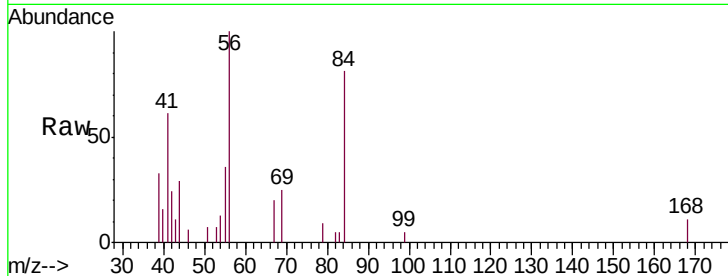




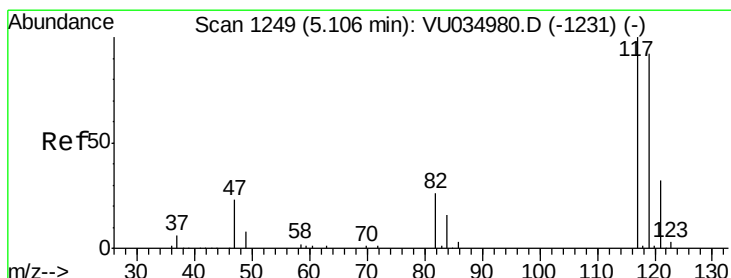
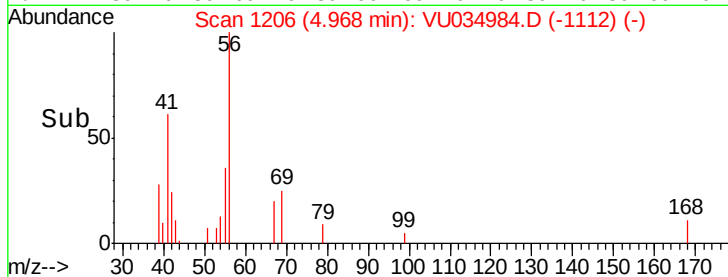
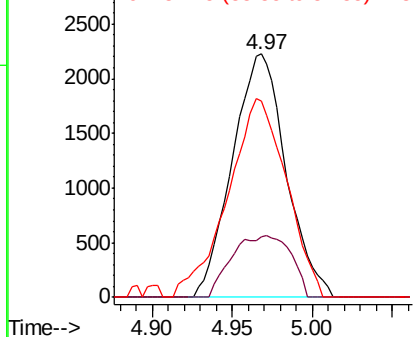
#30
Cyclohexane
Concen: 0.225 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 56 Resp: 5121
Ion Ratio Lower Upper
56 100
69 27.9 23.9 35.9
84 88.9 69.5 104.3

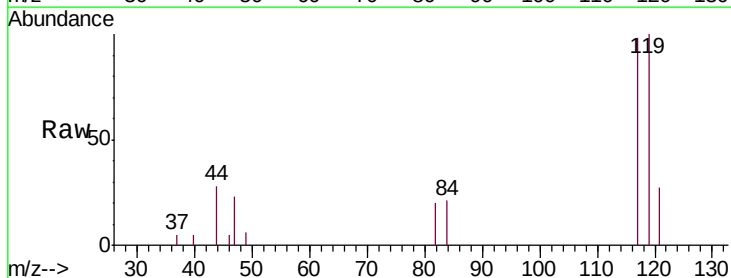


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

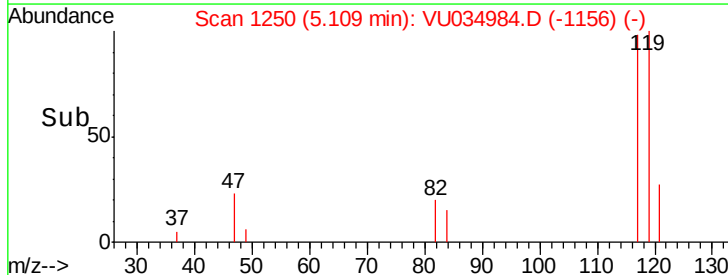
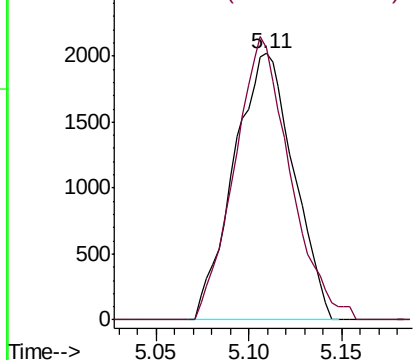


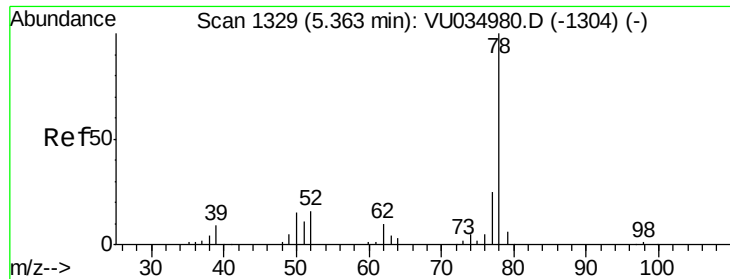
#31
Carbon tetrachloride
Concen: 0.253 ug/L
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 117 Resp: 4542
Ion Ratio Lower Upper
117 100
119 98.8 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#33

Benzene

Concen: 0.243 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

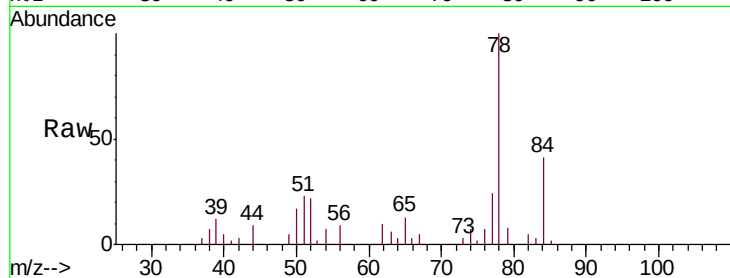
Instrument :

MSVOA_U

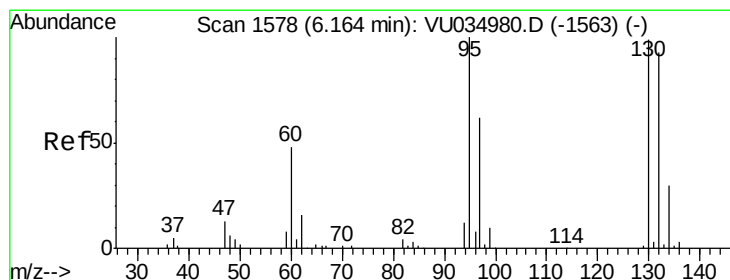
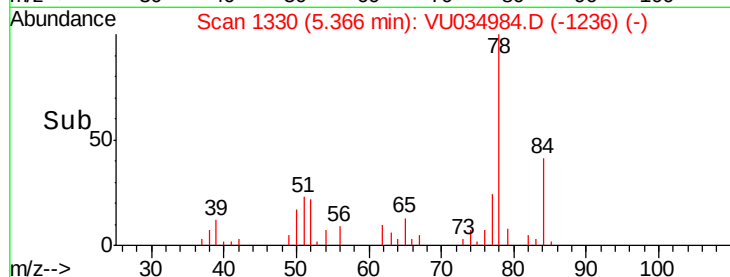
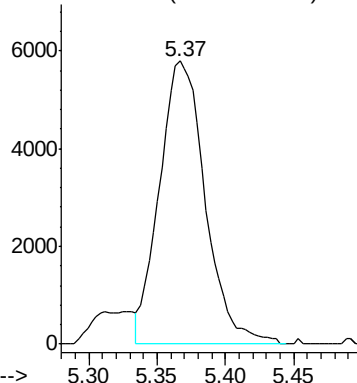
ClientSampled :

MDL02

Tgt Ion: 78 Resp: 13512



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.230 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion: 95 Resp: 3293

Ion	Ratio	Lower	Upper
95	100		
97	68.1	44.5	82.7
132	99.2	66.6	123.8
130	111.3	68.9	127.9

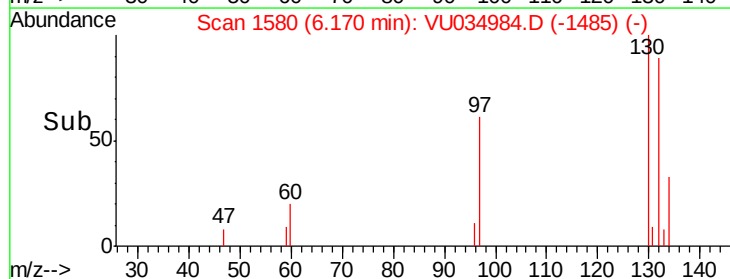
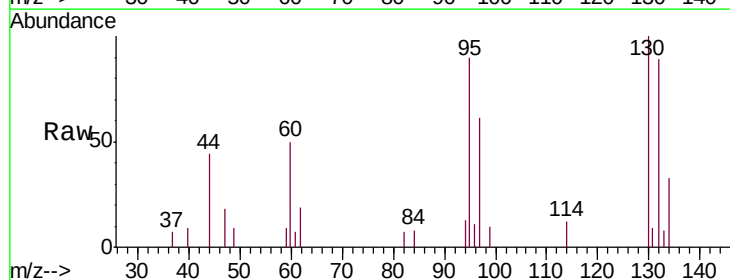
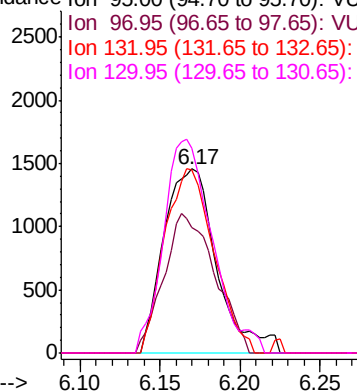
Ion 95.00 (94.70 to 95.70): VU0

