

Data File : VU034986.D
Acq On : 08 Oct 2019 12:15
Operator : JC/SP
Sample : MDL04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Quant Time: Oct 09 07:20:51 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	178555	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	180778	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	78562	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46207	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.68	69	44328	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.26	63	73091	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.20	46	159445	51.30	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.62	84	84640	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.29	65	57855	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.32	84	194794	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.31	67	67755	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.54	98	177328	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.84	79	21852	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.30	63	115435	47.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55843	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	66994	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4323	0.265 ug/L	99
3) Chloromethane	1.32	50	5113	0.286 ug/L	98
5) Vinyl chloride	1.40	62	4751	0.270 ug/L	87
6) Bromomethane	1.62	94	2678	0.274 ug/L	100
8) Chloroethane	1.69	64	3167	0.300 ug/L	91
9) Trichlorofluoromethane	1.88	101	5969	0.281 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3886	0.318 ug/L	93
12) 1,1-Dichloroethene	2.27	96	3683	0.321 ug/L #	1
13) Acetone	2.35	43	8122	3.190 ug/L	68
14) Carbon disulfide	2.47	76	10294	0.270 ug/L #	91
15) Methyl Acetate	2.61	43	2378	0.351 ug/L #	86
16) Methylene chloride	2.69	84	5922	0.417 ug/L	91
17) Methyl tert-butyl Ether	2.99	73	8422	0.269 ug/L	94
18) trans-1,2-Dichloroethene	2.96	96	3475	0.283 ug/L	95
19) 1,1-Dichloroethane	3.42	63	6660	0.273 ug/L	95
22) cis-1,2-Dichloroethene	4.21	96	3703	0.270 ug/L	89
23) Bromochloromethane	4.53	128	1535	0.267 ug/L	93

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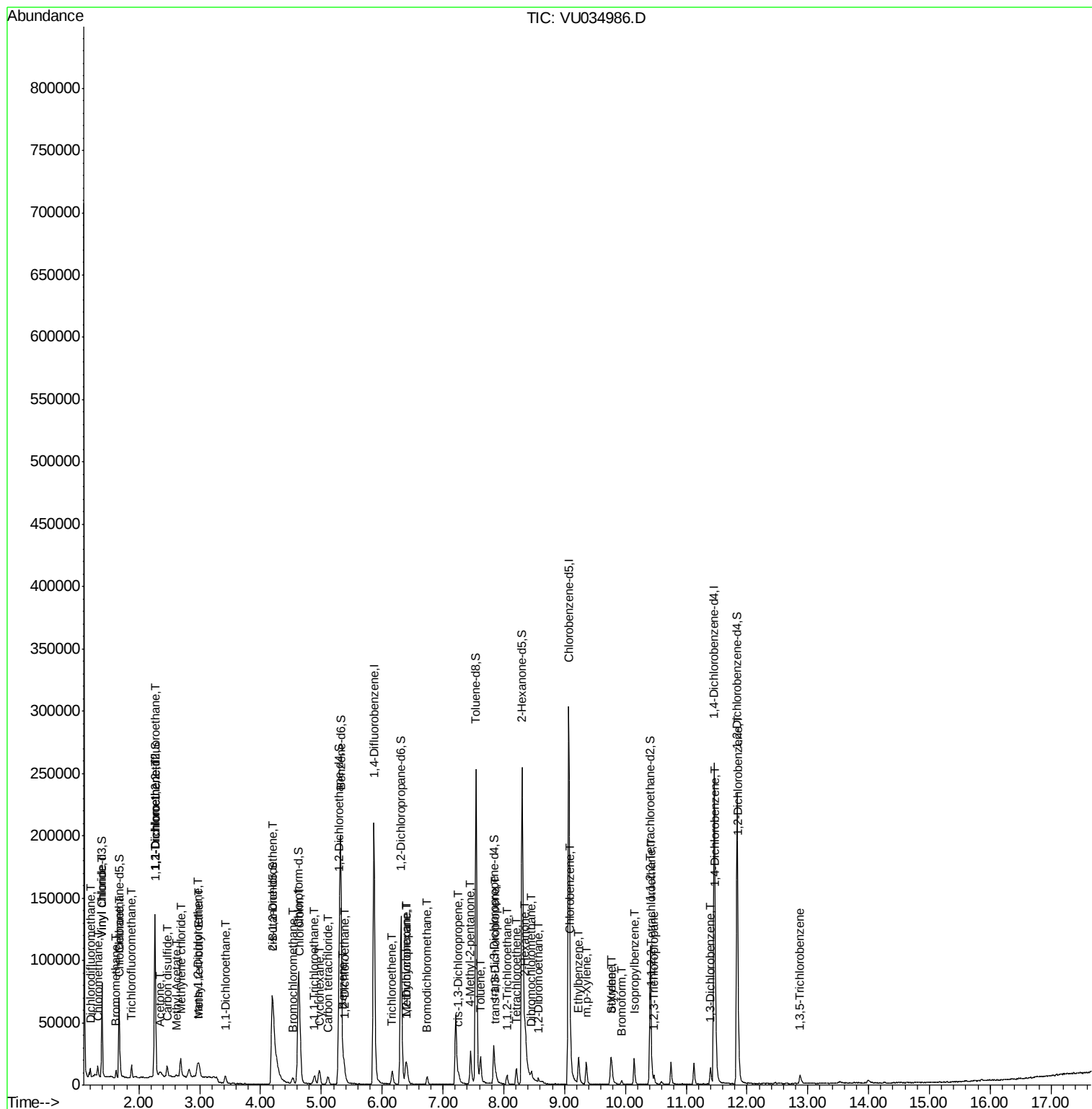
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.65	83	25685	0.937	ug/L	97
27) 1,2-Dichloroethane	5.39	62	4499	0.281	ug/L #	95
29) 1,1,1-Trichloroethane	4.89	97	5282	0.260	ug/L	94
30) Cyclohexane	4.97	56	5343	0.239	ug/L	98
31) Carbon tetrachloride	5.11	117	4527	0.257	ug/L	95
33) Benzene	5.37	78	14328	0.263	ug/L	100
34) Trichloroethene	6.17	95	4082	0.291	ug/L	91
35) Methylcyclohexane	6.39	83	5771	0.254	ug/L	98
37) 1,2-Dichloropropane	6.41	63	4227	0.288	ug/L #	88
38) Bromodichloromethane	6.74	83	4494	0.261	ug/L	90
39) cis-1,3-Dichloropropene	7.26	75	4458	0.224	ug/L	92
40) 4-Methyl-2-pentanone	7.45	43	21725	2.350	ug/L #	85
42) Toluene	7.62	91	15258	0.268	ug/L	97
44) trans-1,3-Dichloropropene	7.87	75	4295	0.279	ug/L	93
45) 1,1,2-Trichloroethane	8.05	97	2640	0.271	ug/L	93
47) Tetrachloroethene	8.21	164	2909	0.256	ug/L	86
48) 2-Hexanone	8.36	43	18492	2.917	ug/L #	92
49) Dibromochloromethane	8.46	129	2758	0.245	ug/L	90
50) 1,2-Dibromoethane	8.57	107	1988	0.213	ug/L #	77
51) Chlorobenzene	9.10	112	9369	0.254	ug/L	87
52) Ethylbenzene	9.23	91	15456	0.246	ug/L	99
53) m,p-Xylene	9.36	106	5435	0.234	ug/L	95
54) o-Xylene	9.76	106	5149	0.227	ug/L	97
55) Styrene	9.78	104	7622	0.208	ug/L	95
56) Isopropylbenzene	10.14	105	14062	0.233	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	3909	0.295	ug/L #	99
59) 1,2,3-Trichloropropane	10.47	75	2564	0.270	ug/L	95
61) Bromoform	9.94	173	1328	0.246	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	6370	0.263	ug/L	93
63) 1,4-Dichlorobenzene	11.49	146	7062	0.289	ug/L	93
65) 1,2-Dichlorobenzene	11.86	146	7068	0.303	ug/L	95
67) 1,3,5-Trichlorobenzene	12.88	180	3885	0.237	ug/L #	92

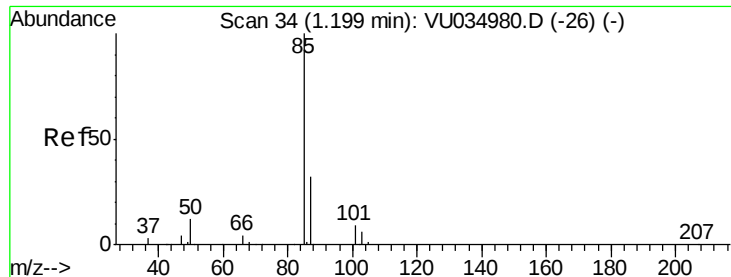
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.265 ug/L

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

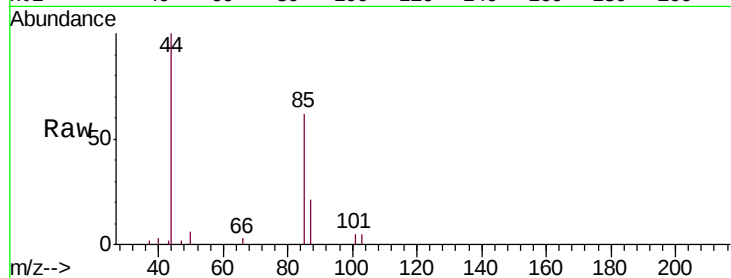
MDL04

Tgt Ion: 85 Resp: 4323

Ion Ratio Lower Upper

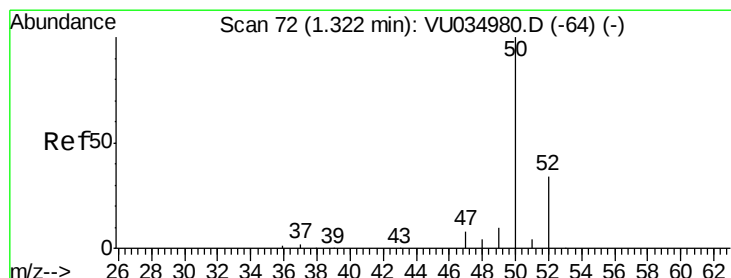
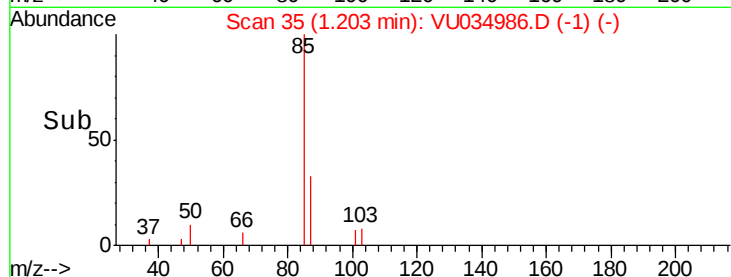
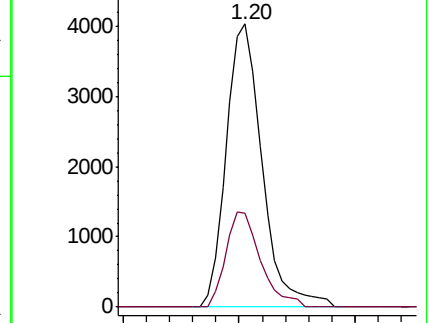
85 100

87 32.5 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: 0.286 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034986.D

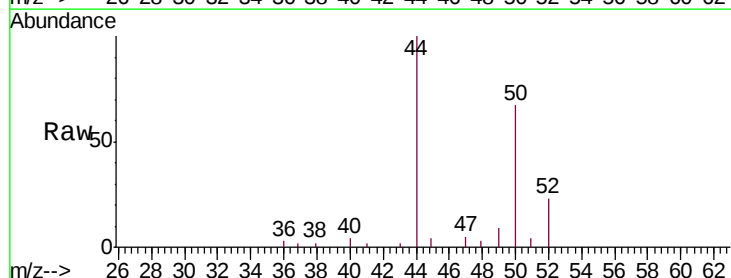
Acq: 08 Oct 2019 12:15

Tgt Ion: 50 Resp: 5113

Ion Ratio Lower Upper

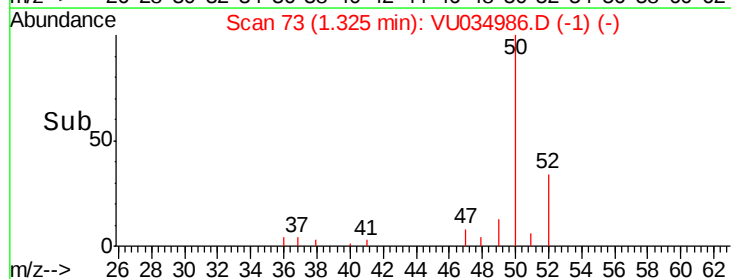
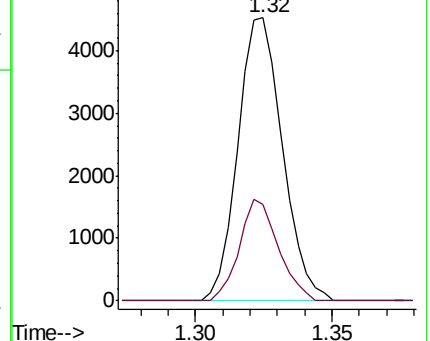
50 100

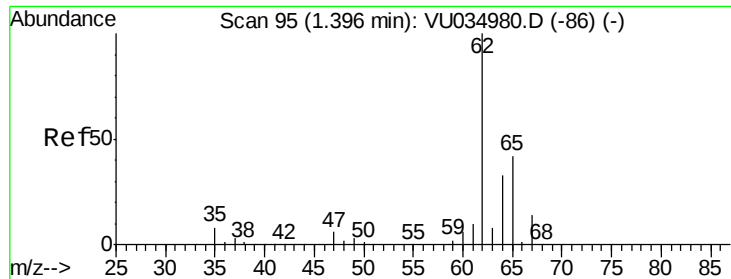
52 34.2 23.3 43.3



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: 0.270 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampled :

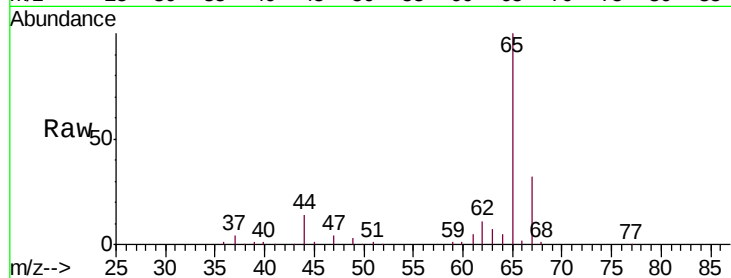
MDL04

Tgt Ion: 62 Resp: 4751

Ion Ratio Lower Upper

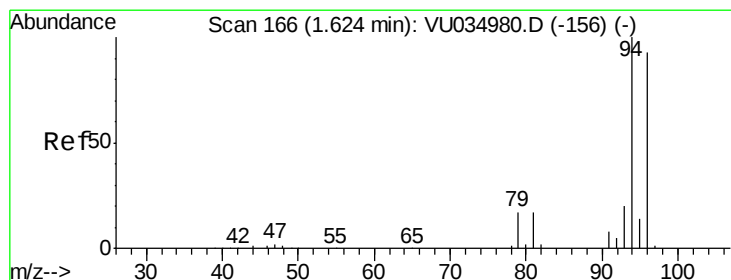
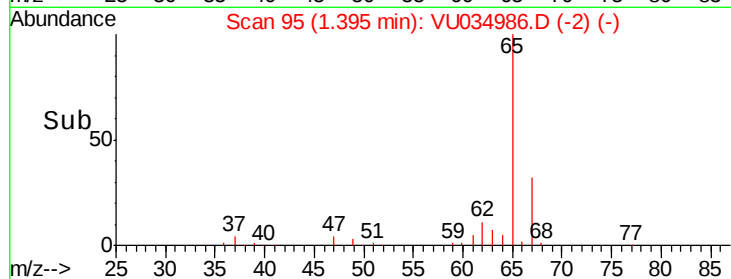
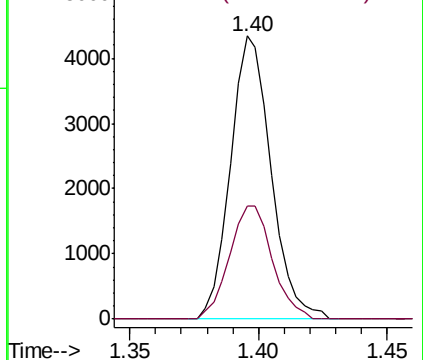
62 100

64 39.9 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: 0.274 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034986.D

