

Data File : VU034985.D
Acq On : 08 Oct 2019 11:51
Operator : JC/SP
Sample : MDL03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Quant Time: Oct 09 07:20:06 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	178918	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	178187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	77861	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46378	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.67	69	45371	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.26	63	73427	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.19	46	158871	51.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.02%
24) Chloroform-d	4.62	84	87900	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	57590	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.32	84	196211	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.31	67	67626	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	179491	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.84	79	20677	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.30	63	112257	46.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57730	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	67142	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	4294	0.263 ug/L	93
3) Chloromethane	1.32	50	4837	0.270 ug/L	97
5) Vinyl chloride	1.40	62	4945	0.281 ug/L #	82
6) Bromomethane	1.62	94	2499	0.255 ug/L	90
8) Chloroethane	1.69	64	2893	0.274 ug/L	95
9) Trichlorofluoromethane	1.88	101	5829	0.274 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3855	0.315 ug/L #	84
12) 1,1-Dichloroethene	2.27	96	3397	0.296 ug/L #	1
13) Acetone	2.33	43	7789	3.053 ug/L	88
14) Carbon disulfide	2.47	76	9849	0.258 ug/L	97
15) Methyl Acetate	2.61	43	1922	0.283 ug/L #	74
16) Methylene chloride	2.68	84	6096	0.428 ug/L	90
17) Methyl tert-butyl Ether	2.99	73	8910	0.284 ug/L #	93
18) trans-1,2-Dichloroethene	2.97	96	3462	0.281 ug/L	91
19) 1,1-Dichloroethane	3.42	63	6867	0.281 ug/L	92
21) 2-Butanone	4.28	43	10331	2.844 ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	3568	0.260 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1311	0.228	ug/L	89
25) Chloroform	4.65	83	25138	0.915	ug/L	99
27) 1,2-Dichloroethane	5.39	62	4183	0.261	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	5360	0.268	ug/L	95
30) Cyclohexane	4.97	56	5354	0.243	ug/L #	92
31) Carbon tetrachloride	5.11	117	4308	0.248	ug/L	96
33) Benzene	5.37	78	15453	0.288	ug/L	100
34) Trichloroethene	6.16	95	3749	0.271	ug/L	86
35) Methylcyclohexane	6.40	83	5608	0.250	ug/L	95
37) 1,2-Dichloropropane	6.42	63	4049	0.280	ug/L #	91
38) Bromodichloromethane	6.74	83	4361	0.257	ug/L	95
39) cis-1,3-Dichloropropene	7.26	75	4474	0.228	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	20123	2.208	ug/L #	84
42) Toluene	7.62	91	14494	0.259	ug/L	94
44) trans-1,3-Dichloropropene	7.87	75	3479	0.229	ug/L	88
45) 1,1,2-Trichloroethane	8.06	97	2460	0.256	ug/L	81
47) Tetrachloroethene	8.21	164	2914	0.260	ug/L	90
48) 2-Hexanone	8.35	43	16723	2.677	ug/L	93
49) Dibromochloromethane	8.46	129	2418	0.218	ug/L	93
50) 1,2-Dibromoethane	8.57	107	2195	0.239	ug/L #	90
51) Chlorobenzene	9.10	112	8947	0.246	ug/L	94
52) Ethylbenzene	9.23	91	15140	0.245	ug/L	95
53) m,p-Xylene	9.36	106	5179	0.227	ug/L	85
54) o-Xylene	9.76	106	4944	0.221	ug/L	95
55) Styrene	9.78	104	6757	0.187	ug/L	100
56) Isopropylbenzene	10.14	105	12557	0.211	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.43	83	3204	0.245	ug/L #	93
59) 1,2,3-Trichloropropane	10.48	75	2583	0.276	ug/L	94
61) Bromoform	9.94	173	1208	0.226	ug/L #	88
62) 1,3-Dichlorobenzene	11.40	146	6462	0.269	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	6436	0.266	ug/L	90
65) 1,2-Dichlorobenzene	11.86	146	6688	0.289	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	3252	0.200	ug/L #	95