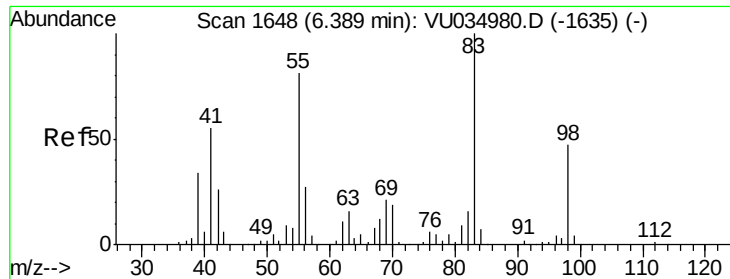
Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Abundance Ion 95.00 (94.70 to 95.70): VU0

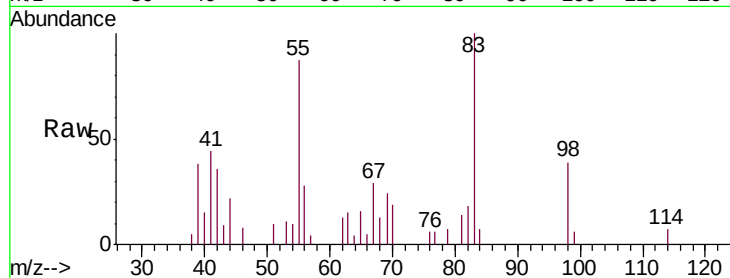




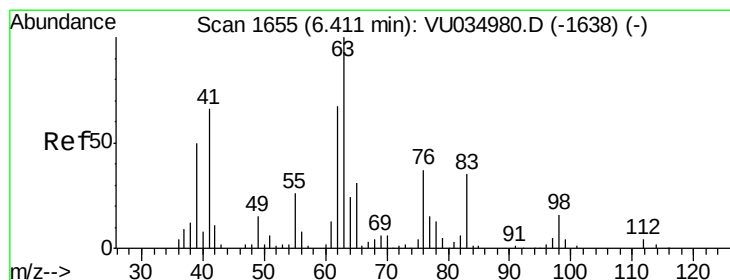
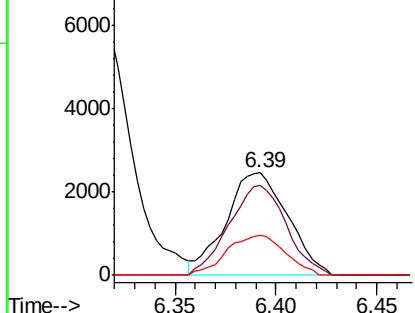
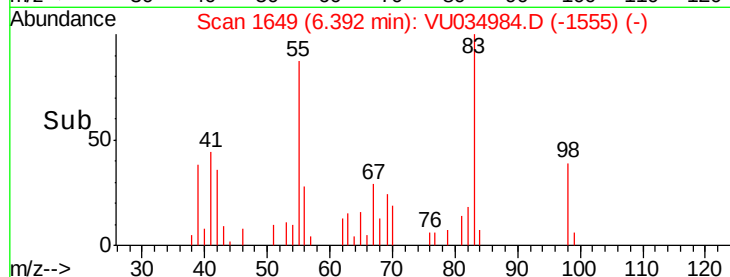
#35
Methylcyclohexane
Concen: 0.227 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 83 Resp: 5274
Ion Ratio Lower Upper
83 100
55 81.1 62.6 94.0
98 37.0 36.2 54.2

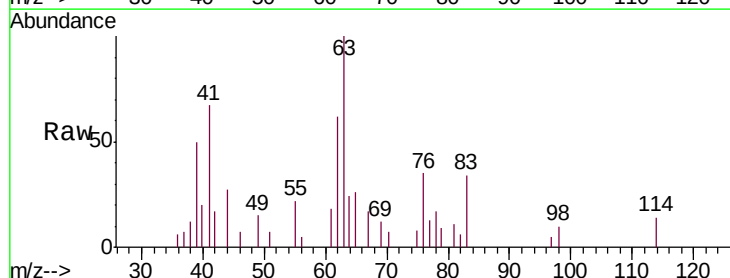


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

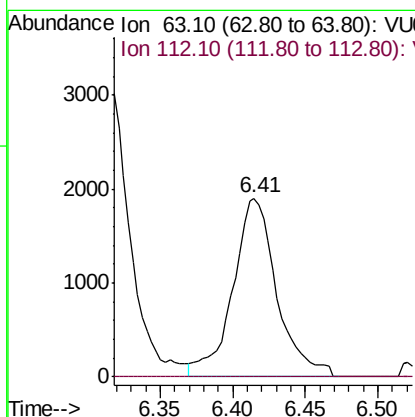
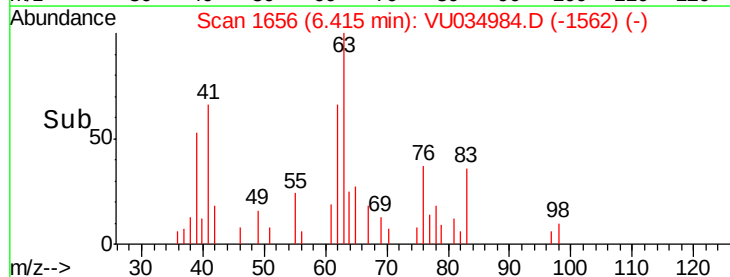


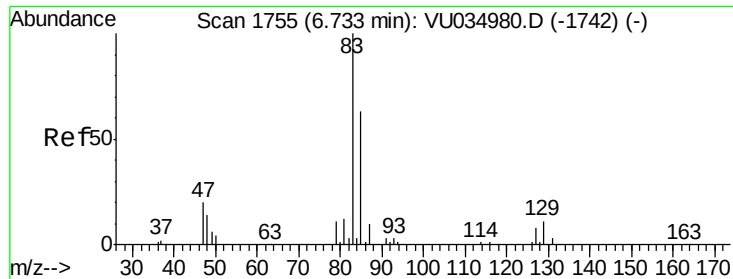
#37
1,2-Dichloropropane
Concen: 0.267 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 63 Resp: 4006
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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





#38

Bromodichloromethane

Concen: 0.257 ug/L

RT: 6.74 min Scan# 1757

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

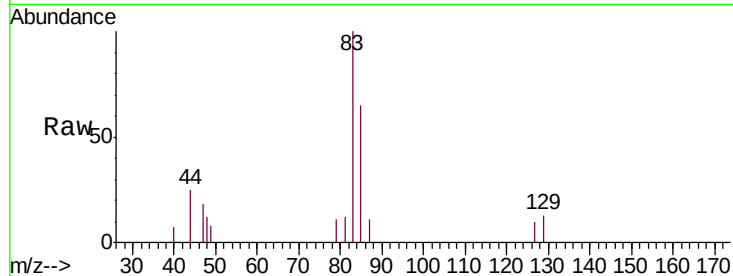
Tgt Ion: 83 Resp: 4514

Ion Ratio Lower Upper

83 100

85 65.4 44.0 81.8

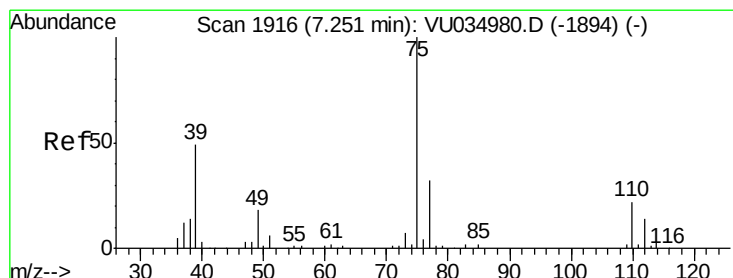
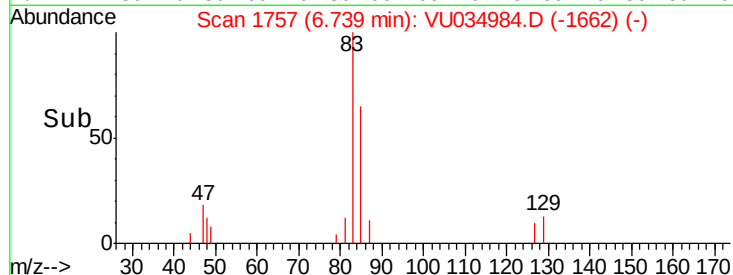
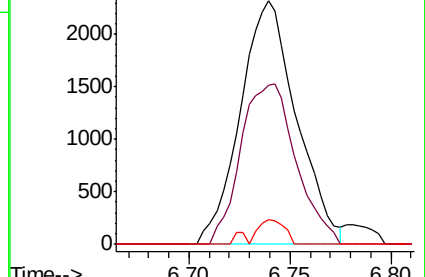
127 10.4 7.0 10.4



Abundance Ion 82.95 (82.65 to 83.65): VU034984.D (-1742) (-)

Ion 85.00 (84.70 to 85.70): VU034984.D (-1742) (-)

Ion 126.90 (126.60 to 127.60): VU034984.D (-1742) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.153 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.01 min