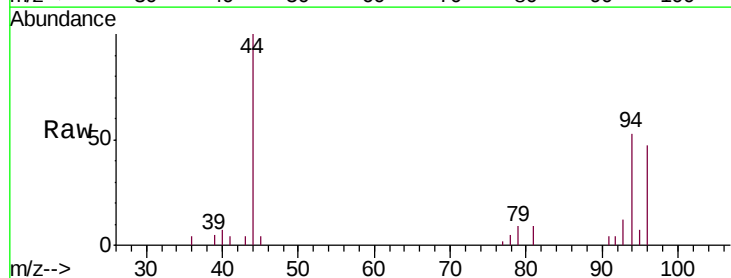
Acq: 08 Oct 2019 12:15

Tgt Ion: 94 Resp: 2678

Ion Ratio Lower Upper

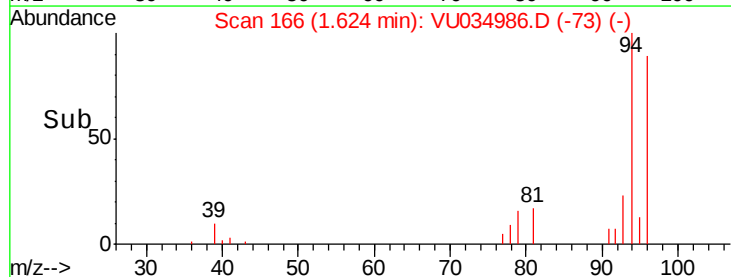
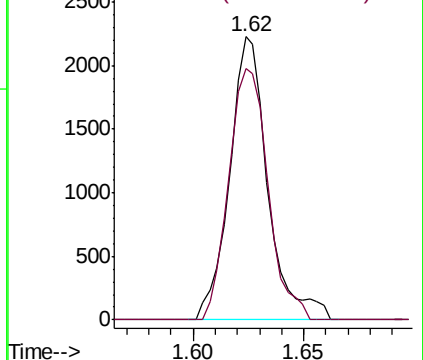
94 100

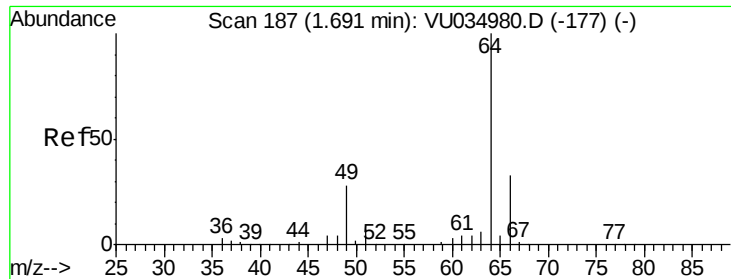
96 88.8 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.300 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

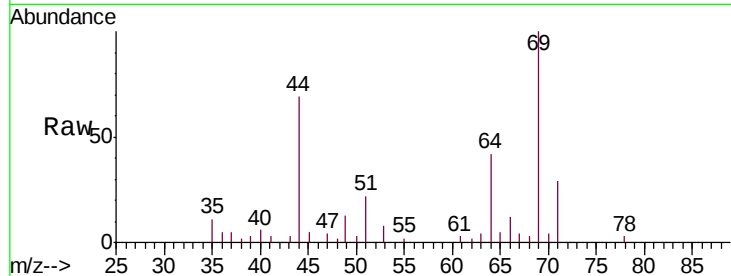
MDL04

Tgt Ion: 64 Resp: 3167

Ion Ratio Lower Upper

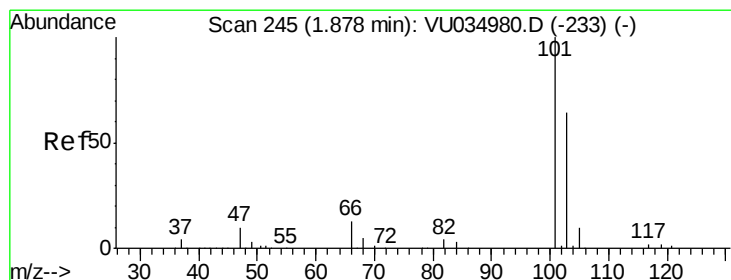
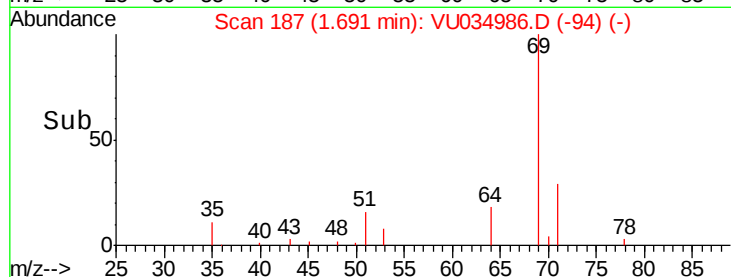
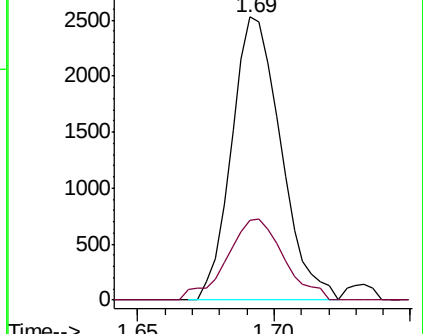
64 100

66 28.2 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU034986.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034986.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.281 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU034986.D

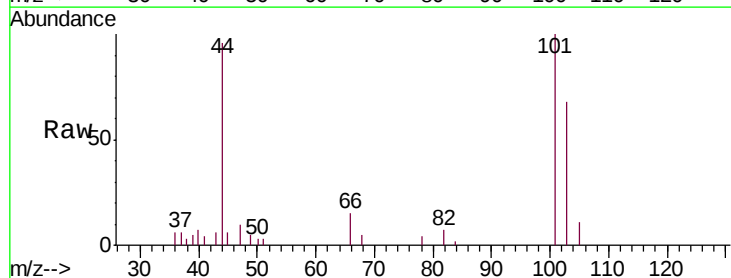
Acq: 08 Oct 2019 12:15

Tgt Ion: 101 Resp: 5969

Ion Ratio Lower Upper

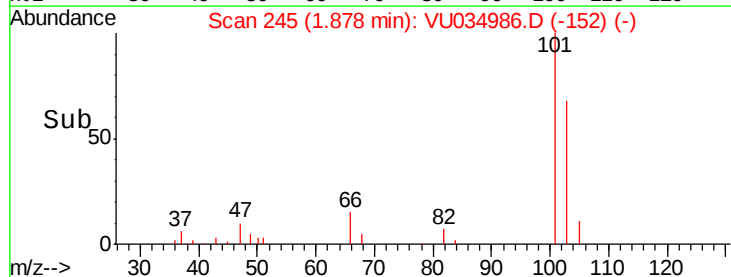
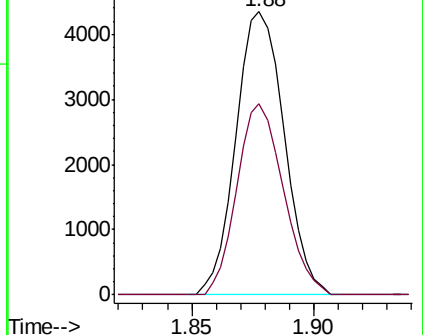
101 100

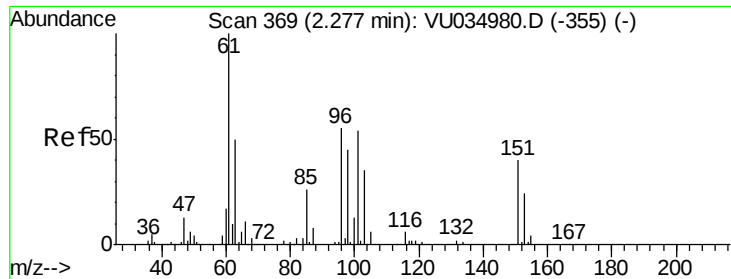
103 65.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU034986.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034986.D (-233) (-)





#10

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

Concen: 0.318 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

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ClientSampleId :

MDL04

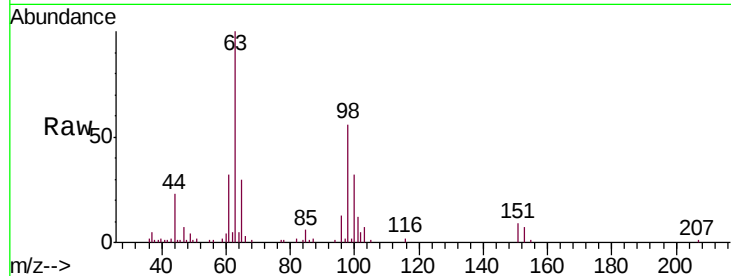
Tgt Ion: 101 Resp: 3886

Ion Ratio Lower Upper

101 100

85 42.4 37.4 56.0

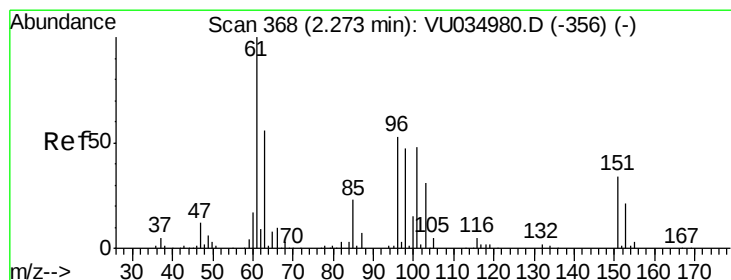
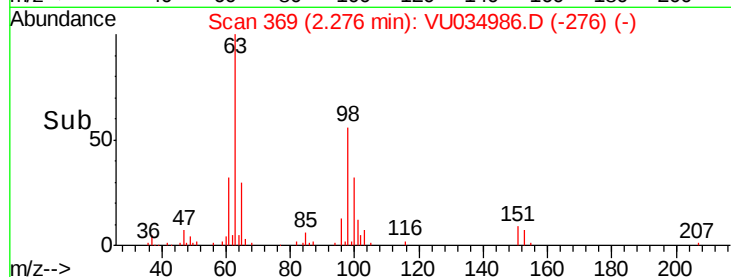
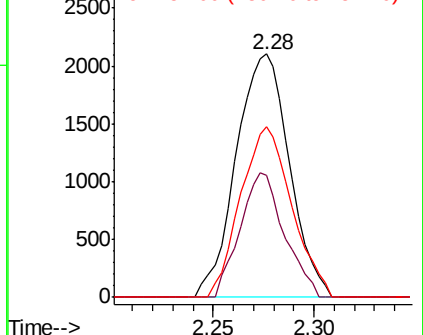
151 67.1 58.6 87.8



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: 0.321 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

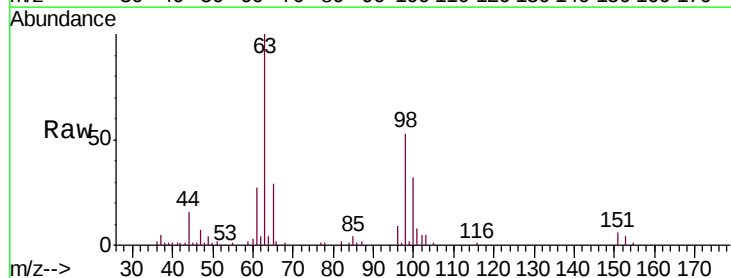
Tgt Ion: 96 Resp: 3683

Ion Ratio Lower Upper

96 100

61 296.1 129.3 240.1#

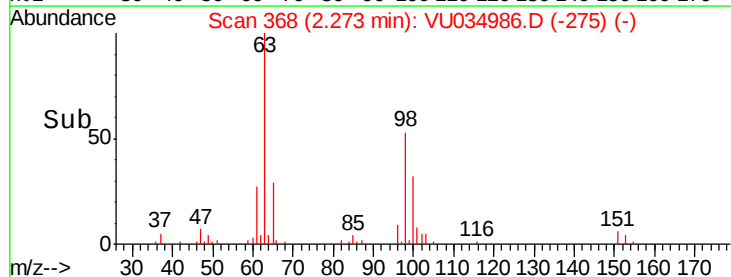
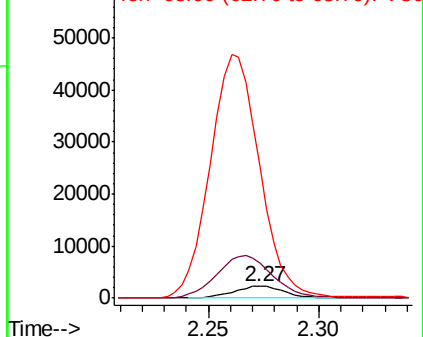
63 1106.1 108.9 202.3#

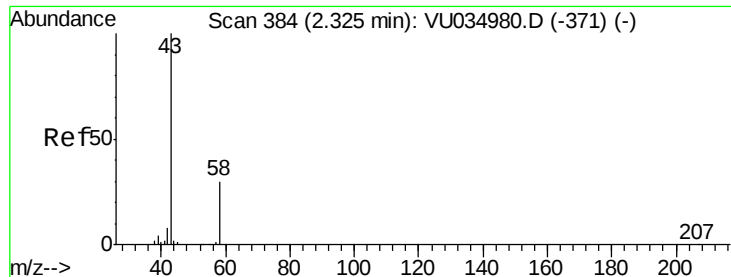


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.190 ug/L

RT: 2.35 min Scan# 391

Delta R.T. 0.02 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

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ClientSampleId :

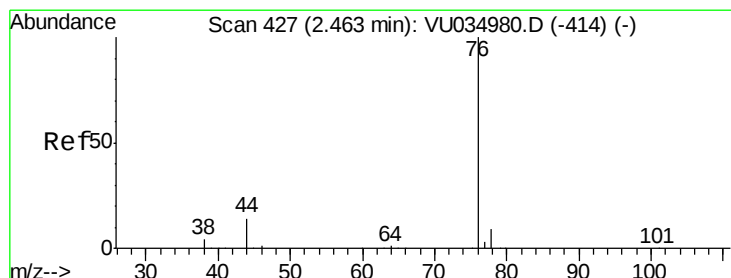
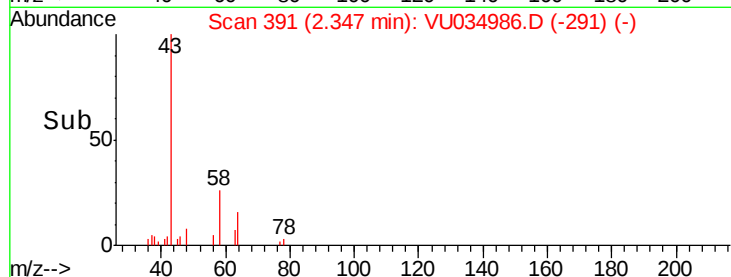
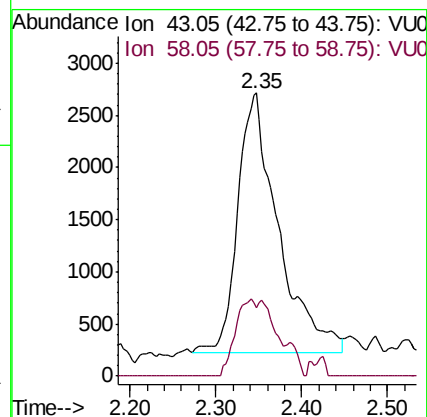
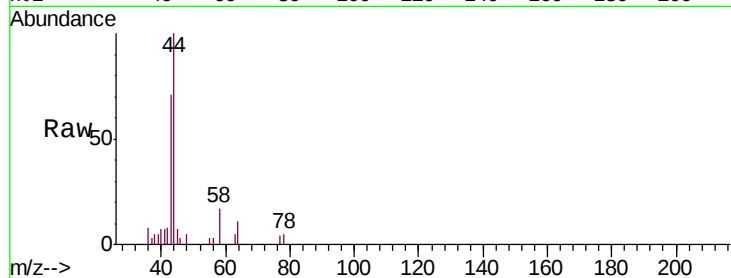
MDL04

Tgt Ion: 43 Resp: 8122

Ion Ratio Lower Upper

43 100

58 15.2 0.0 66.6



#14

Carbon disulfide

Concen: 0.270 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034986.D

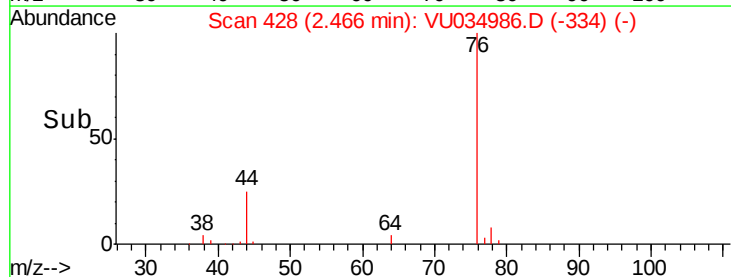
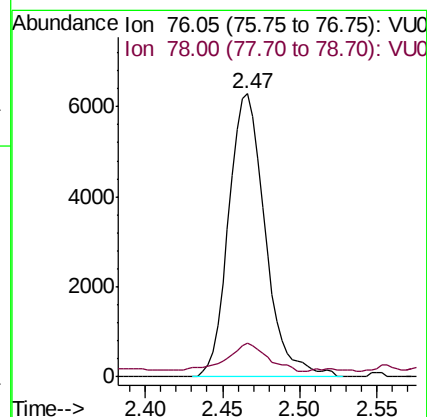
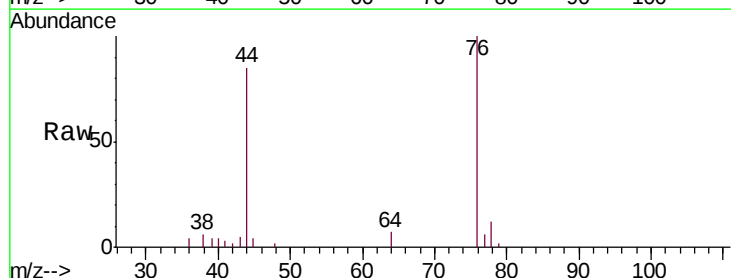
Acq: 08 Oct 2019 12:15