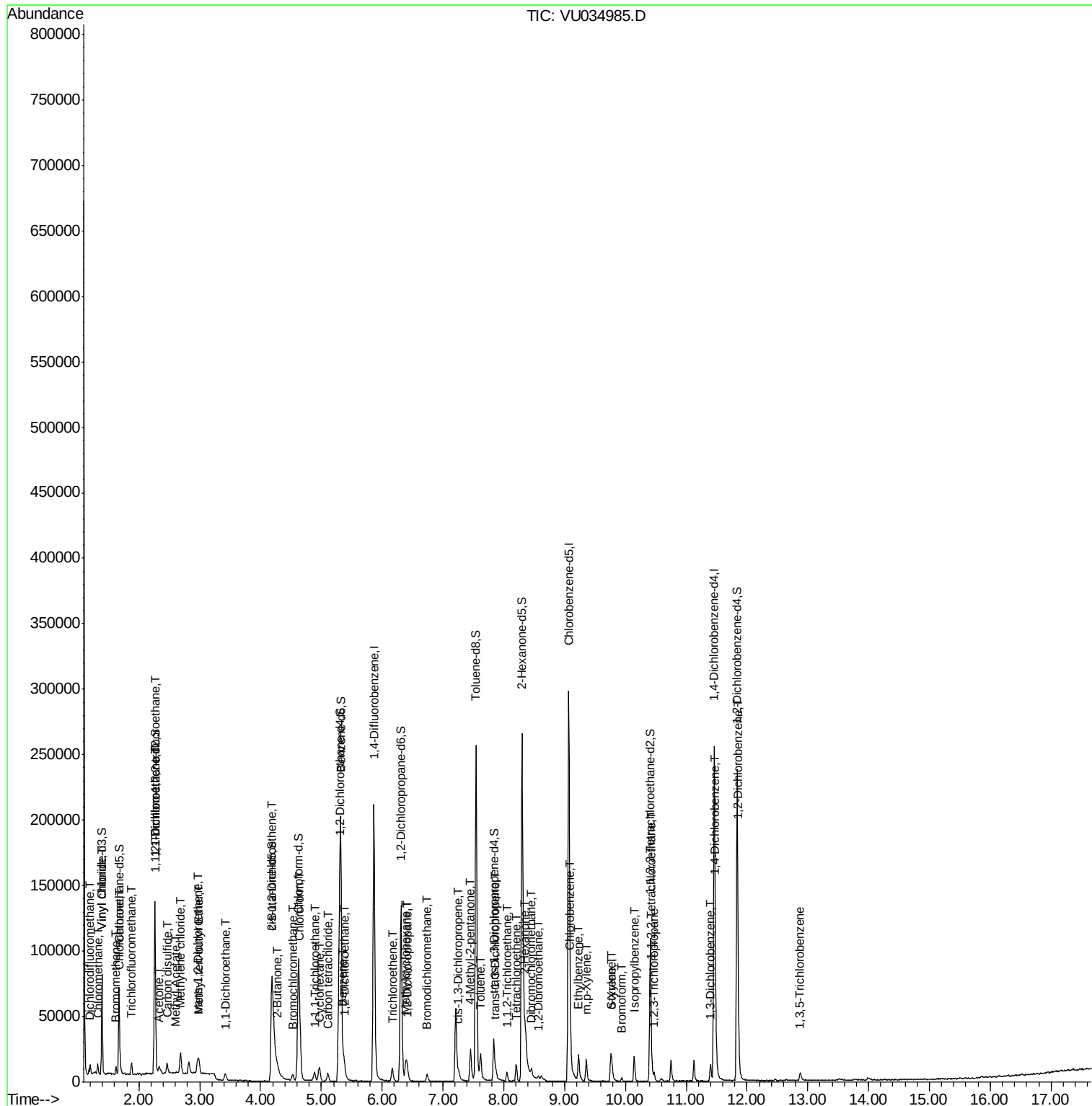
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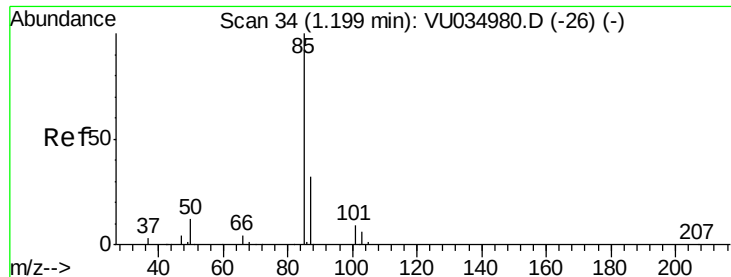
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#2

Dichlorodifluoromethane

Concen: 0.263 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

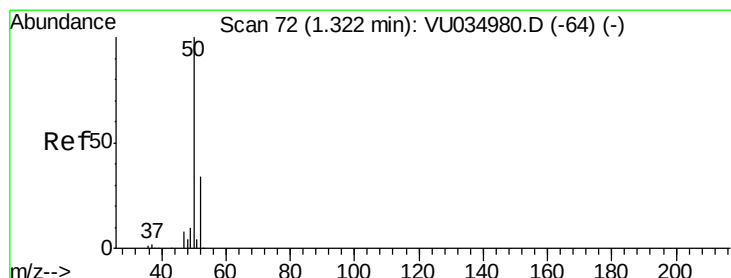
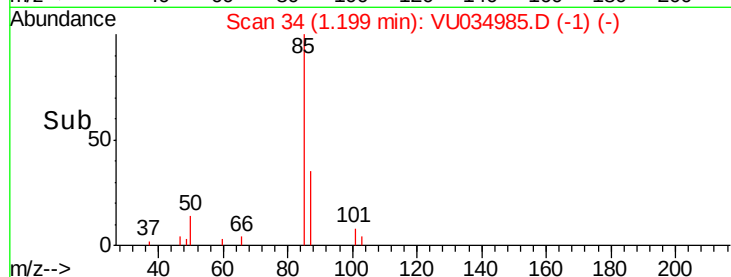
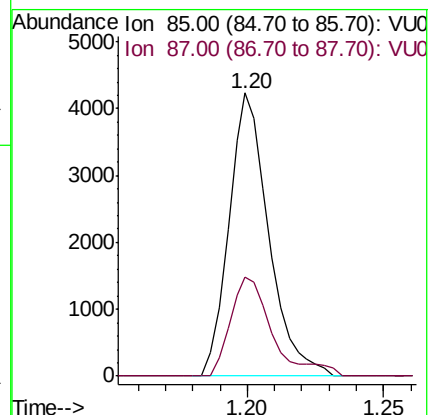
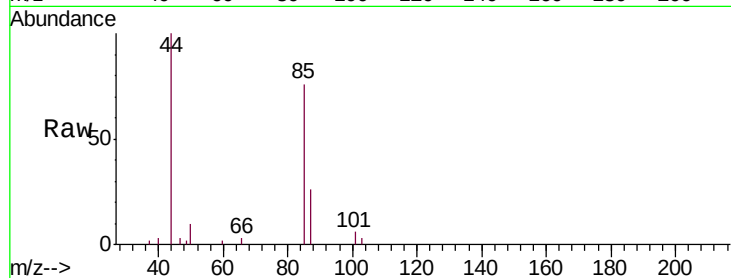
MDL03