Lab File: VU034984.D

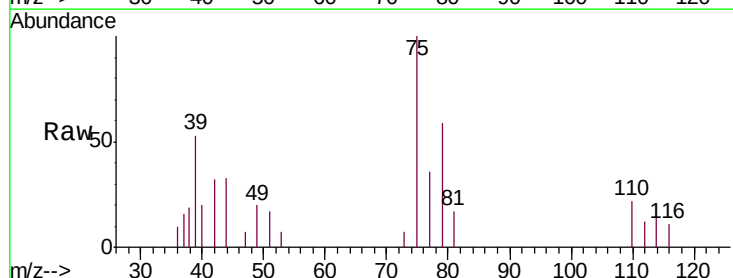
Acq: 08 Oct 2019 11:27

Tgt Ion: 75 Resp: 3102

Ion Ratio Lower Upper

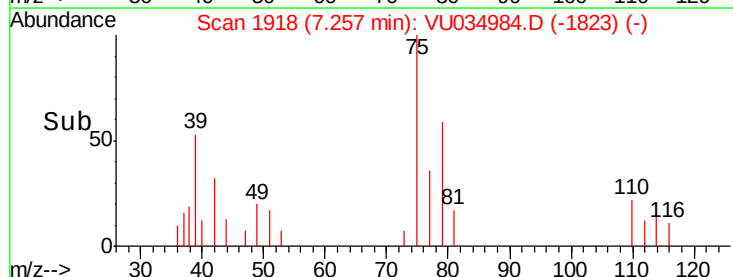
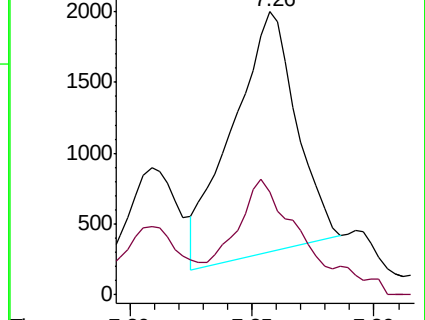
75 100

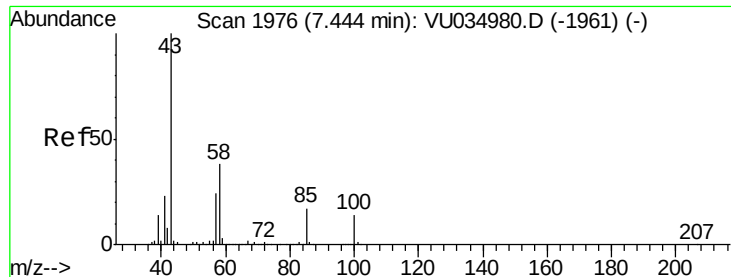
77 36.2 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU034984.D (-1894) (-)

Ion 77.05 (76.75 to 77.75): VU034984.D (-1894) (-)

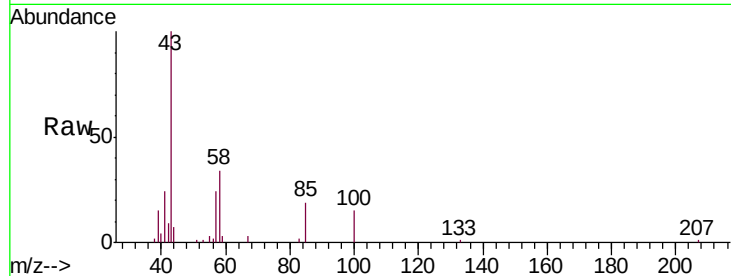




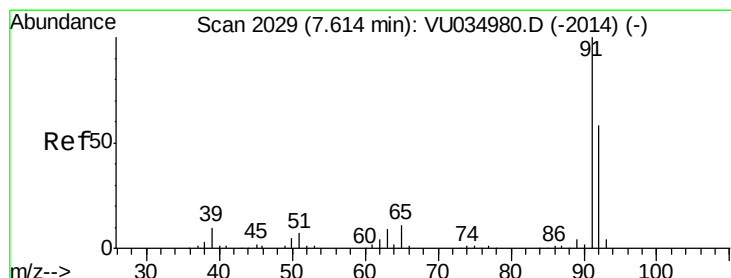
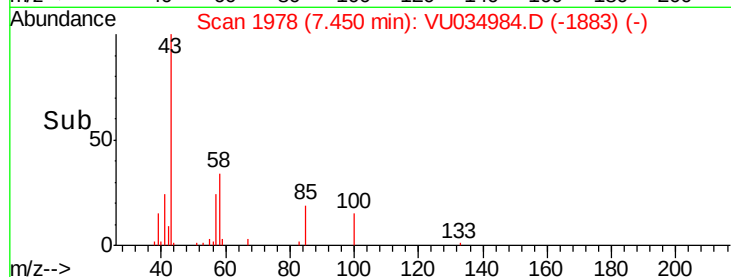
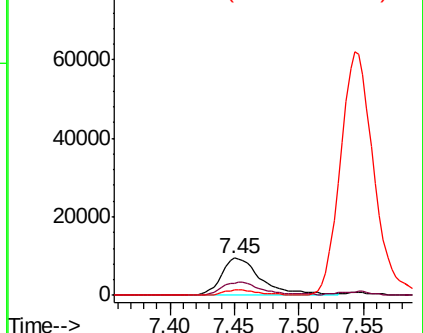
#40
4-Methyl-2-pentanone
Concen: 2.180 ug/L
RT: 7.45 min Scan# 1978
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tgt Ion: 43 Resp: 20562
Ion Ratio Lower Upper
43 100
58 34.3 32.4 48.6
100 0.0 11.9 17.9#

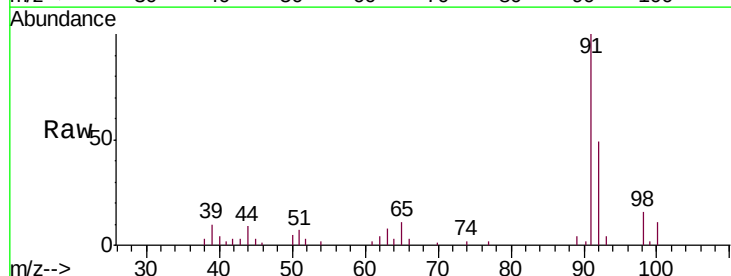


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 100.15 (99.85 to 100.85): VU0

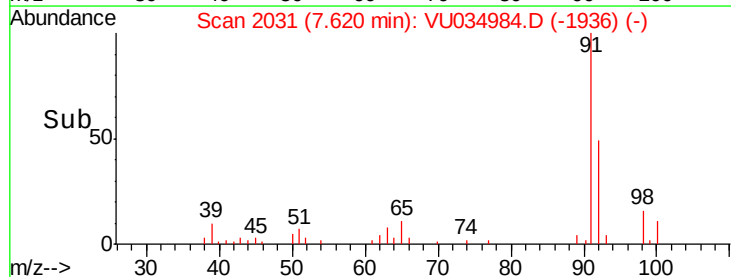
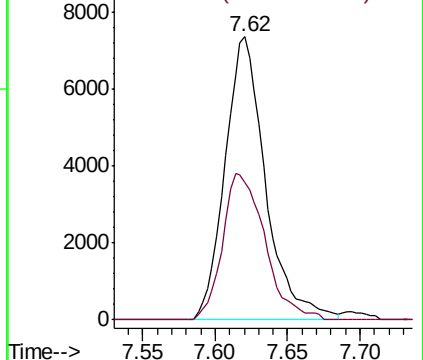


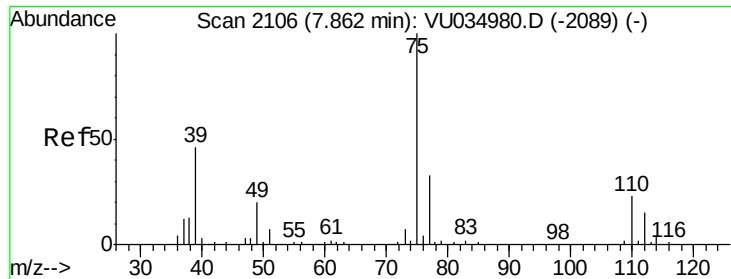
#42
Toluene
Concen: 0.246 ug/L
RT: 7.62 min Scan# 2031
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 91 Resp: 14274
Ion Ratio Lower Upper
91 100
92 48.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0
Ion 92.15 (91.85 to 92.85): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.246 ug/L

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

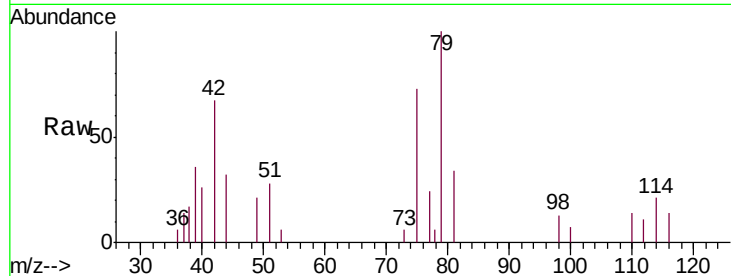
MDL02

Tgt Ion: 75 Resp: 3861

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034980.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034980.D (-2089) (-)