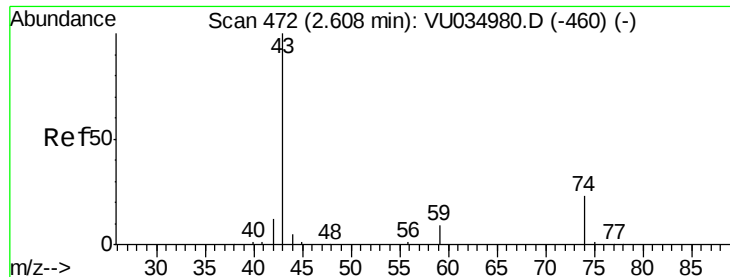
Tgt Ion: 76 Resp: 10294

Ion Ratio Lower Upper

76 100

78 12.0 7.1 10.7#





#15

Methyl Acetate

Concen: 0.351 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampled :

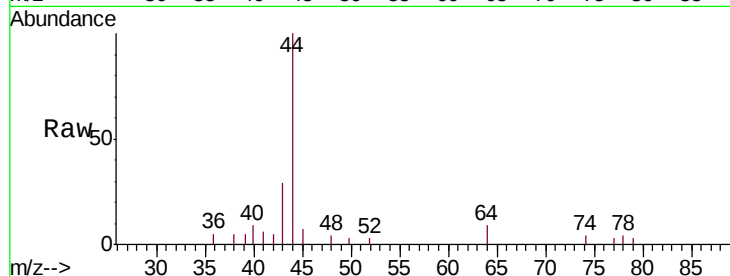
MDL04

Tgt Ion: 43 Resp: 2378

Ion Ratio Lower Upper

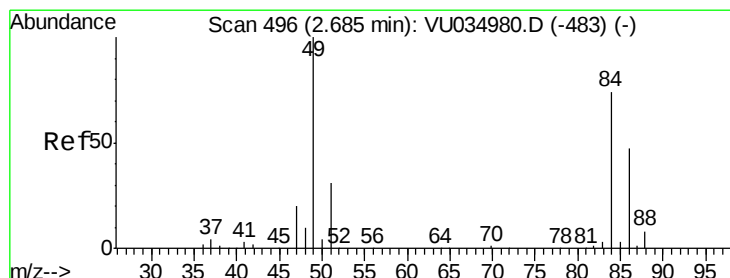
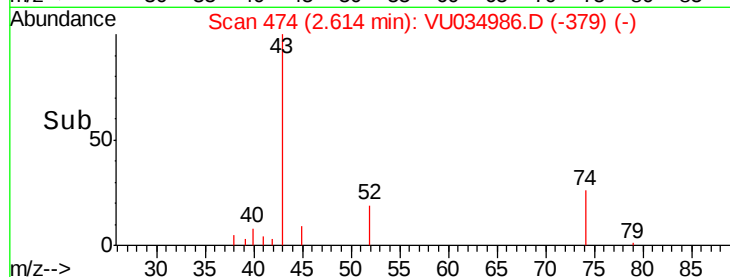
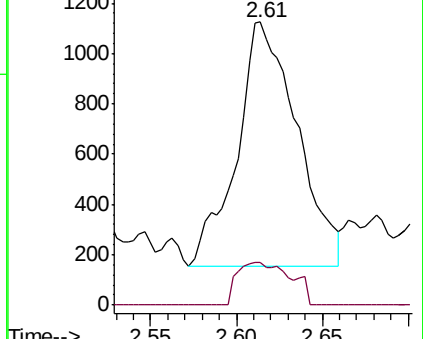
43 100

74 15.6 17.8 26.8#



Abundance Ion 43.05 (42.75 to 43.75): VU034986.D (-379) (-)

Ion 74.05 (73.75 to 74.75): VU034986.D (-379) (-)



#16

Methylene chloride

Concen: 0.417 ug/L

RT: 2.69 min Scan# 497

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

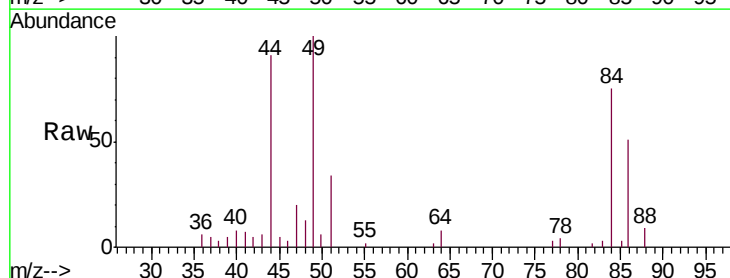
Tgt Ion: 84 Resp: 5922

Ion Ratio Lower Upper

84 100

86 67.9 42.5 78.9

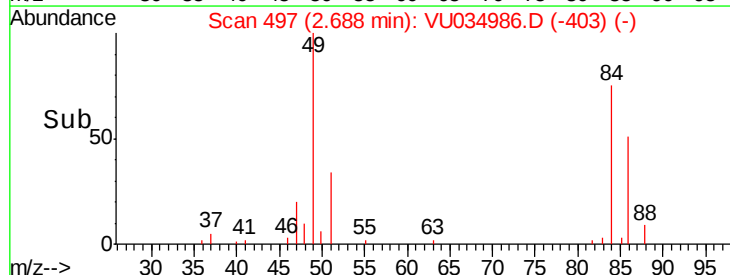
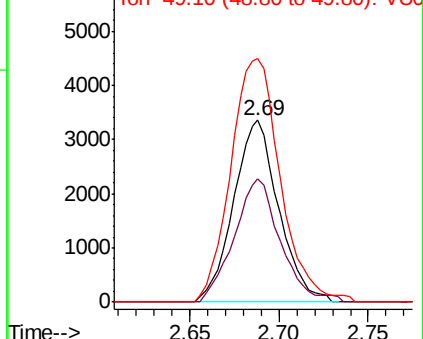
49 134.0 86.9 161.3

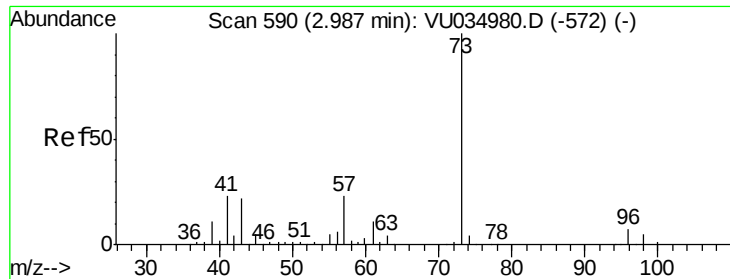


Abundance Ion 84.05 (83.75 to 84.75): VU034986.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034986.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034986.D (-403) (-)

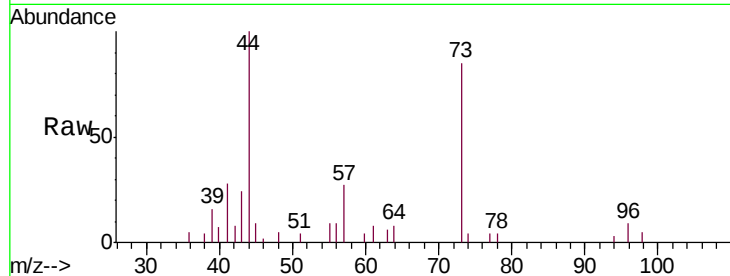




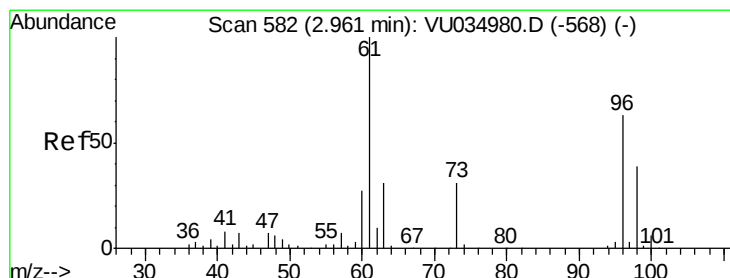
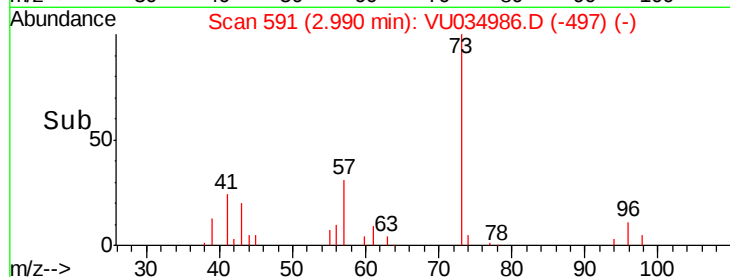
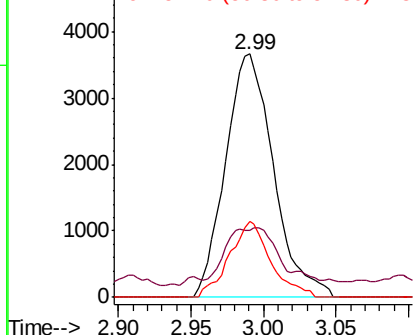
#17
Methyl tert-butyl Ether
Concen: 0.269 ug/L
RT: 2.99 min Scan# 591
Delta R.T. 0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 73 Resp: 8422
Ion Ratio Lower Upper
73 100
43 22.7 16.3 24.5
57 26.9 18.6 28.0

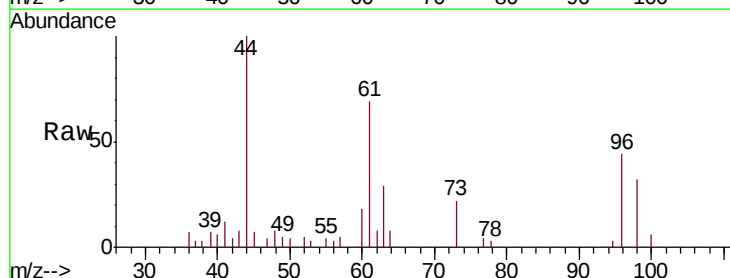


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

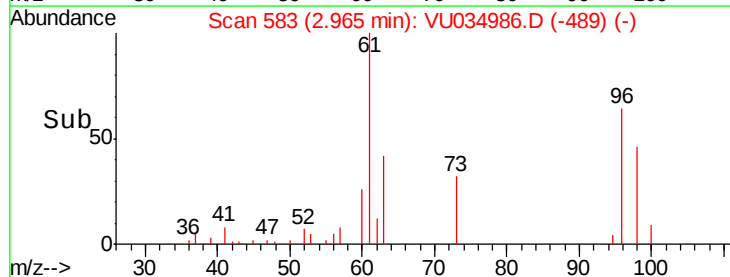
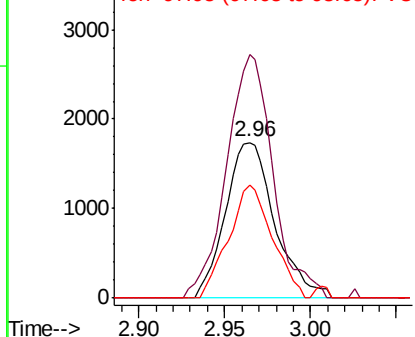


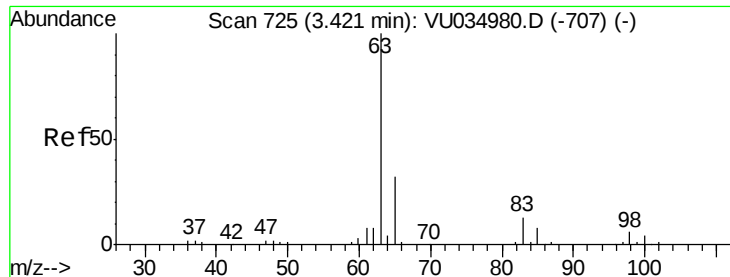
#18
trans-1,2-Dichloroethene
Concen: 0.283 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Tgt Ion: 96 Resp: 3475
Ion Ratio Lower Upper
96 100
61 156.4 107.1 198.9
98 72.6 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

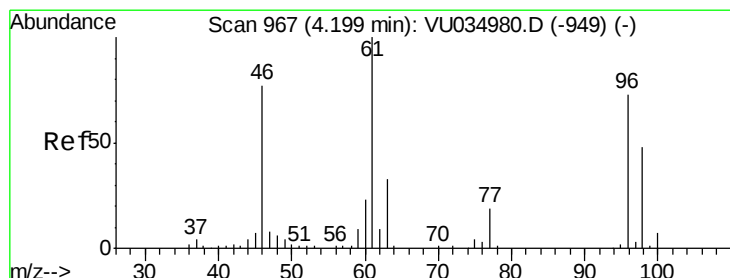
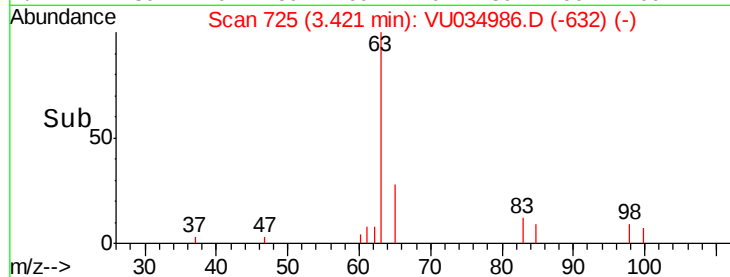
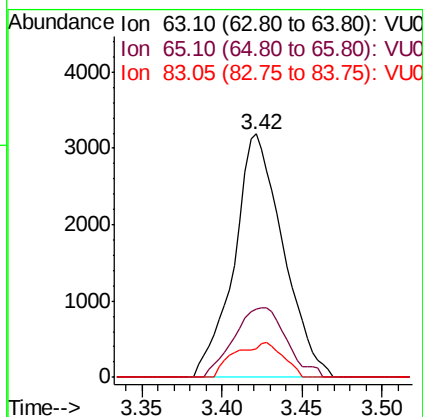
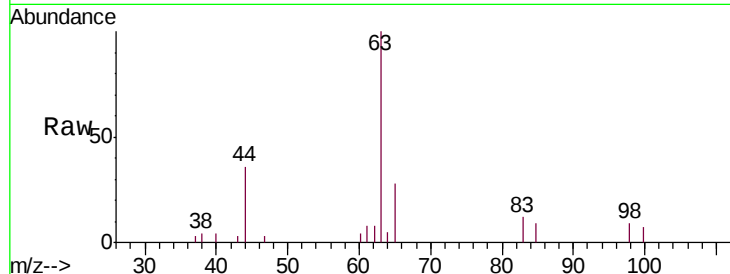




#19
 1,1-Dichloroethane
 Concen: 0.273 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

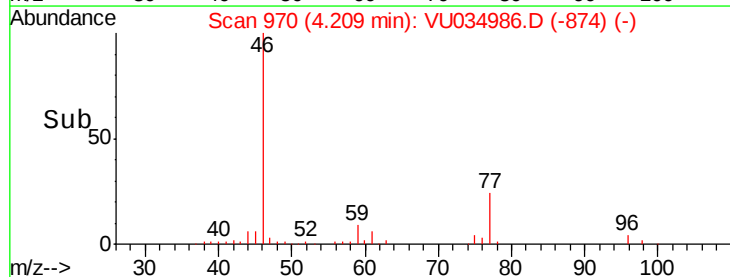
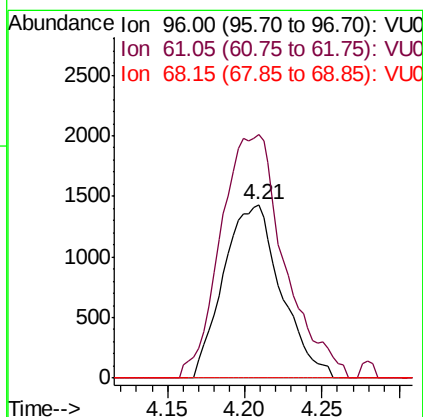
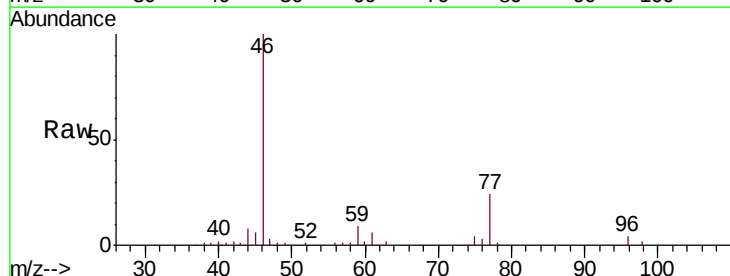
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

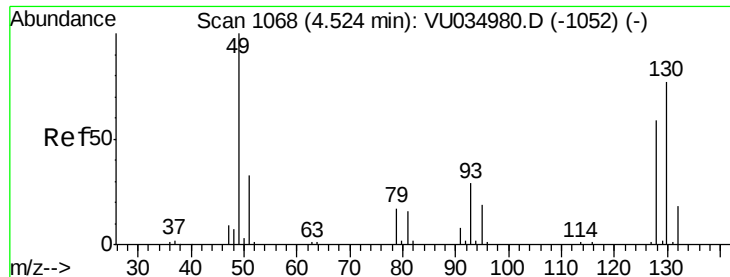
Tgt Ion: 63 Resp: 6660
 Ion Ratio Lower Upper
 63 100
 65 27.8 21.7 40.3
 83 12.0 9.0 16.8