7.86

1500

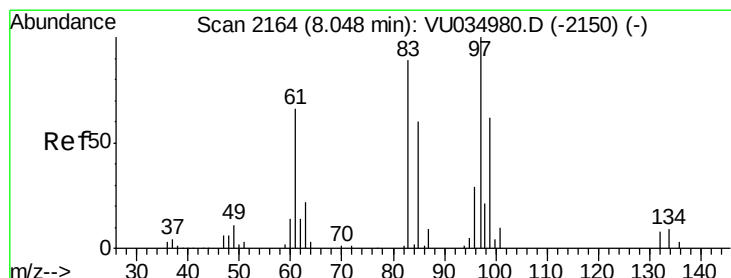
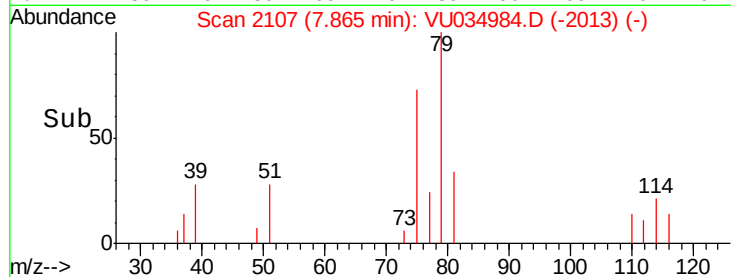
1000

500

0

7.80 7.85 7.90

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.253 ug/L

RT: 8.05 min Scan# 2166

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion: 97 Resp: 2518

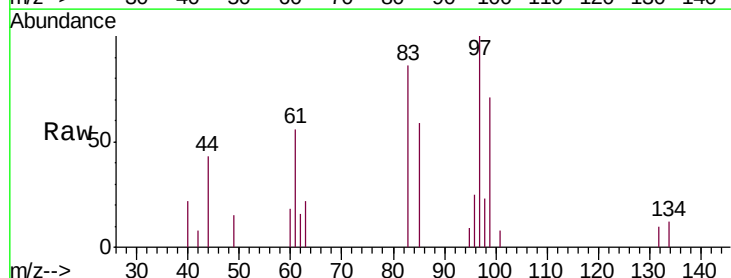
Ion Ratio Lower Upper

97 100

99 71.1 42.3 78.5

83 85.6 58.0 107.6

85 58.5 37.8 70.2



Abundance Ion 96.95 (96.65 to 97.65): VU034980.D (-2150) (-)

Ion 99.05 (98.75 to 99.75): VU034980.D (-2150) (-)

Ion 82.95 (82.65 to 83.65): VU034980.D (-2150) (-)

Ion 85.00 (84.70 to 85.70): VU034980.D (-2150) (-)

8.05

1500

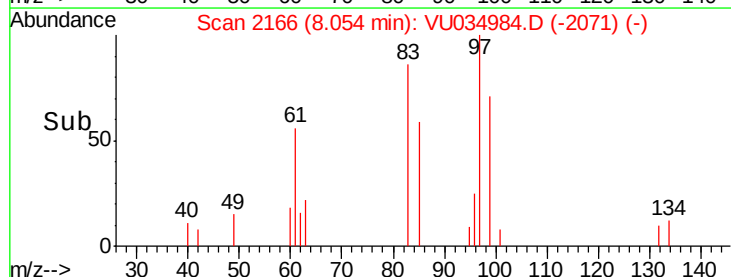
1000

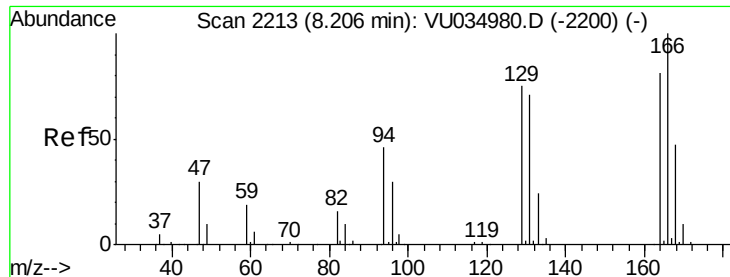
500

0

8.00 8.05 8.10

Time-->





#47

Tetrachloroethene

Concen: 0.238 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tgt Ion:164 Resp: 2761

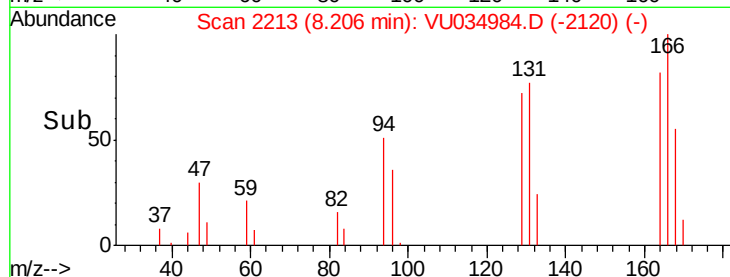
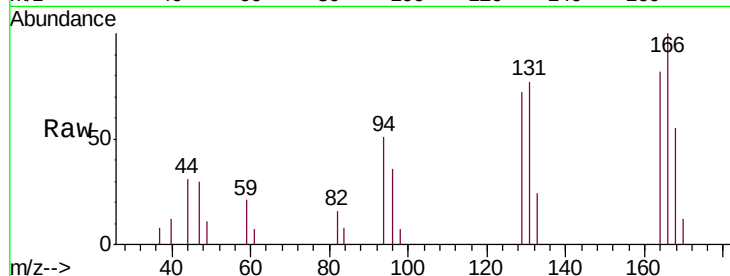
Ion Ratio Lower Upper

164 100

129 88.0 68.5 127.1

131 95.0 67.3 124.9

166 122.6 93.1 172.9

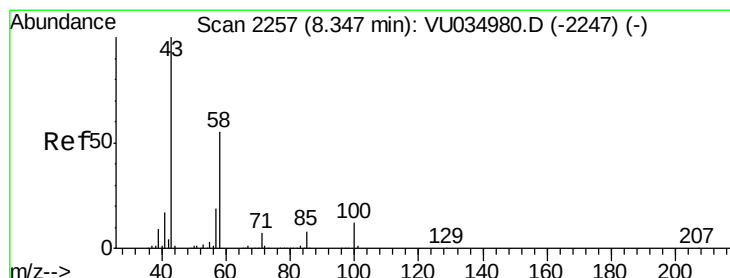
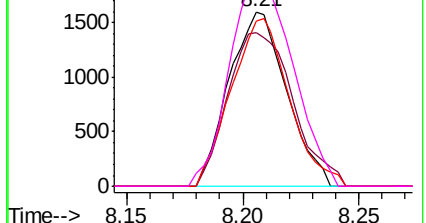


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.673 ug/L

RT: 8.35 min Scan# 2259

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion: 43 Resp: 17286

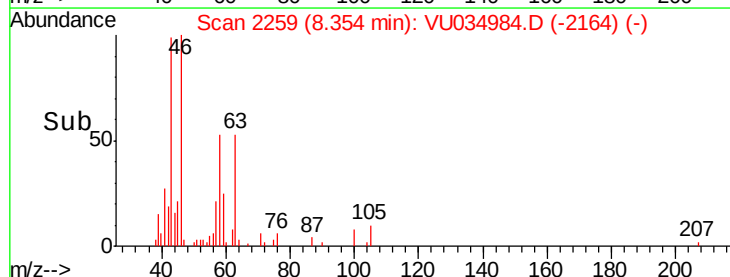
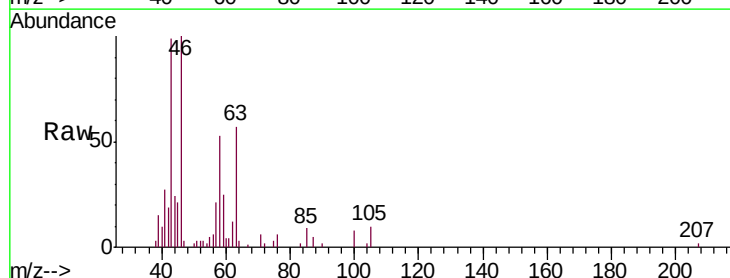
Ion Ratio Lower Upper

43 100

58 56.8 44.1 66.1

57 21.2 15.8 23.8

100 10.5 9.4 14.2

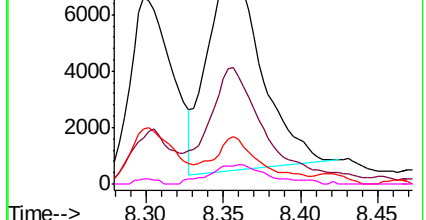


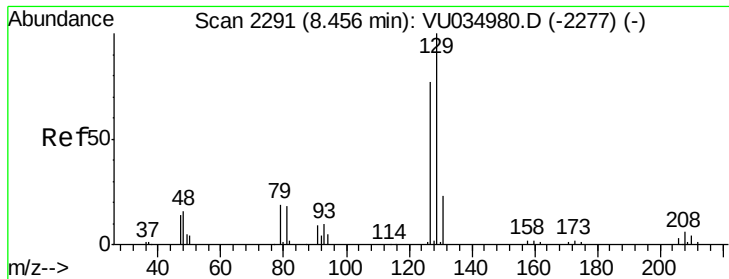
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

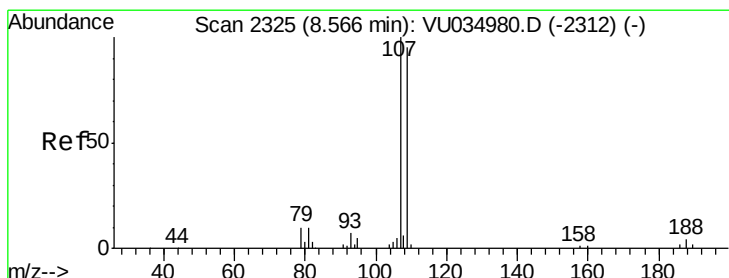
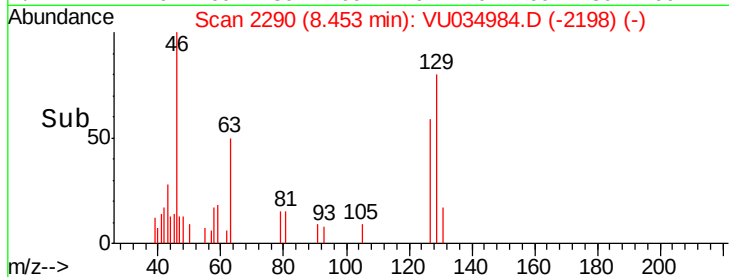
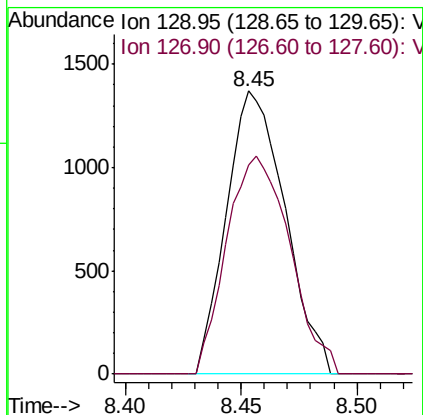
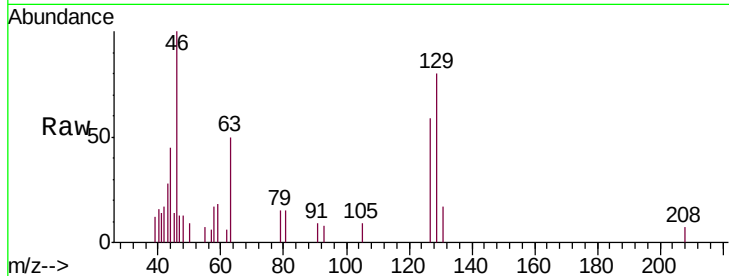




#49
 Dibromochloromethane
 Concen: 0.209 ug/L
 RT: 8.45 min Scan# 2290
 Delta R.T. -0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

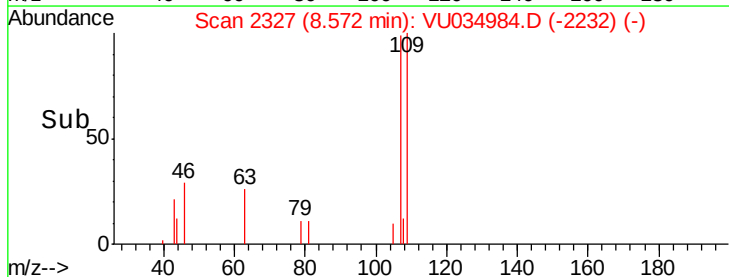
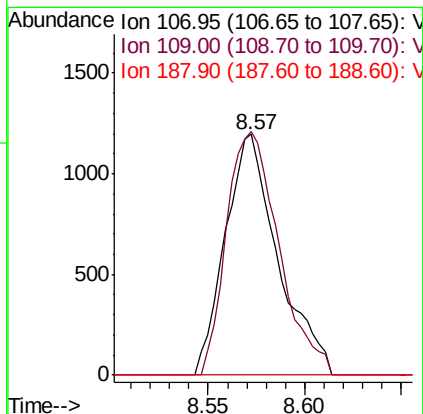
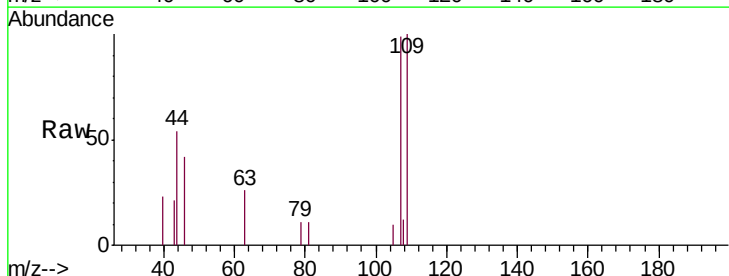
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

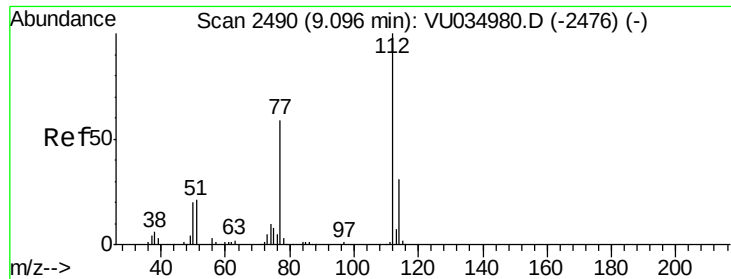
Tgt Ion:129 Resp: 2408
 Ion Ratio Lower Upper
 129 100
 127 73.9 51.9 96.5



#50
 1,2-Dibromoethane
 Concen: 0.237 ug/L
 RT: 8.57 min Scan# 2327
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion:107 Resp: 2258
 Ion Ratio Lower Upper
 107 100
 109 101.2 64.8 120.4
 188 0.0 3.0 4.6#





#51

Chlorobenzene

Concen: 0.243 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

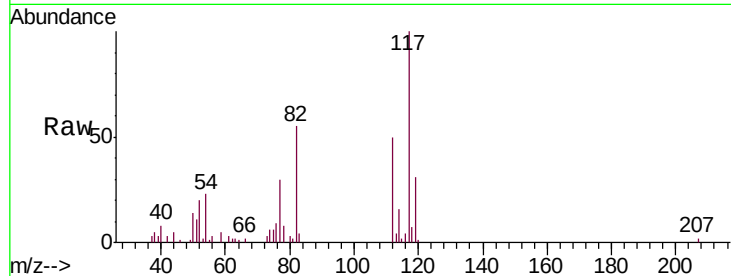
Tgt Ion: 112 Resp: 9129

Ion Ratio Lower Upper

112 100

114 32.5 22.1 41.1

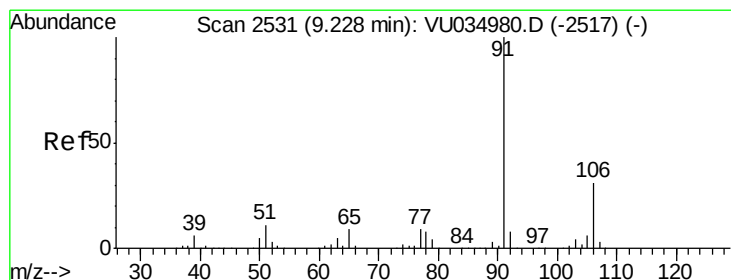
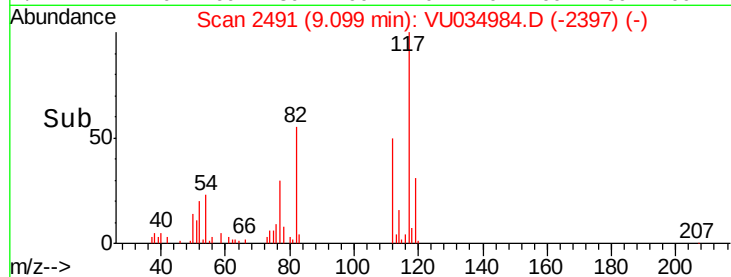
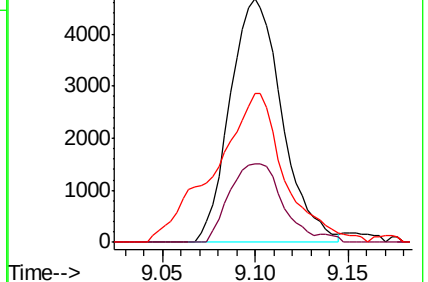
77 61.0 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#52

Ethylbenzene

Concen: 0.233 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034984.D

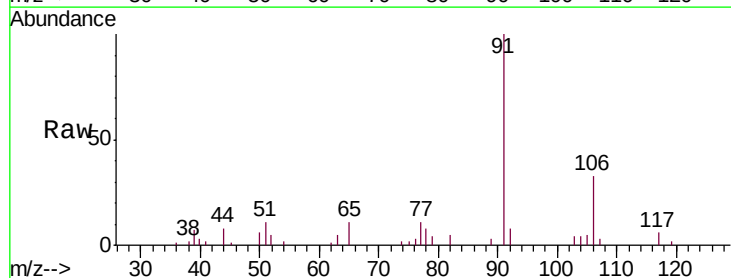
Acq: 08 Oct 2019 11:27

Tgt Ion: 91 Resp: 14932

Ion Ratio Lower Upper

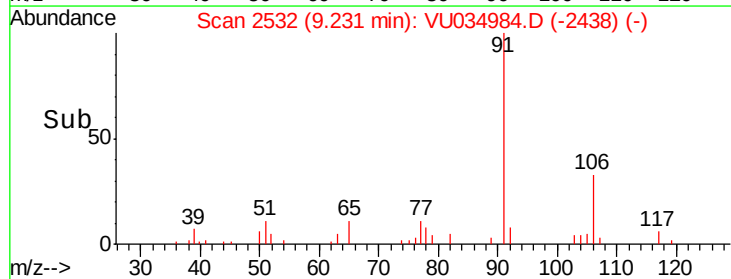
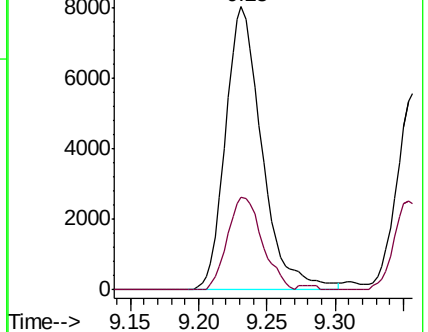
91 100