#22
 cis-1,2-Dichloroethene
 Concen: 0.270 ug/L
 RT: 4.21 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Tgt Ion: 96 Resp: 3703
 Ion Ratio Lower Upper
 96 100
 61 140.5 89.2 165.6
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 0.267 ug/L

RT: 4.53 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:128 Resp: 1535

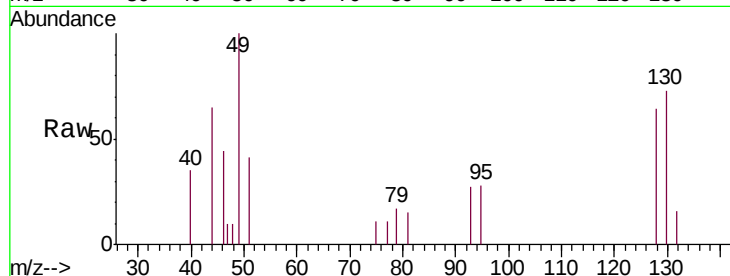
Ion Ratio Lower Upper

128 100

49 156.1 110.5 205.3

130 114.6 88.6 164.6

51 63.8 43.2 64.8

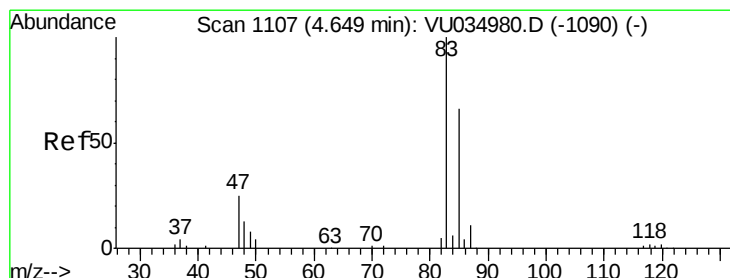
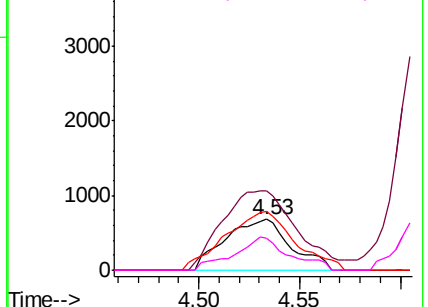
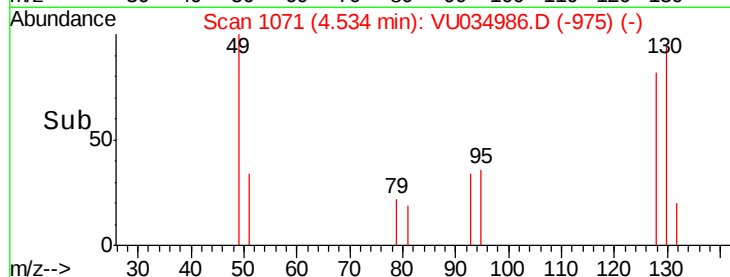


Abundance Ion 127.90 (127.60 to 128.60): V

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: 0.937 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU034986.D

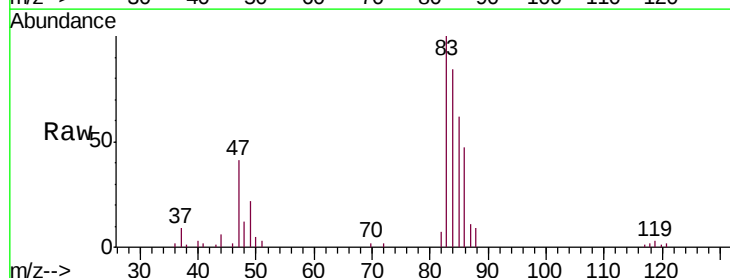
Acq: 08 Oct 2019 12:15

Tgt Ion: 83 Resp: 25685

Ion Ratio Lower Upper

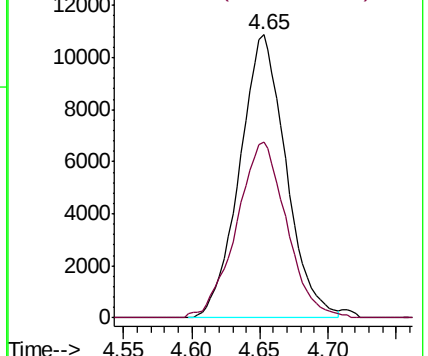
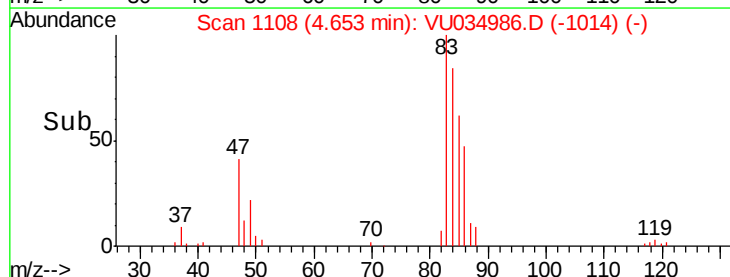
83 100

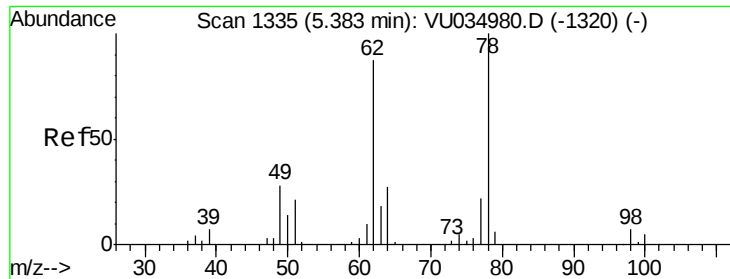
85 62.2 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0





#27

1,2-Dichloroethane

Concen: 0.281 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

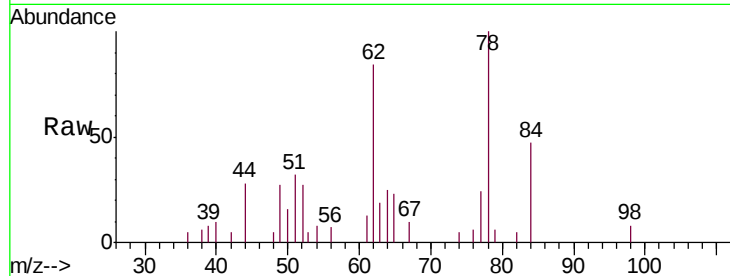
MDL04

Tgt Ion: 62 Resp: 4499

Ion Ratio Lower Upper

62 100

98 10.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VU034980.D (-1320) (-)

Ion 98.05 (97.75 to 98.75): VU034980.D (-1320) (-)

5.39

2000

1500

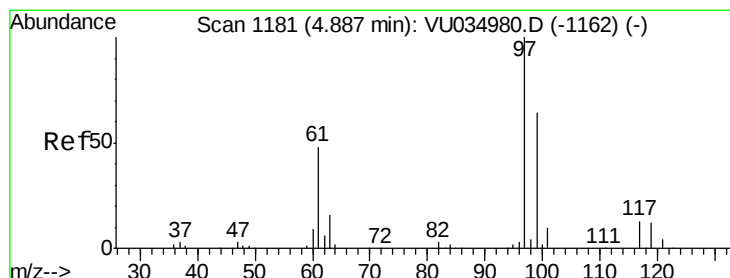
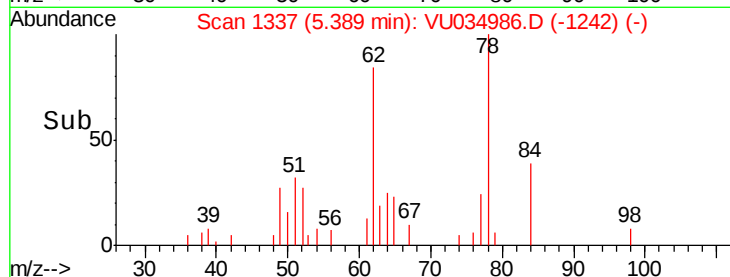
1000

500

0

5.35 5.40 5.45

Time-->



#29

1,1,1-Trichloroethane

Concen: 0.260 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

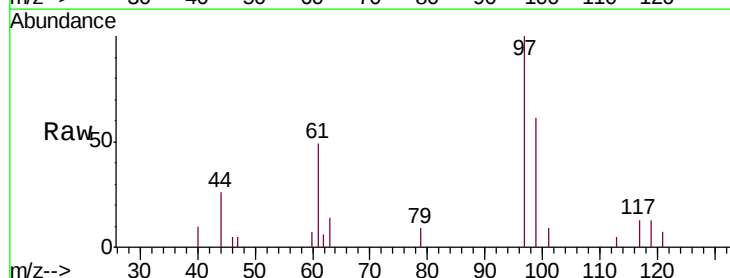
Tgt Ion: 97 Resp: 5282

Ion Ratio Lower Upper

97 100

99 59.5 51.6 77.4

61 48.9 36.2 54.4



Abundance Ion 96.95 (96.65 to 97.65): VU034980.D (-1162) (-)

Ion 99.05 (98.75 to 99.75): VU034980.D (-1162) (-)

Ion 61.05 (60.75 to 61.75): VU034980.D (-1162) (-)

4.89

3000

2500

2000

1500

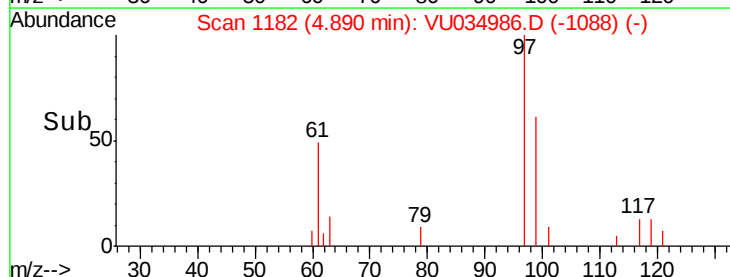
1000

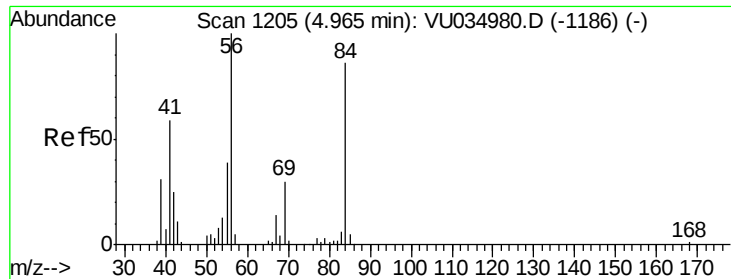
500

0

4.85 4.90 4.95

Time-->

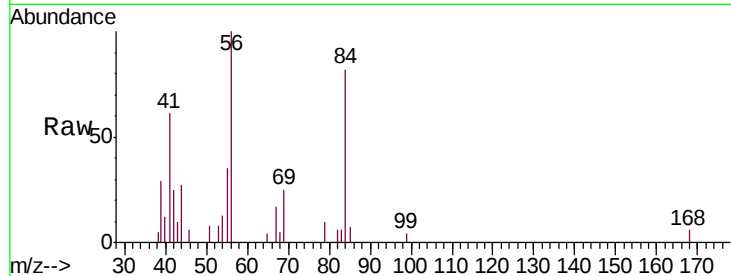




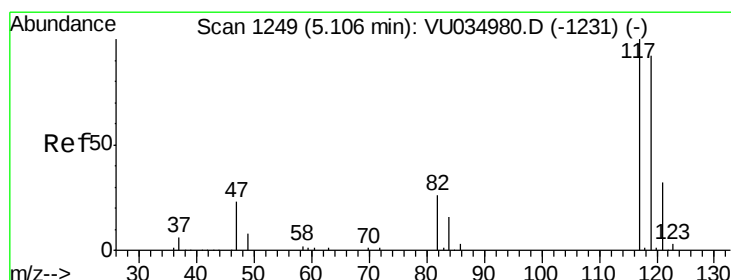
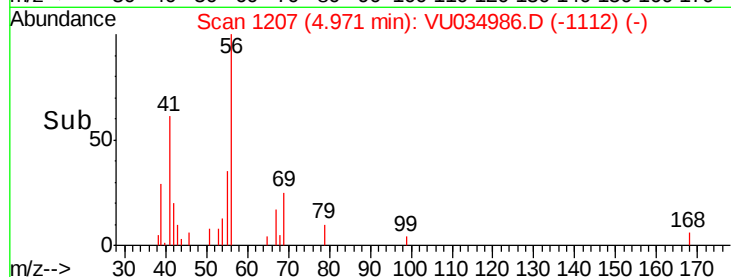
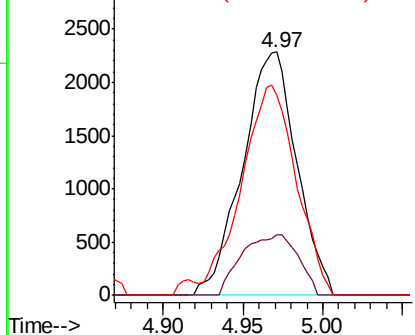
#30
Cyclohexane
Concen: 0.239 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 56 Resp: 5343
Ion Ratio Lower Upper
56 100
69 25.7 23.9 35.9
84 86.9 69.5 104.3

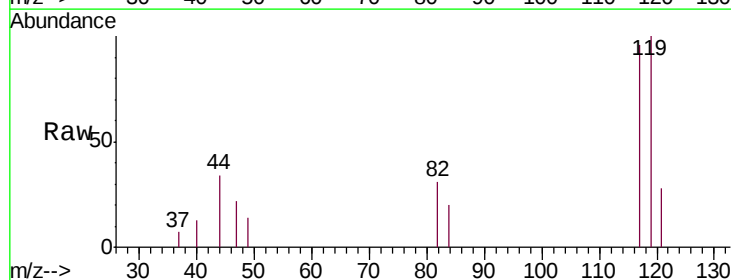


Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

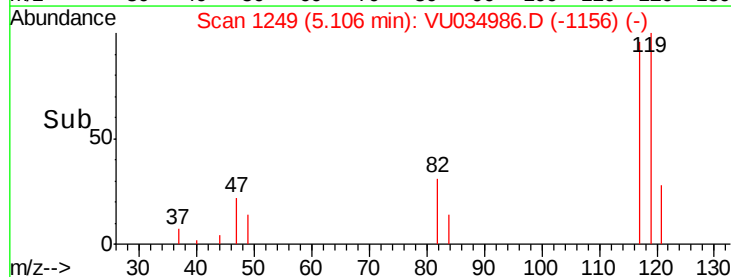
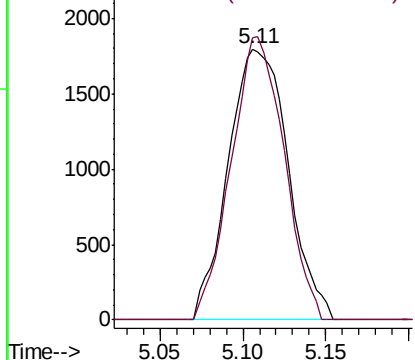


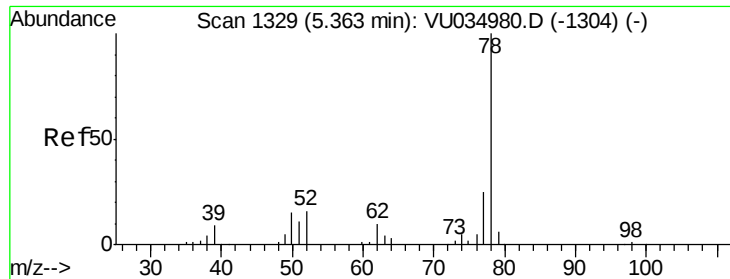
#31
Carbon tetrachloride
Concen: 0.257 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Tgt Ion: 117 Resp: 4527
Ion Ratio Lower Upper
117 100
119 92.2 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: 0.263 ug/L

RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

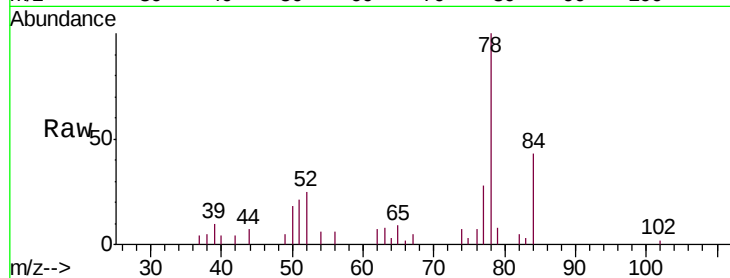
Instrument :