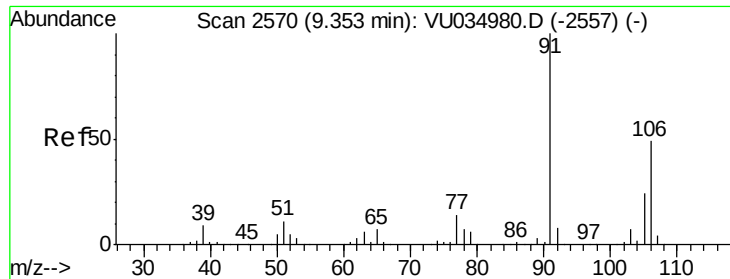
106 32.6 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): V

Ion 106.15 (105.85 to 106.85): V





#53

m,p-Xylene

Concen: 0.224 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

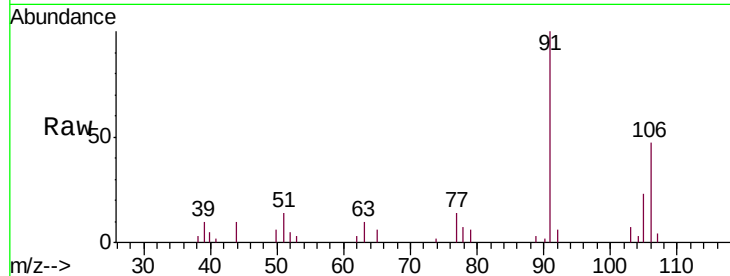
MDL02

Tgt Ion:106 Resp: 5304

Ion Ratio Lower Upper

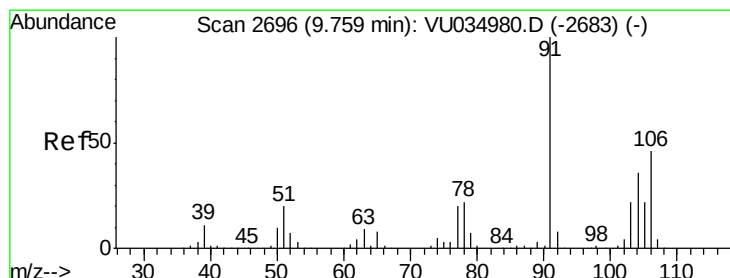
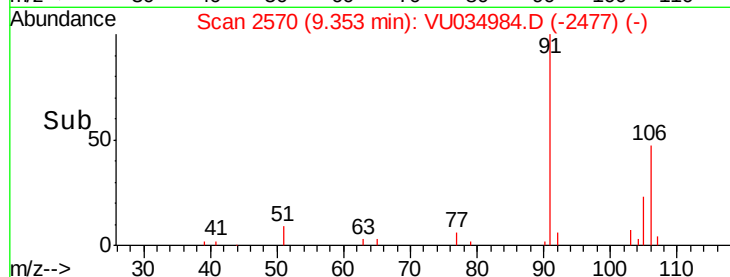
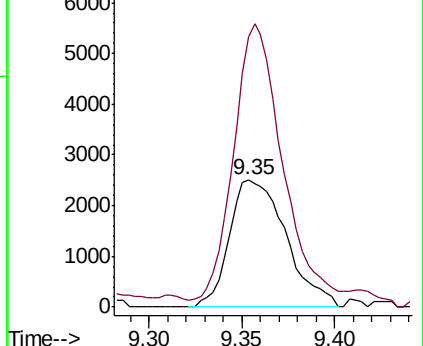
106 100

91 212.4 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.223 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VU034984.D

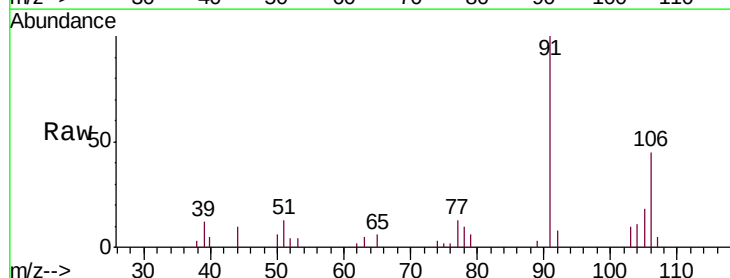
Acq: 08 Oct 2019 11:27

Tgt Ion:106 Resp: 5168

Ion Ratio Lower Upper

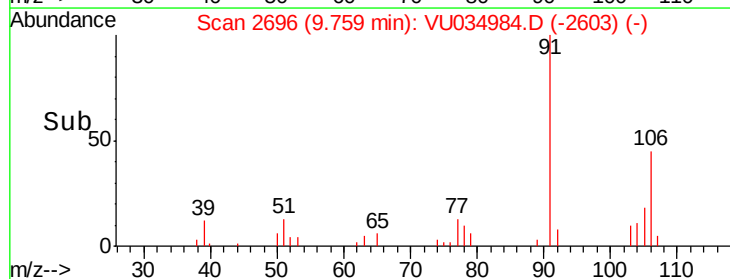
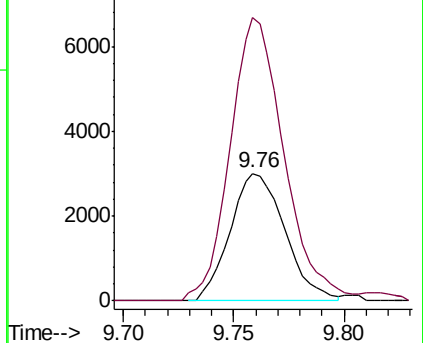
106 100

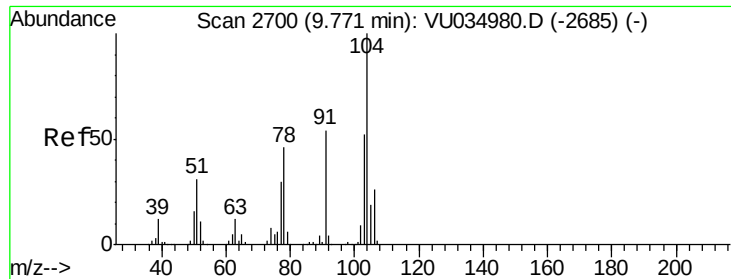
91 222.1 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.185 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

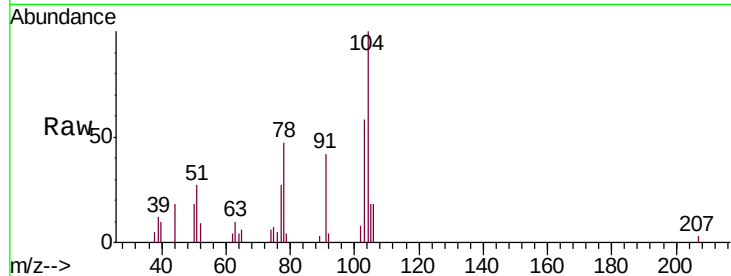
MDL02

Tgt Ion:104 Resp: 6919

Ion Ratio Lower Upper

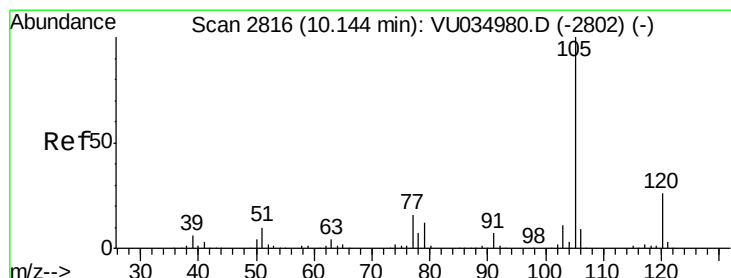
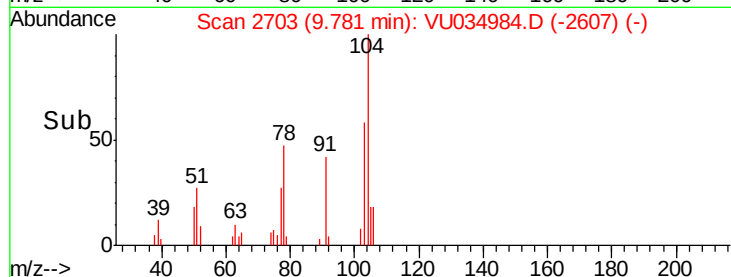
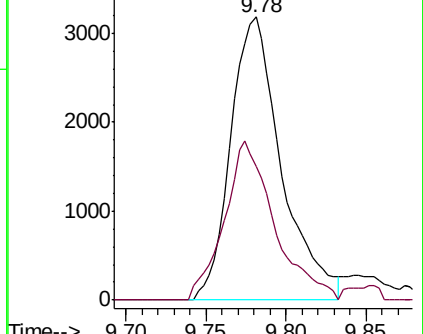
104 100

78 51.2 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0



#56

Isopropylbenzene

Concen: 0.214 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

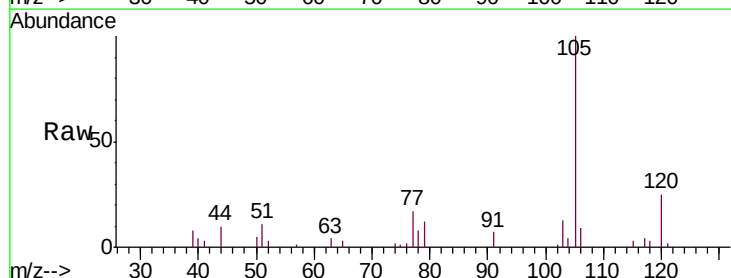
Tgt Ion:105 Resp: 13216

Ion Ratio Lower Upper

105 100

120 24.4 21.3 31.9

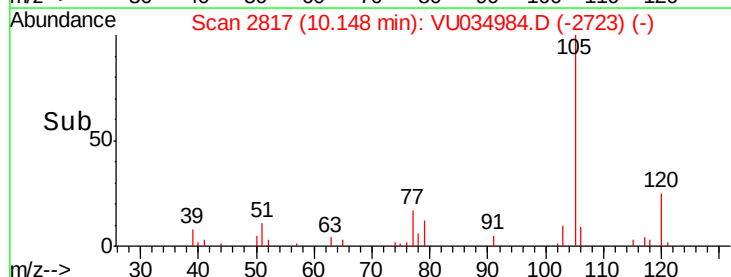
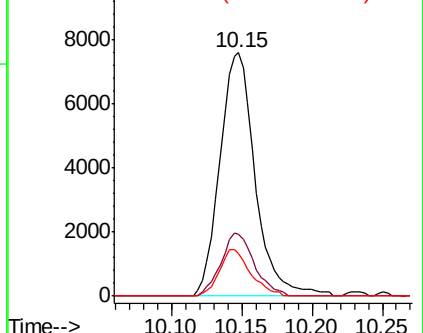
77 16.9 13.0 19.4

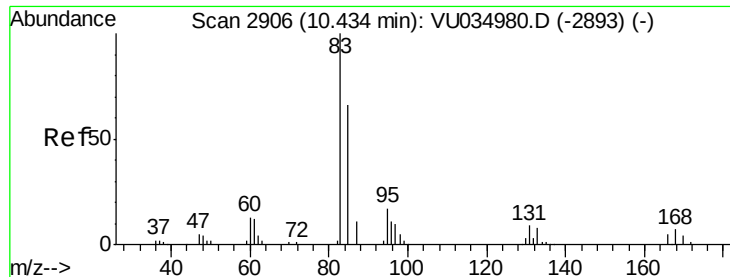


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.246 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

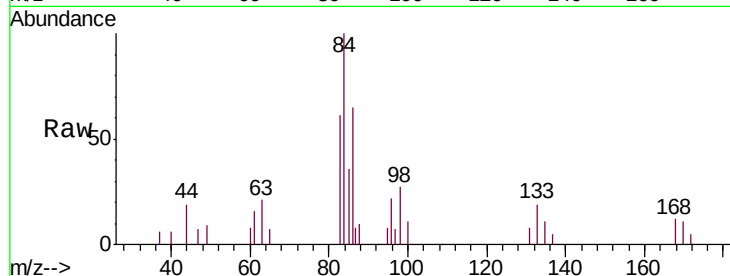
Tgt Ion: 83 Resp: 3324

Ion Ratio Lower Upper

83 100

85 58.9 44.6 82.8

131 13.0 7.4 11.2#

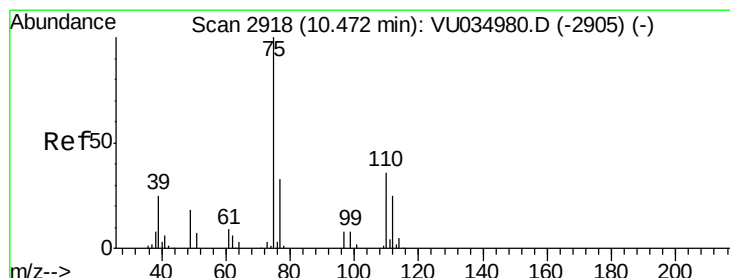
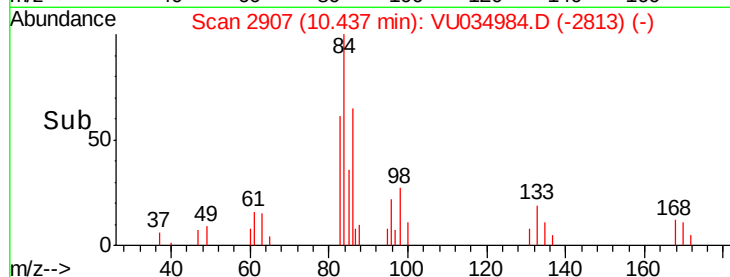


Abundance Ion 82.95 (82.65 to 83.65): VU034980.D (-2893) (-)

Ion 85.00 (84.70 to 85.70): VU034980.D (-2893) (-)

Ion 130.95 (130.65 to 131.65): VU034980.D (-2893) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.252 ug/L

RT: 11.46 min Scan# 3226

Delta R.T. 0.99 min

Lab File: VU034984.D

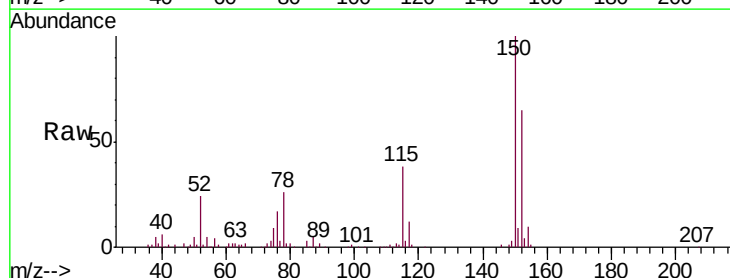
Acq: 08 Oct 2019 11:27

Tgt Ion: 75 Resp: 12143

Ion Ratio Lower Upper

75 100

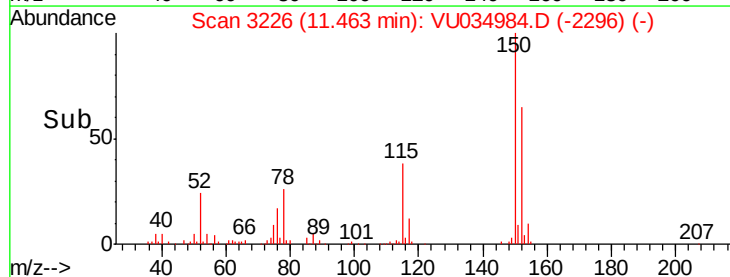
77 30.4 26.5 39.7

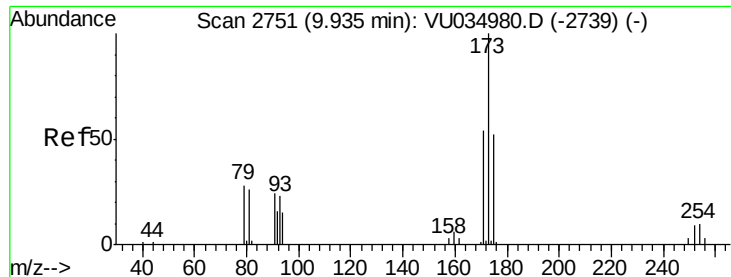


Abundance Ion 75.00 (74.70 to 75.70): VU034980.D (-2905) (-)

Ion 77.00 (76.70 to 77.70): VU034980.D (-2905) (-)

Time-->





#61

Bromoform

Concen: 0.208 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

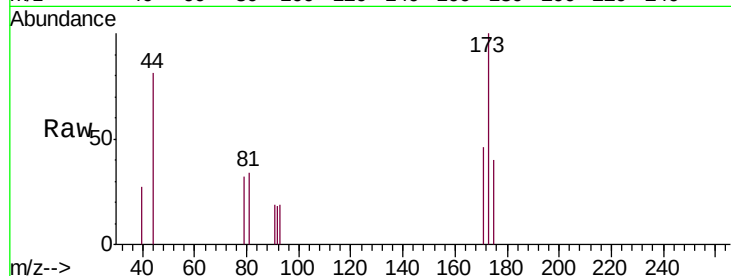
Tgt Ion:173 Resp: 1136

Ion Ratio Lower Upper

173 100

175 38.4 37.2 55.8

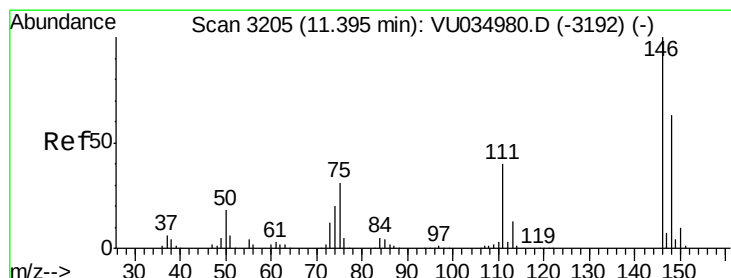
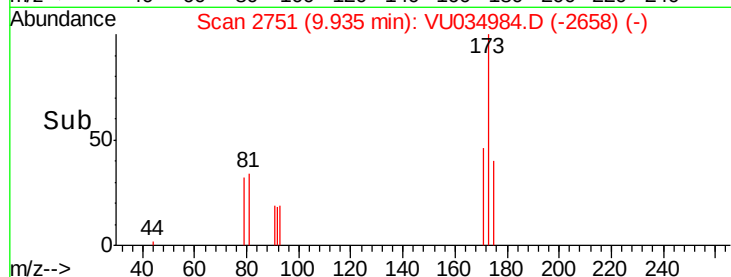
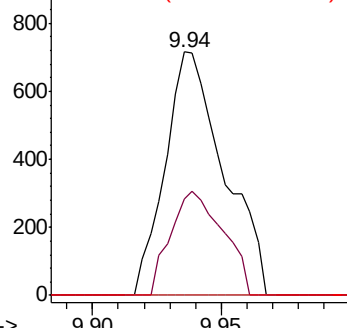
254 0.0 6.6 9.8#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.258 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