MSVOA_U

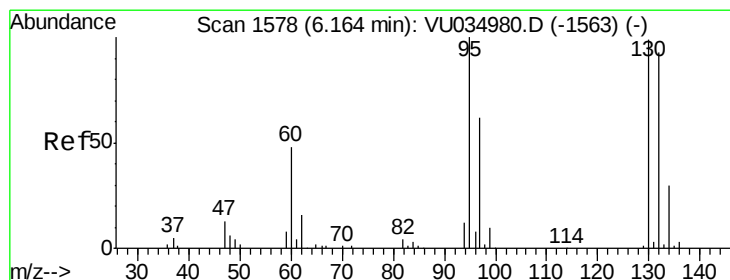
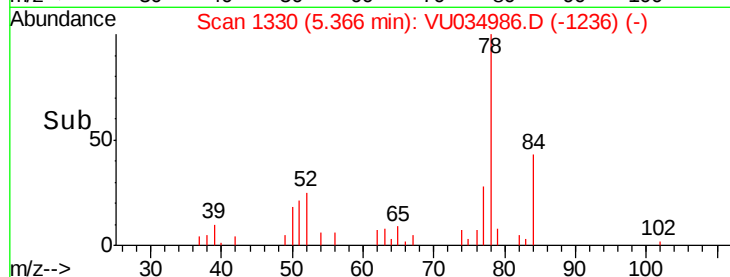
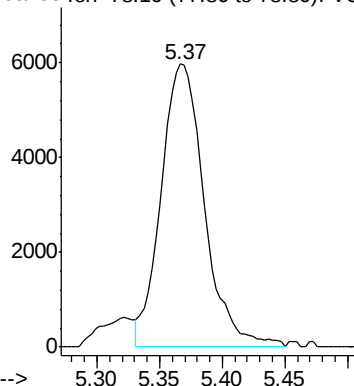
ClientSampled :

MDL04

Tgt Ion: 78 Resp: 14328



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.291 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Tgt Ion: 95 Resp: 4082

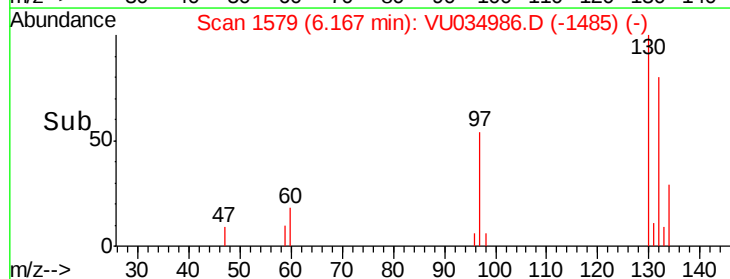
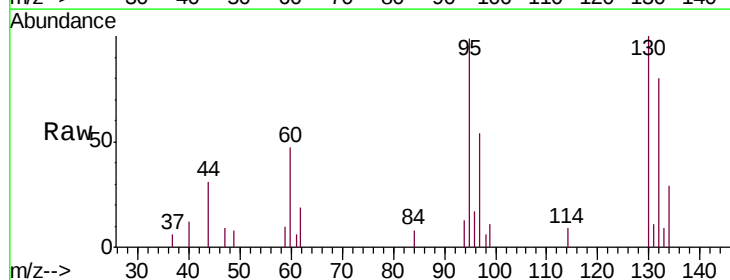
Ion	Ratio	Lower	Upper
95	100		
97	55.0	44.5	82.7
132	80.9	66.6	123.8
130	101.2	68.9	127.9

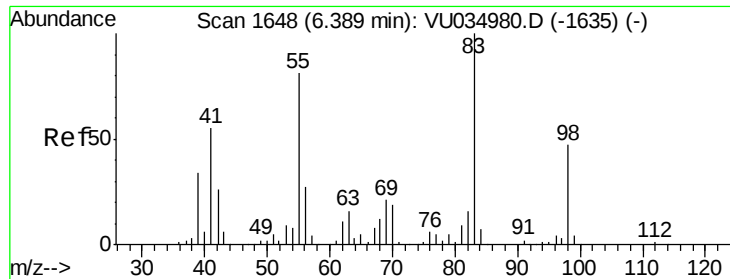
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

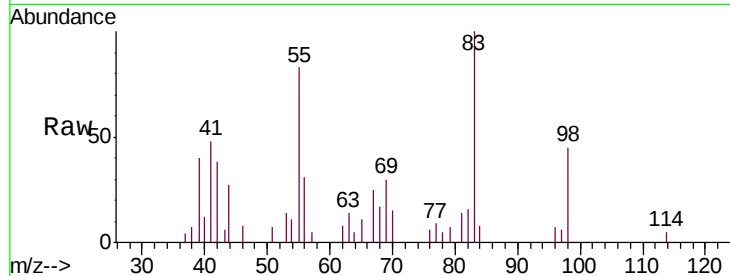




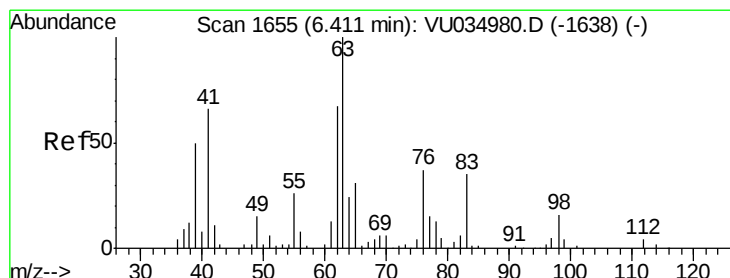
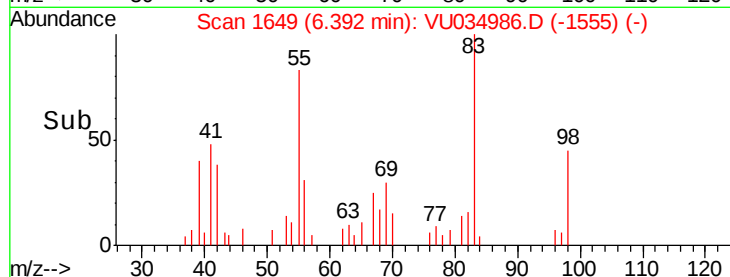
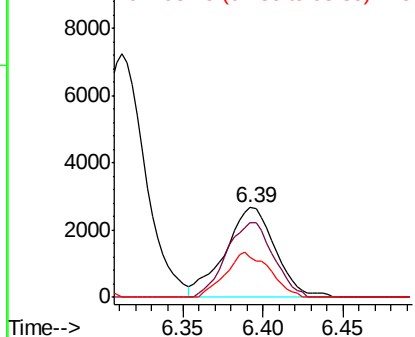
#35
Methylcyclohexane
Concen: 0.254 ug/L
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tgt Ion: 83 Resp: 5771
Ion Ratio Lower Upper
83 100
55 77.2 62.6 94.0
98 43.6 36.2 54.2

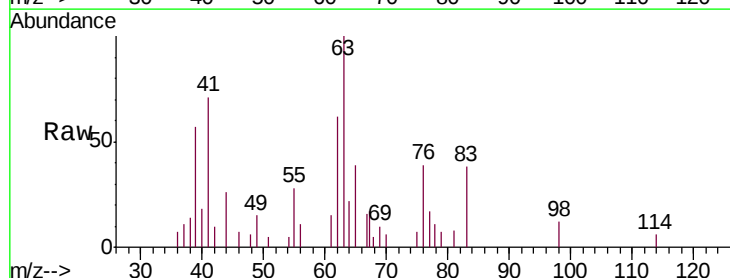


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

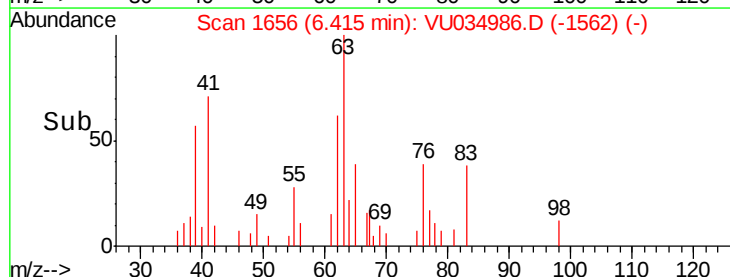
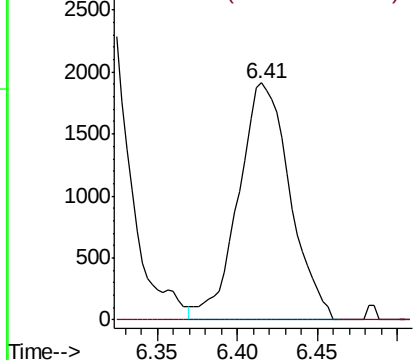


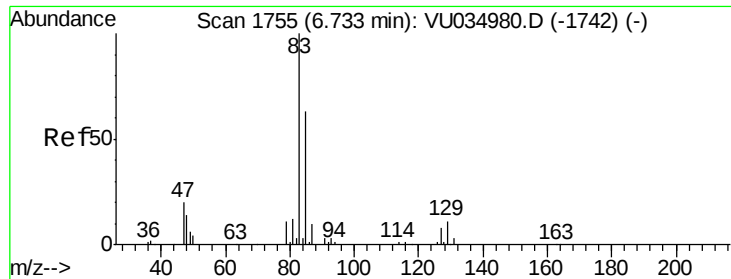
#37
1,2-Dichloropropane
Concen: 0.288 ug/L
RT: 6.41 min Scan# 1656
Delta R.T. 0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Tgt Ion: 63 Resp: 4227
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

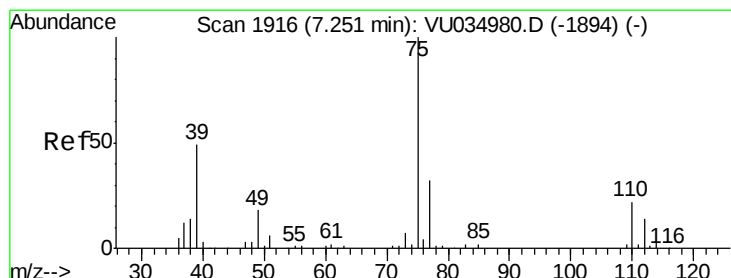
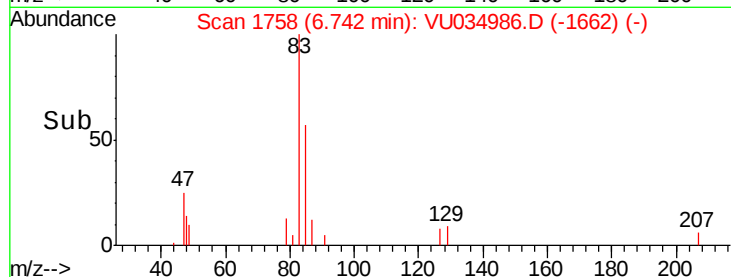
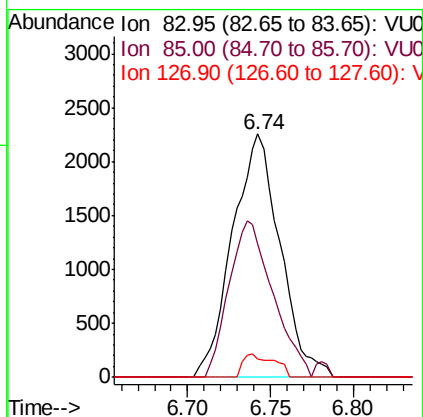
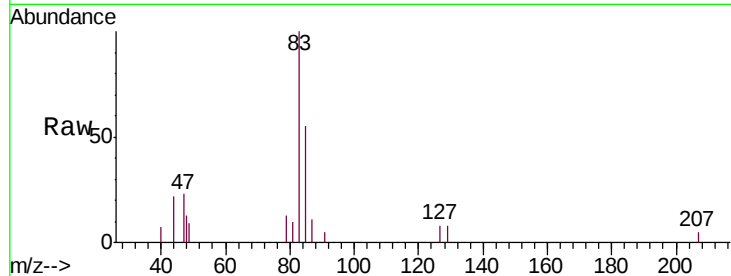




#38
 Bromodichloromethane
 Concen: 0.261 ug/L
 RT: 6.74 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

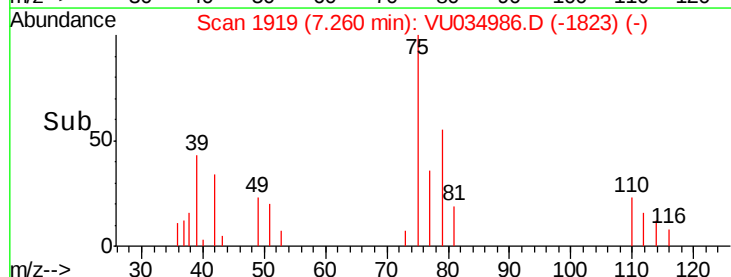
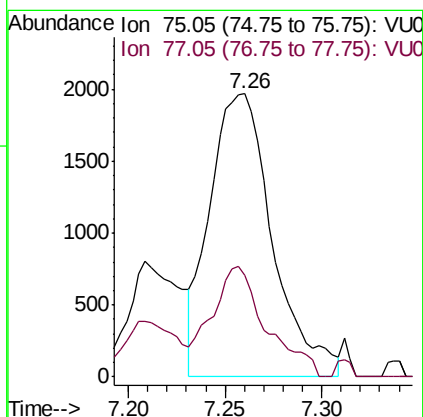
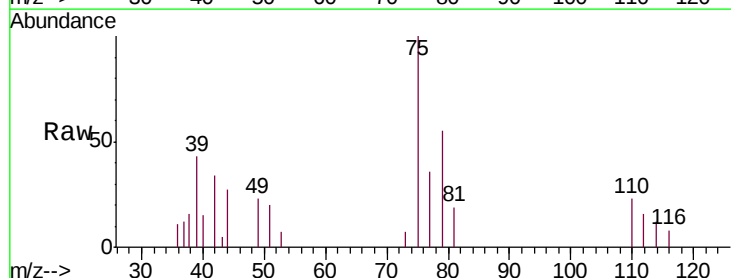
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

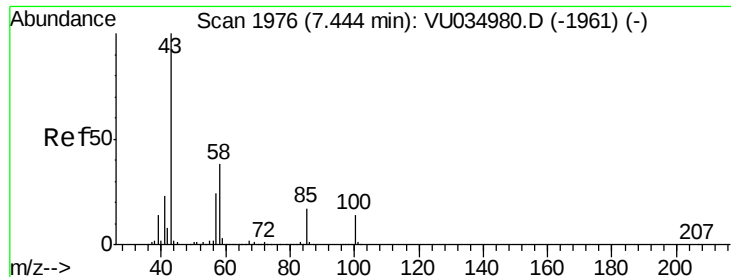
Tgt Ion: 83 Resp: 4494
 Ion Ratio Lower Upper
 83 100
 85 54.7 44.0 81.8
 127 7.7 7.0 10.4



#39
 cis-1,3-Dichloropropene
 Concen: 0.224 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Tgt Ion: 75 Resp: 4458
 Ion Ratio Lower Upper
 75 100
 77 36.1 22.1 41.1

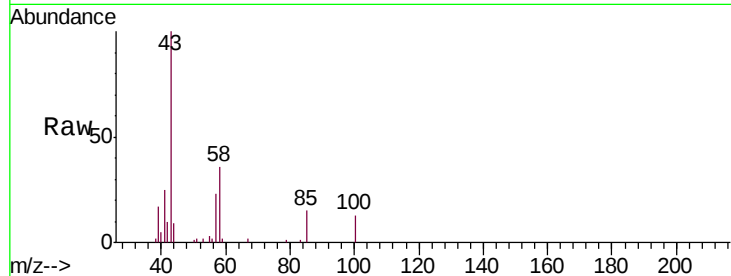




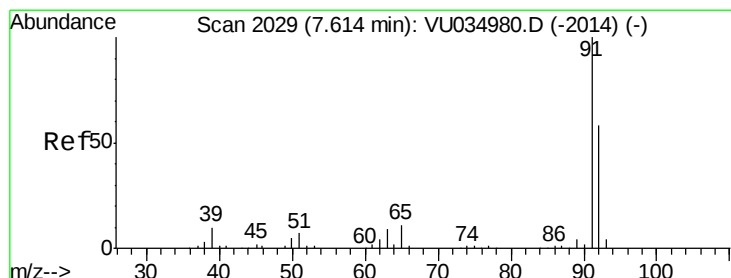
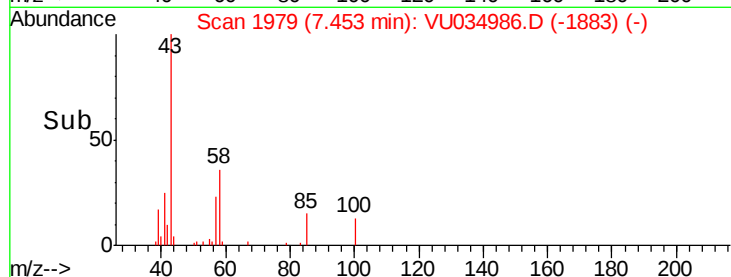
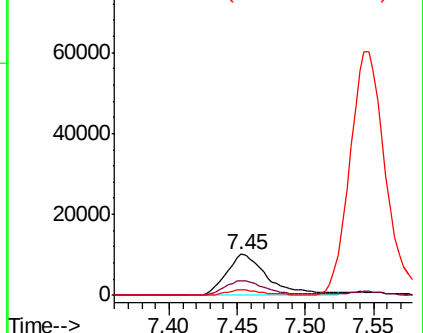
#40
 4-Methyl-2-pentanone
 Concen: 2.350 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion: 43 Resp: 21725
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.4 48.6
 100 0.0 11.9 17.9#

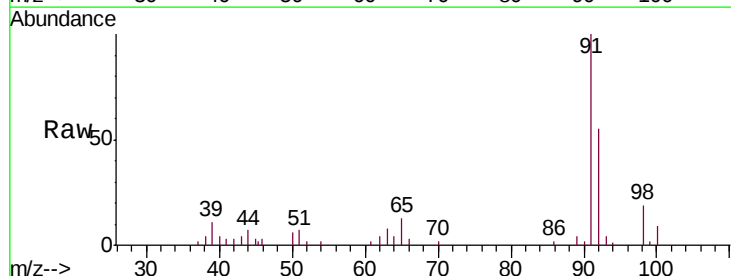


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0
 Ion 100.15 (99.85 to 100.85): VU0

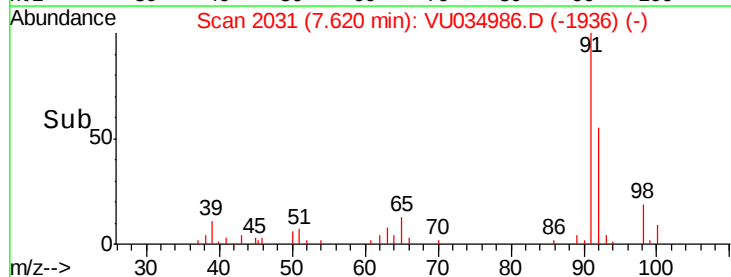
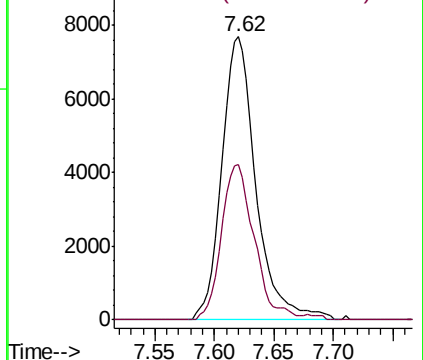


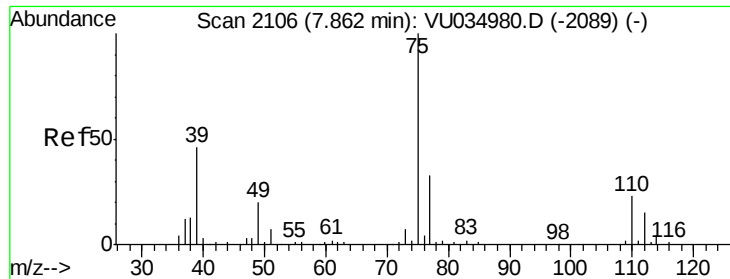
#42
 Toluene
 Concen: 0.268 ug/L
 RT: 7.62 min Scan# 2031
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Tgt Ion: 91 Resp: 15258
 Ion Ratio Lower Upper
 91 100
 92 55.1 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: 0.279 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

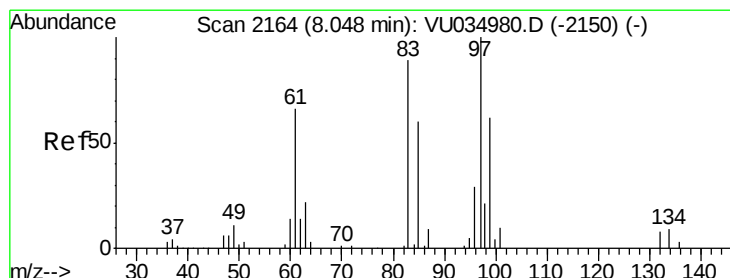
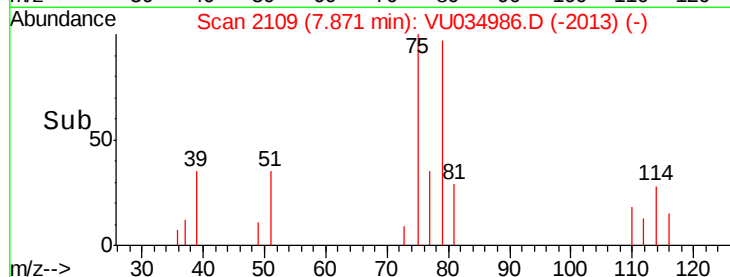
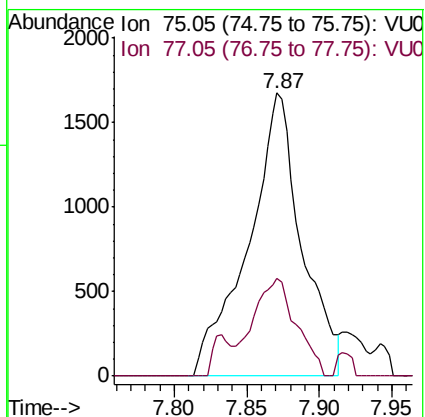
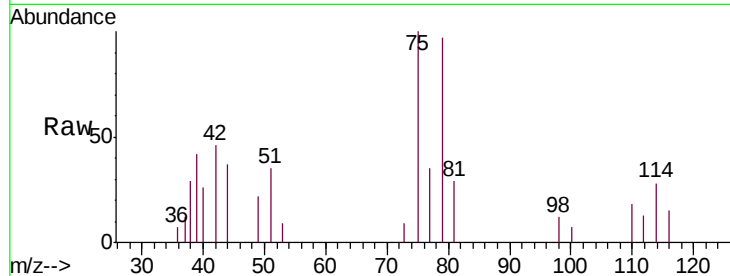
MDL04

Tgt Ion: 75 Resp: 4295

Ion Ratio Lower Upper

75 100

77 34.5 21.6 40.0



#45

1,1,2-Trichloroethane

Concen: 0.271 ug/L

RT: 8.05 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Tgt Ion: 97 Resp: 2640

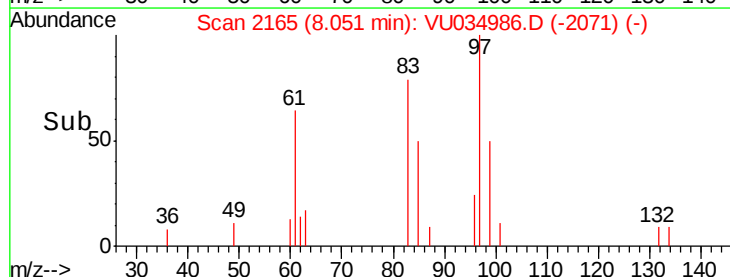
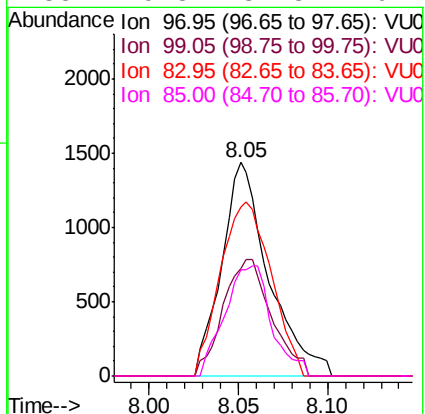
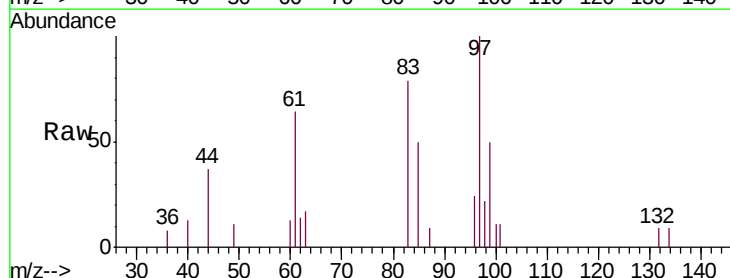
Ion Ratio Lower Upper

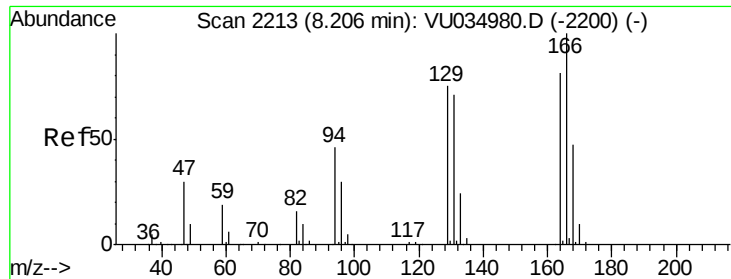
97 100

99 50.5 42.3 78.5

83 79.3 58.0 107.6

85 49.8 37.8 70.2





#47

Tetrachloroethene

Concen: 0.256 ug/L

RT: 8.21 min Scan# 2215

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tgt Ion:164 Resp: 2909

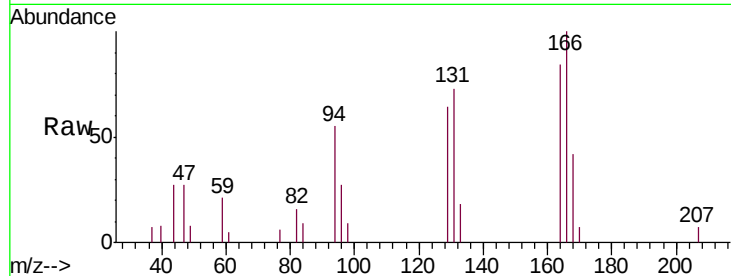
Ion Ratio Lower Upper

164 100

129 75.8 68.5 127.1

131 86.5 67.3 124.9

166 119.3 93.1 172.9

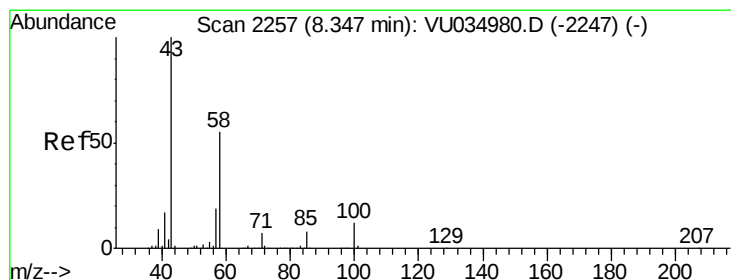
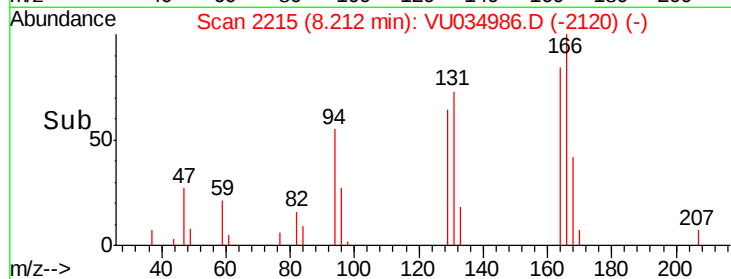
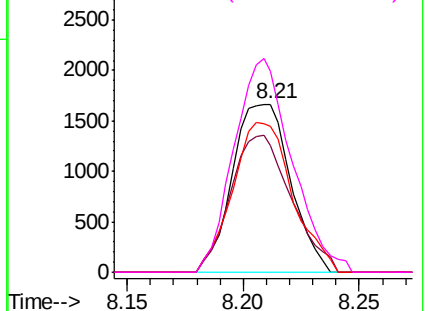


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.917 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Tgt Ion: 43 Resp: 18492

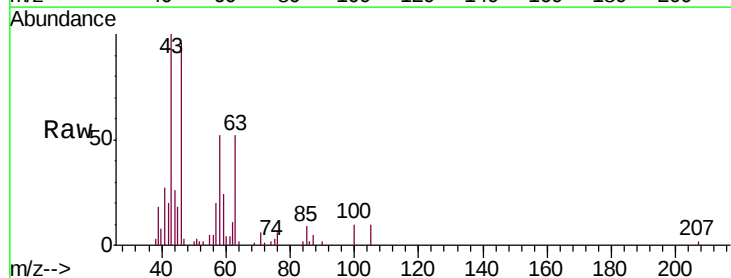
Ion Ratio Lower Upper

43 100

58 53.2 44.1 66.1

57 9.2 15.8 23.8#

100 9.9 9.4 14.2

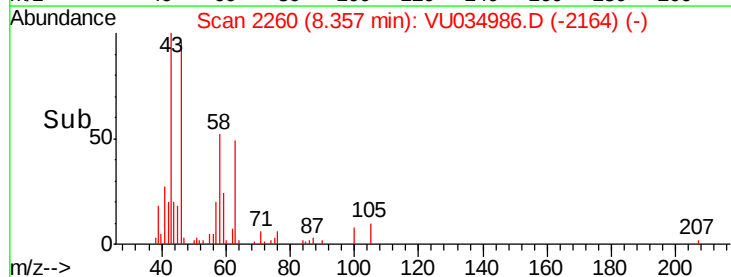
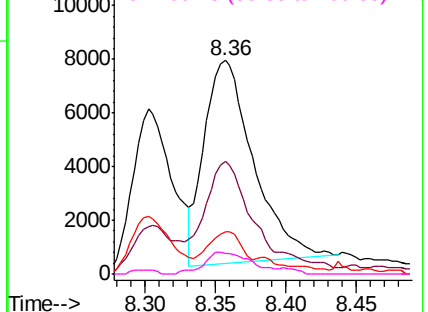


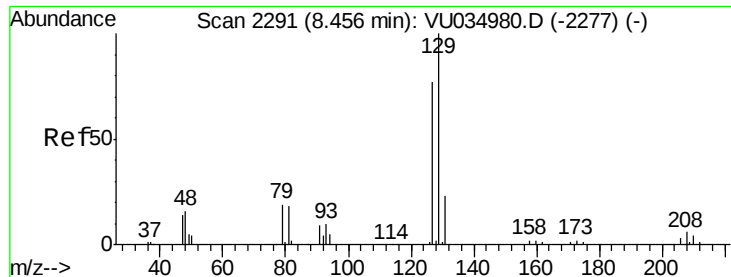
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.245 ug/L

RT: 8.46 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

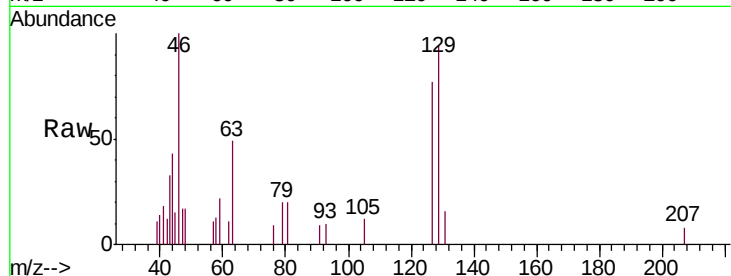
MDL04

Tgt Ion:129 Resp: 2758

Ion Ratio Lower Upper

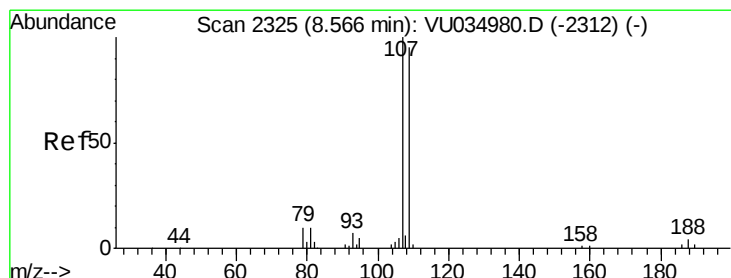
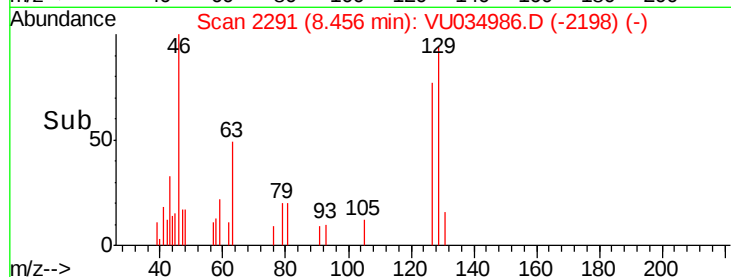
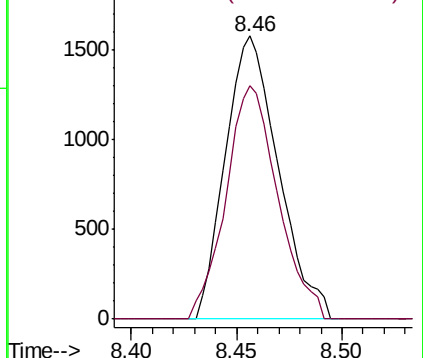
129 100

127 82.4 51.9 96.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#50

1,2-Dibromoethane

Concen: 0.213 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

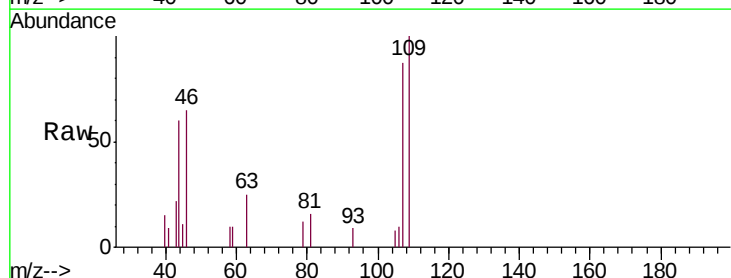
Tgt Ion:107 Resp: 1988

Ion Ratio Lower Upper

107 100

109 114.6 64.8 120.4

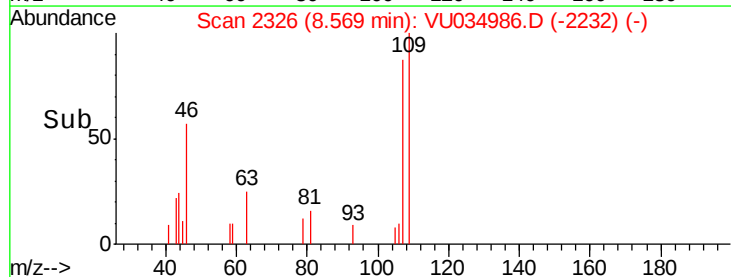
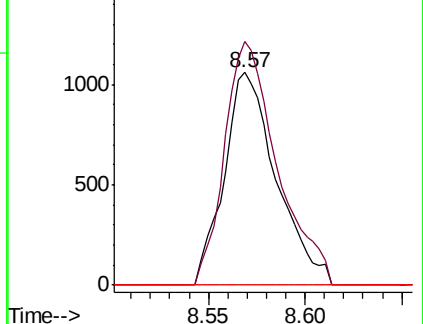
188 0.0 3.0 4.6#