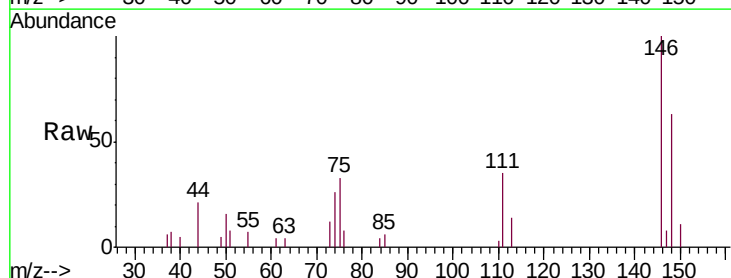
Tgt Ion:146 Resp: 6340

Ion Ratio Lower Upper

146 100

111 35.2 28.6 53.2

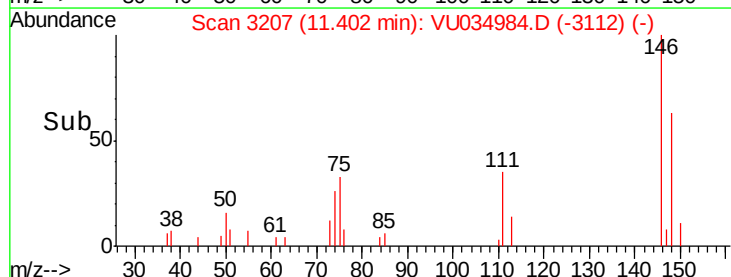
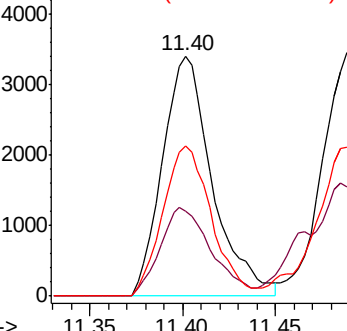
148 62.8 45.0 83.6

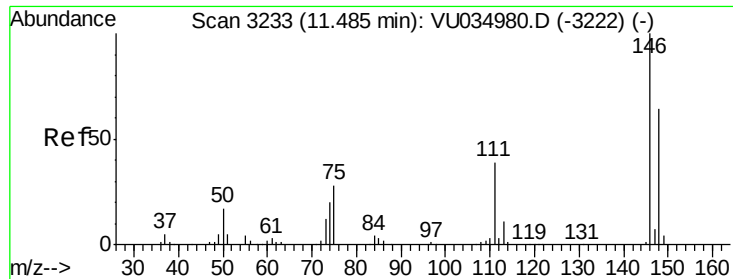


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

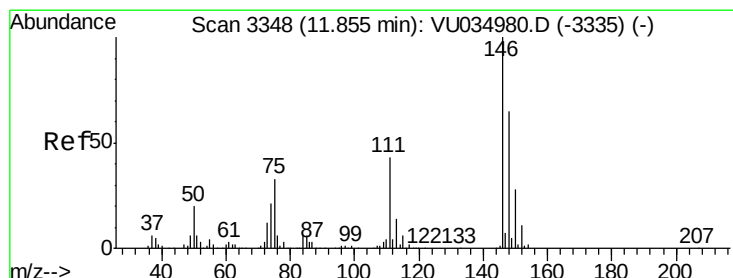
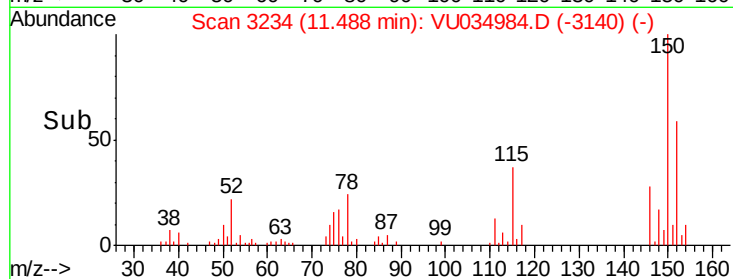
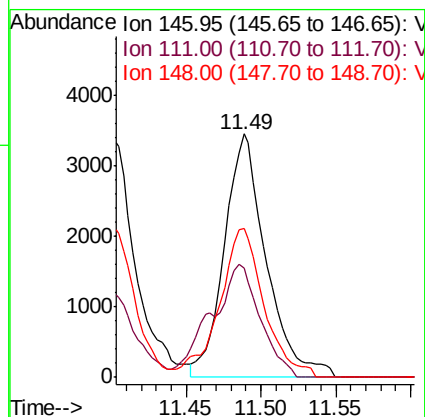
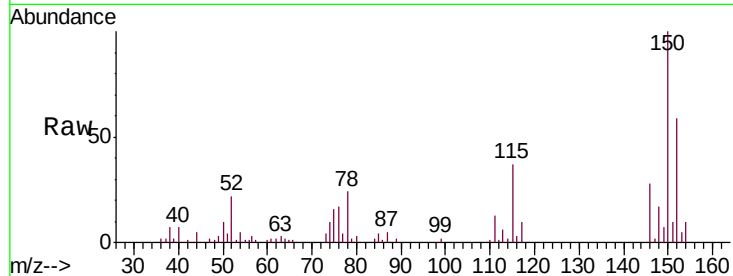




#63
 1,4-Dichlorobenzene
 Concen: 0.271 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

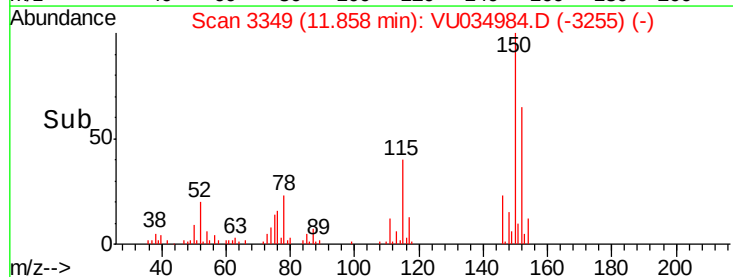
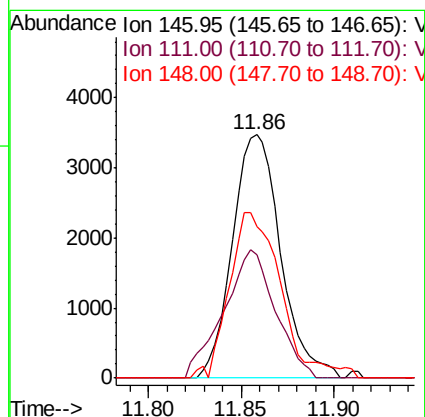
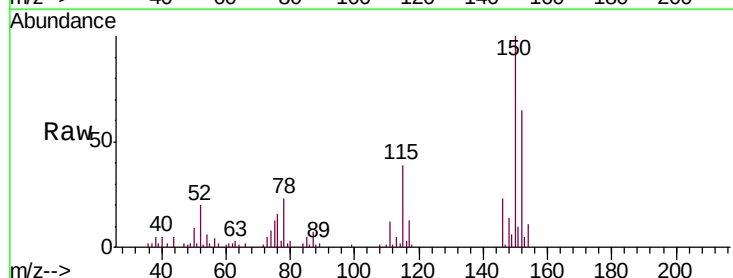
Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

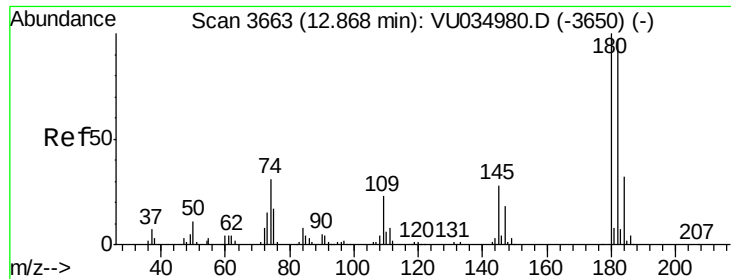
Tgt Ion:146 Resp: 6708
 Ion Ratio Lower Upper
 146 100
 111 45.0 27.9 51.7
 148 61.1 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 0.266 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

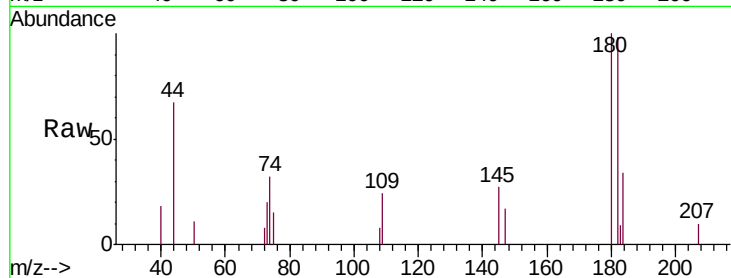
Tgt Ion:146 Resp: 6287
 Ion Ratio Lower Upper
 146 100
 111 50.8 34.2 51.4
 148 62.5 52.0 78.0





#67
 1,3,5-Trichlorobenzene
 Concen: 0.207 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02



Tgt Ion:	180	Resp:	3441
Ion	Ratio	Lower	Upper
180	100		
182	87.6	76.0	114.0
184	26.5	24.2	36.2
145	22.2	24.6	37.0#