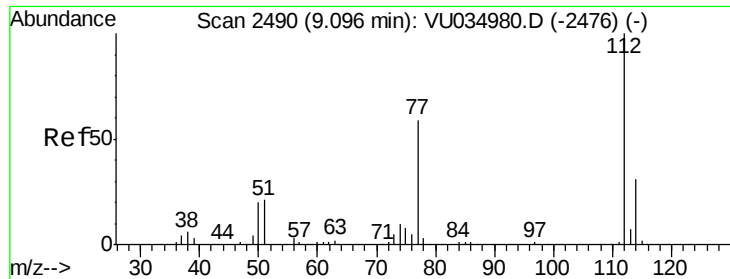


Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V

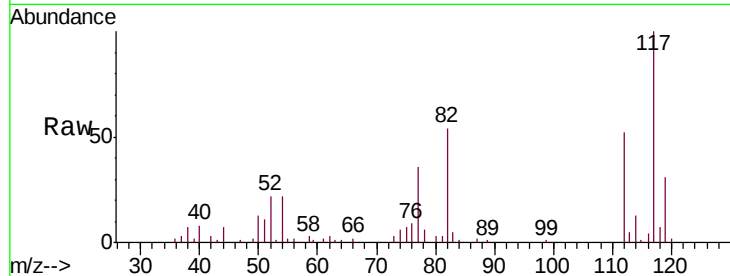




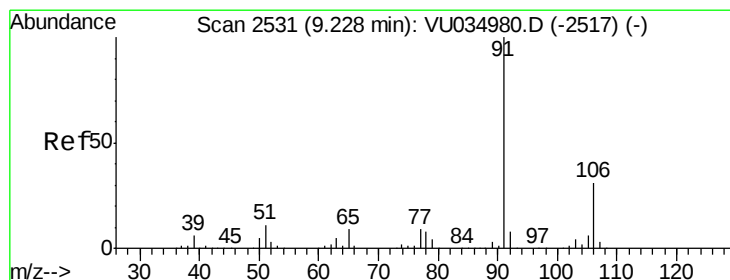
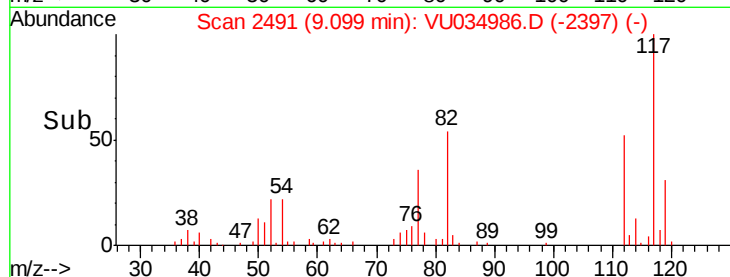
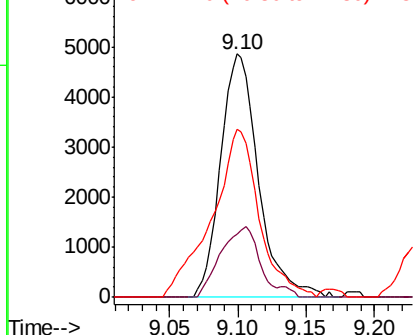
#51
Chlorobenzene
Concen: 0.254 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tgt Ion: 112 Resp: 9369
Ion Ratio Lower Upper
112 100
114 25.9 22.1 41.1
77 69.2 46.9 70.3

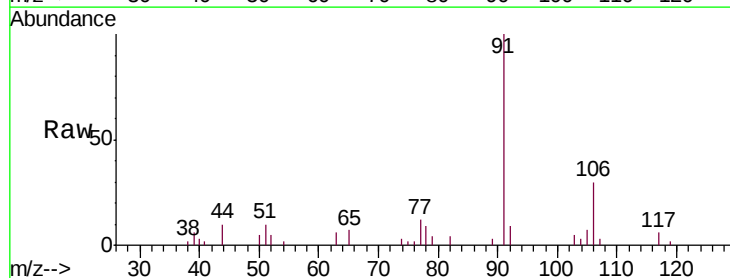


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

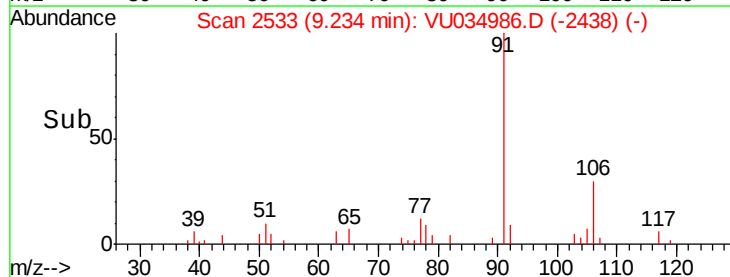
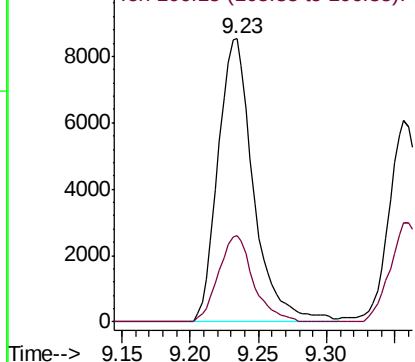


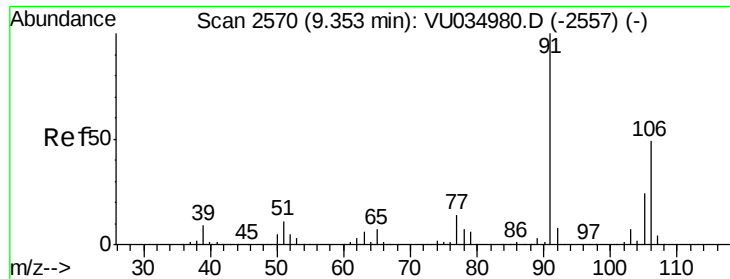
#52
Ethylbenzene
Concen: 0.246 ug/L
RT: 9.23 min Scan# 2533
Delta R.T. 0.01 min
Lab File: VU034986.D
Acq: 08 Oct 2019 12:15

Tgt Ion: 91 Resp: 15456
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.2



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





#53

m,p-Xylene

Concen: 0.234 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

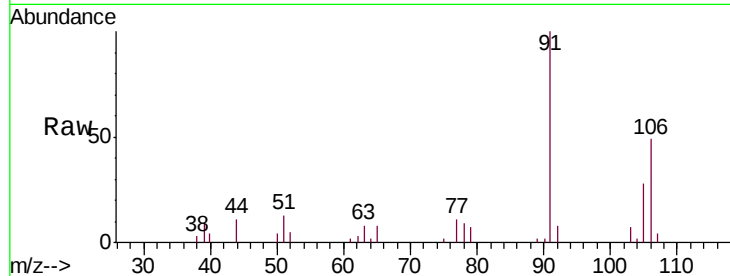
MDL04

Tgt Ion:106 Resp: 5435

Ion Ratio Lower Upper

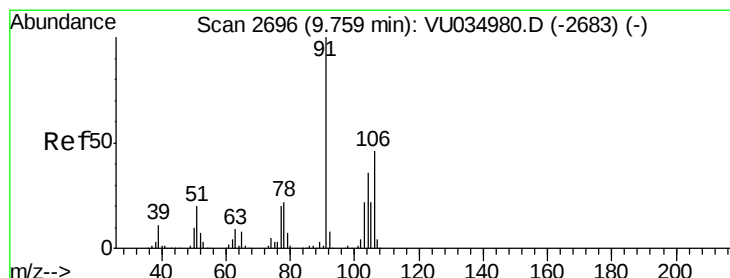
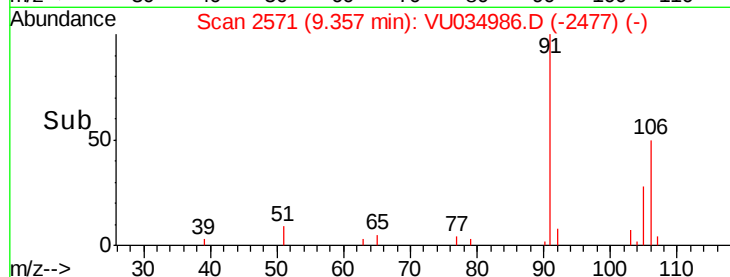
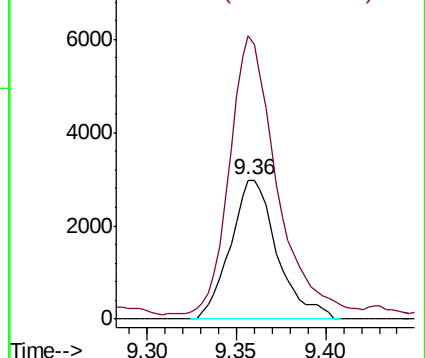
106 100

91 203.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#54

o-Xylene

Concen: 0.227 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. -0.00 min

Lab File: VU034986.D

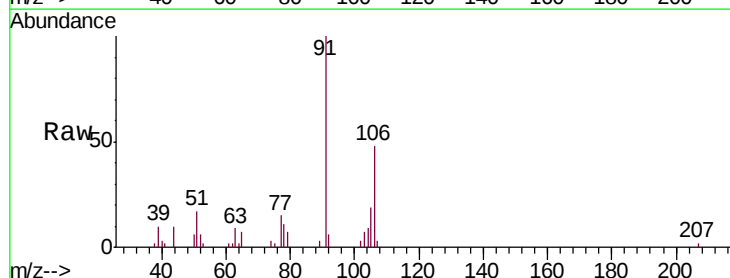
Acq: 08 Oct 2019 12:15

Tgt Ion:106 Resp: 5149

Ion Ratio Lower Upper

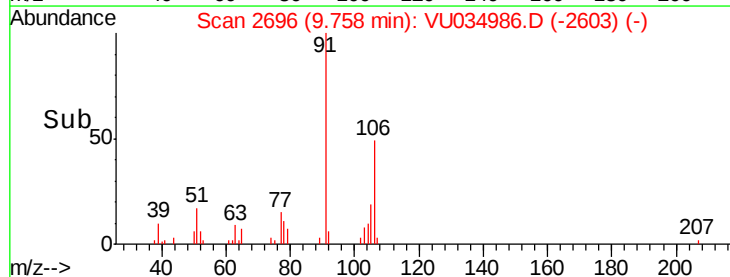
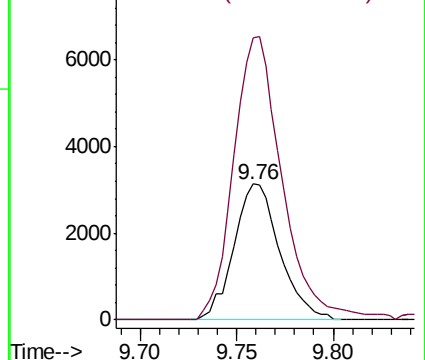
106 100

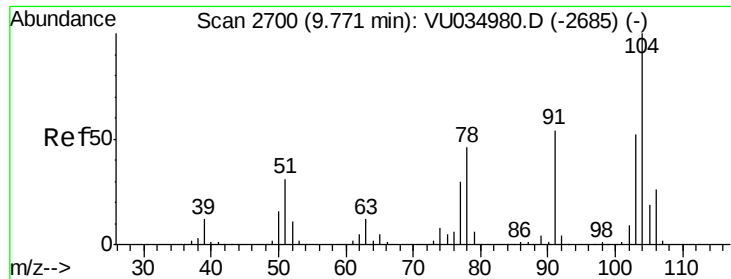
91 207.6 148.5 275.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0





#55

Styrene

Concen: 0.208 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleID :

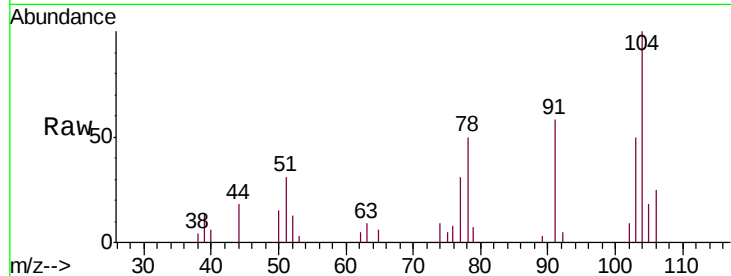
MDL04

Tgt Ion:104 Resp: 7622

Ion Ratio Lower Upper

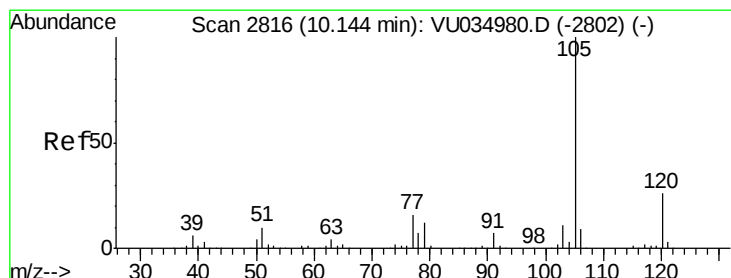
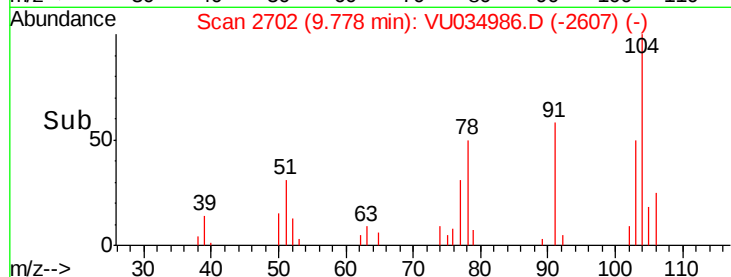
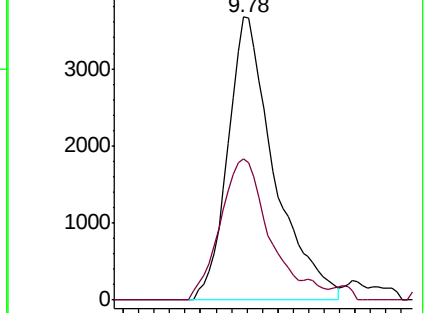
104 100

78 50.0 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: 0.233 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

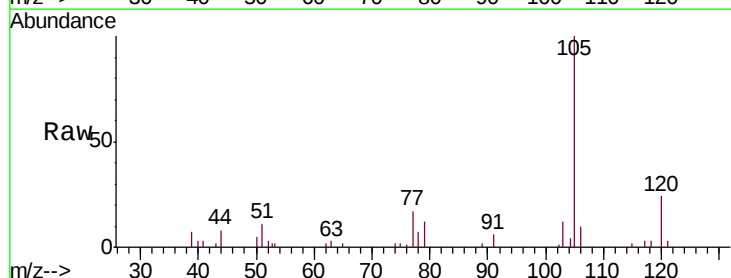
Tgt Ion:105 Resp: 14062

Ion Ratio Lower Upper

105 100

120 23.8 21.3 31.9

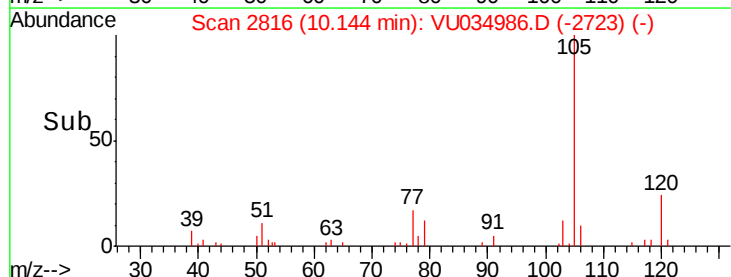
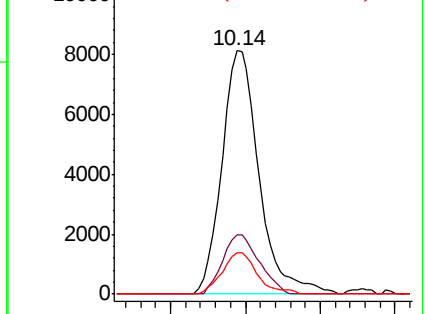
77 16.2 13.0 19.4

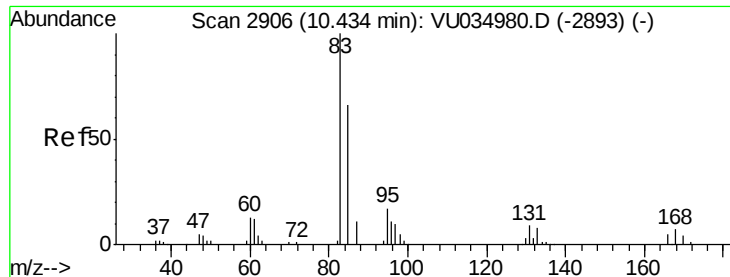


Abundance Ion 105.05 (104.75 to 105.75): V

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: 0.295 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampled :

MDL04

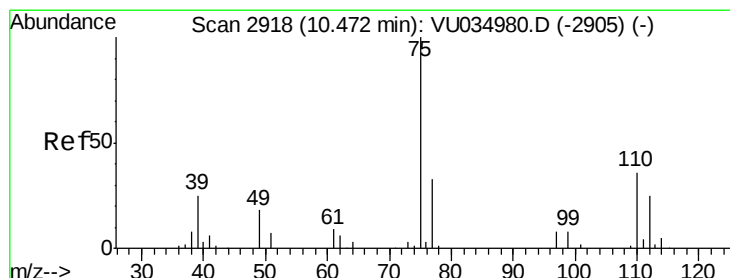
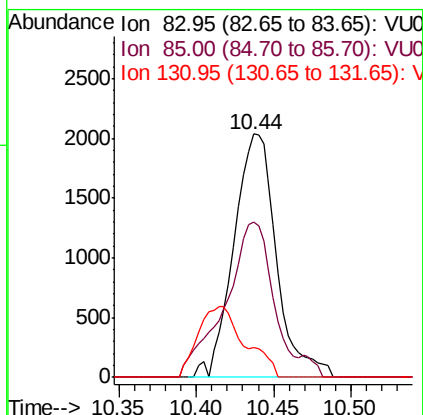
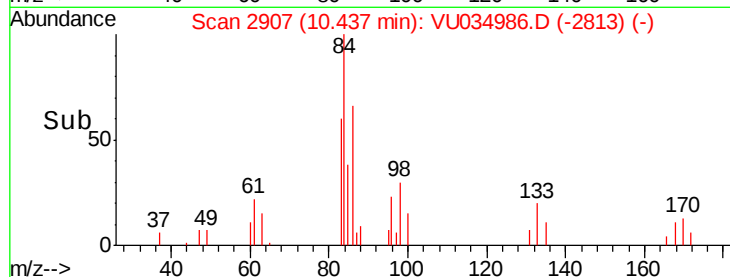
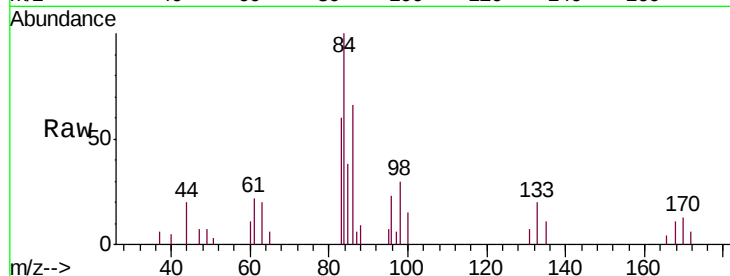
Tgt Ion: 83 Resp: 3909

Ion Ratio Lower Upper

83 100

85 63.6 44.6 82.8

131 12.1 7.4 11.2#



#59

1,2,3-Trichloropropane

Concen: 0.270 ug/L

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034986.D

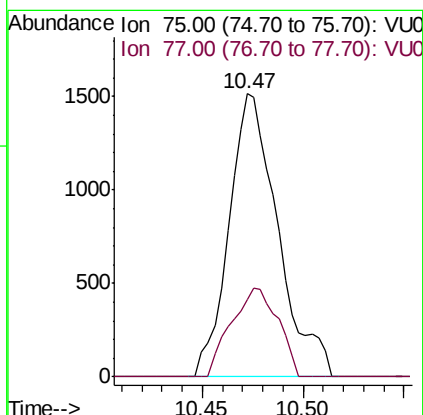
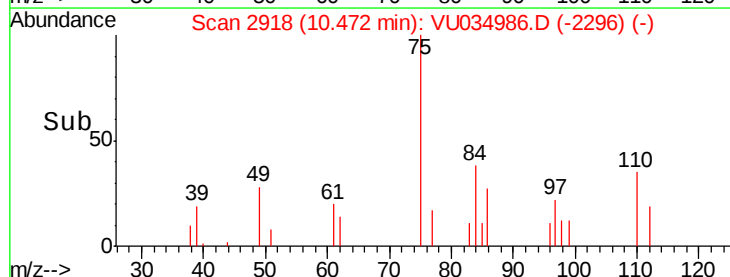
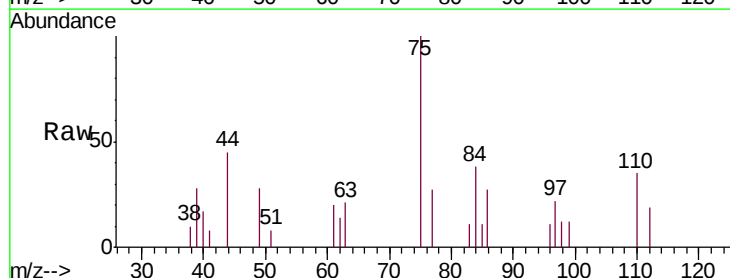
Acq: 08 Oct 2019 12:15

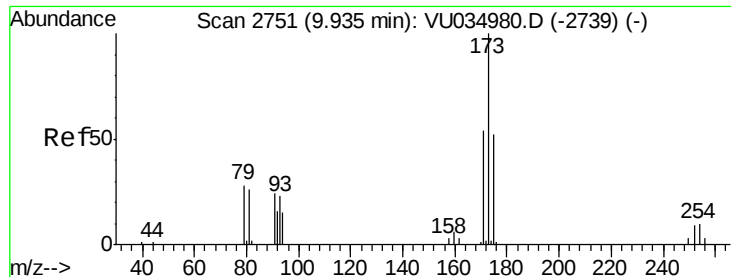
Tgt Ion: 75 Resp: 2564

Ion Ratio Lower Upper

75 100

77 30.1 26.5 39.7





#61

Bromoform

Concen: 0.246 ug/L

RT: 9.94 min Scan# 2753

Delta R.T. 0.01 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

Instrument :

MSVOA_U

ClientSampleId :

MDL04

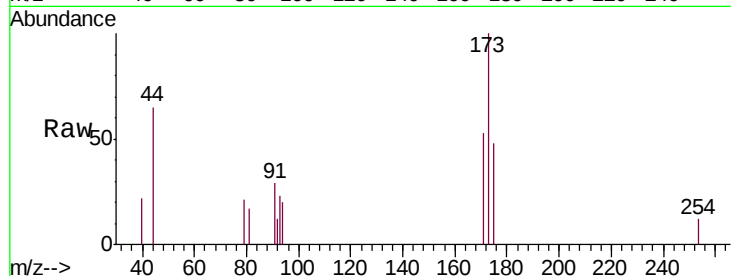
Tgt Ion:173 Resp: 1328

Ion Ratio Lower Upper

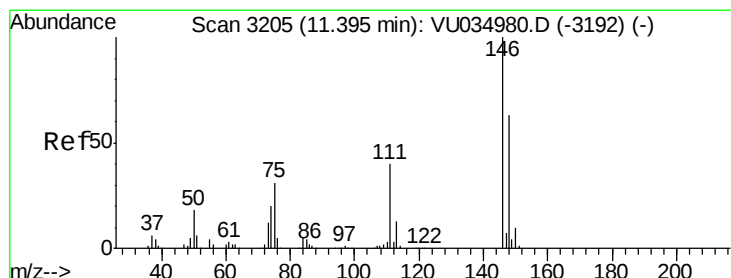
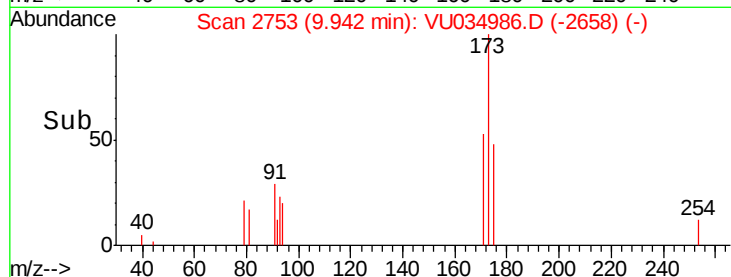
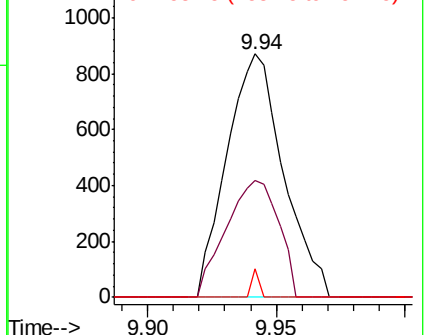
173 100

175 44.6 37.2 55.8

254 1.5 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: 0.263 ug/L

RT: 11.40 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU034986.D

Acq: 08 Oct 2019 12:15

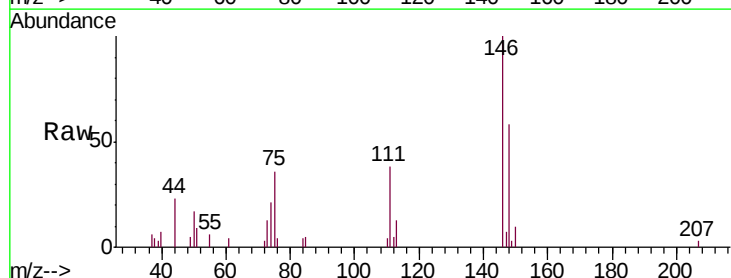
Tgt Ion:146 Resp: 6370

Ion Ratio Lower Upper

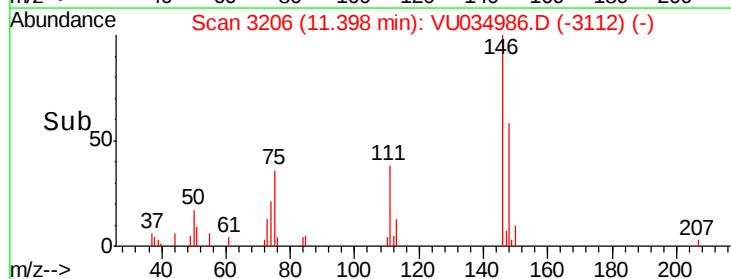
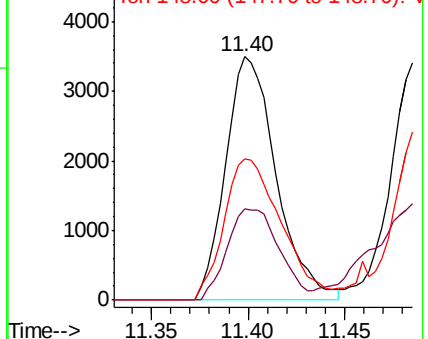
146 100

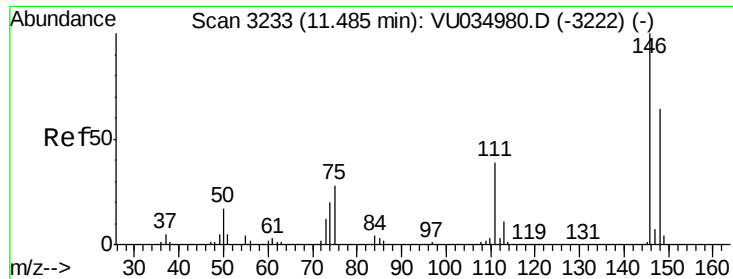
111 37.7 28.6 53.2

148 58.0 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

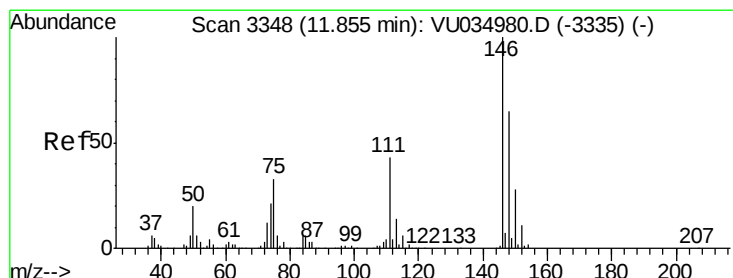
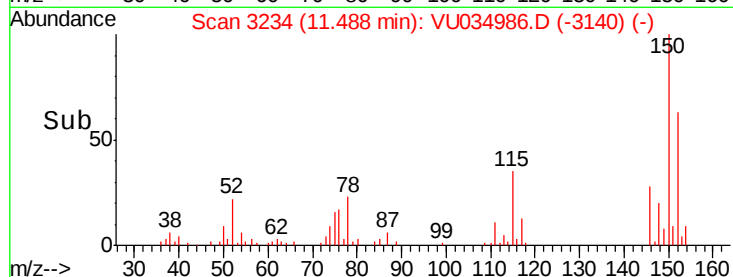
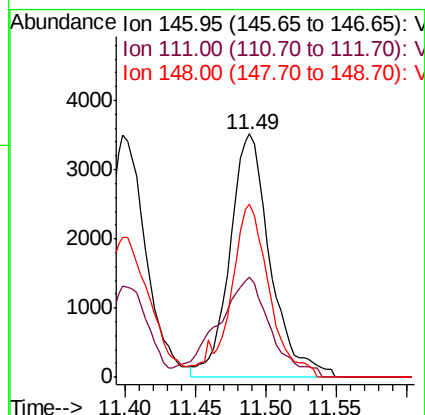
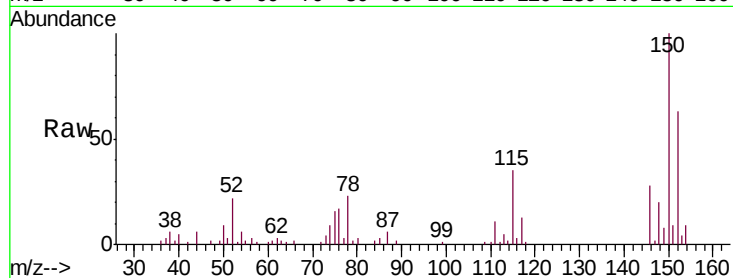




#63
 1,4-Dichlorobenzene
 Concen: 0.289 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

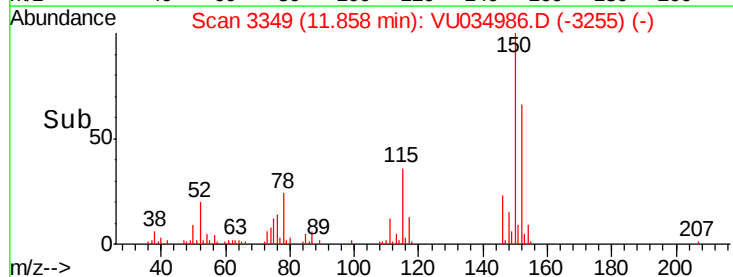
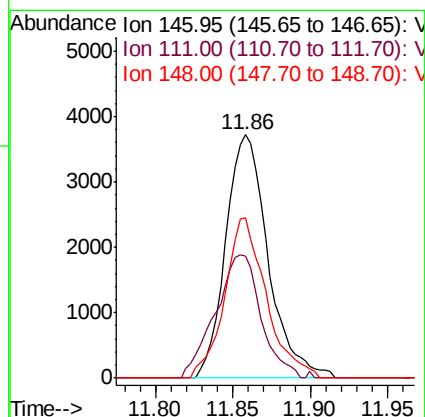
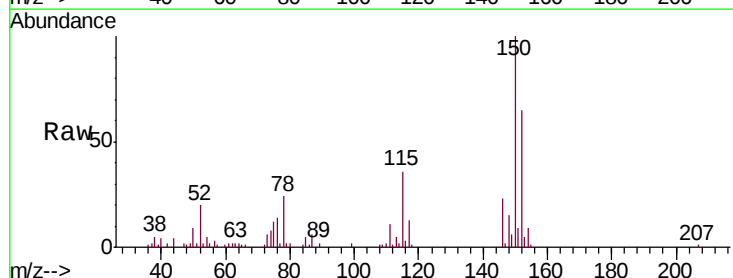
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

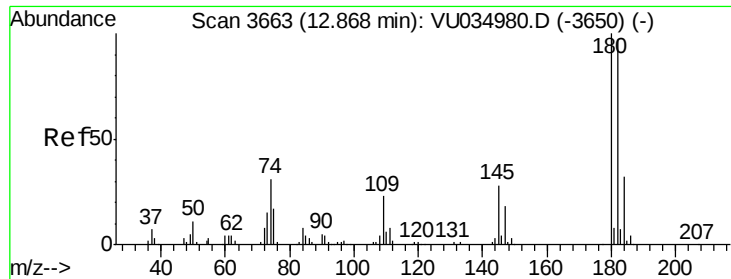
Tgt Ion:146 Resp: 7062
 Ion Ratio Lower Upper
 146 100
 111 40.9 27.9 51.7
 148 71.1 44.1 81.9



#65
 1,2-Dichlorobenzene
 Concen: 0.303 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Tgt Ion:146 Resp: 7068
 Ion Ratio Lower Upper
 146 100
 111 50.2 34.2 51.4
 148 65.9 52.0 78.0





#67
 1,3,5-Trichlorobenzene
 Concen: 0.237 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU034986.D
 Acq: 08 Oct 2019 12:15

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.5	76.0	114.0
184	26.5	24.2	36.2
145	24.2	24.6	37.0#