Tgt Ion: 85 Resp: 4294

Ion Ratio Lower Upper

85 100

87 36.7 26.3 39.5



#3

Chloromethane

Concen: 0.270 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034985.D

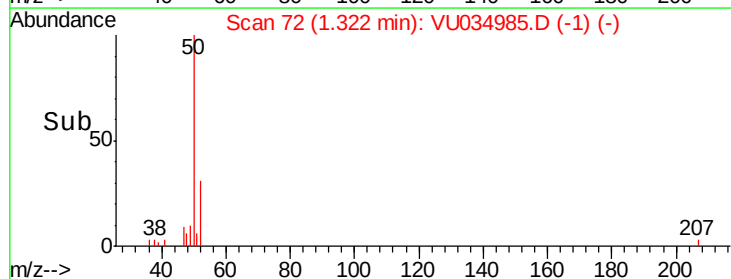
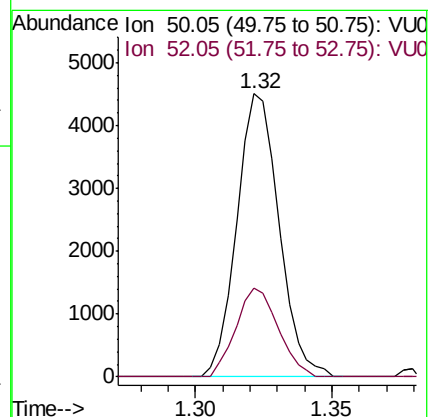
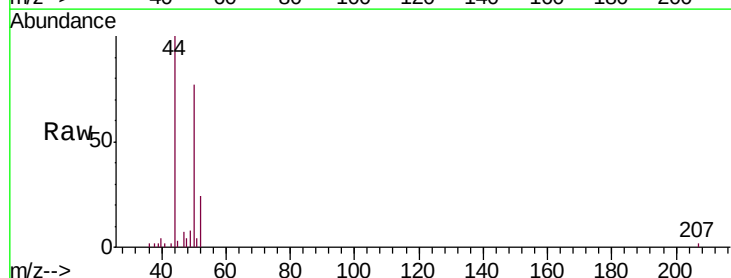
Acq: 08 Oct 2019 11:51

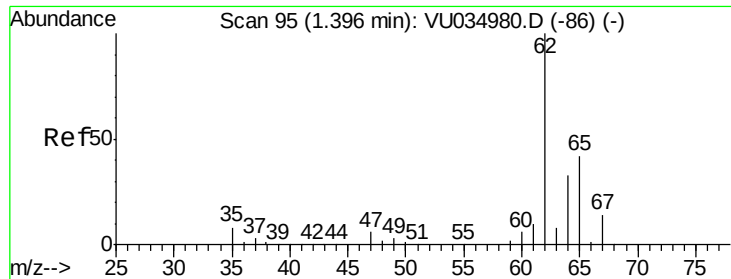
Tgt Ion: 50 Resp: 4837

Ion Ratio Lower Upper

50 100

52 31.3 23.3 43.3





#5

Vinyl chloride

Concen: 0.281 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

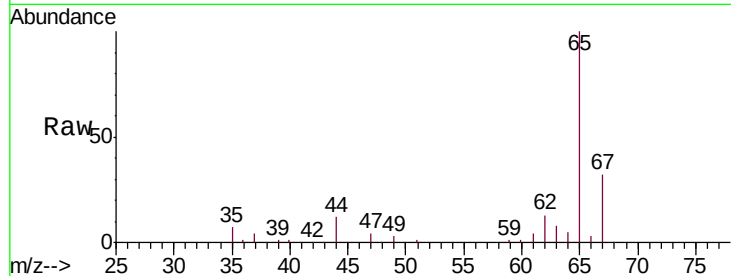
MDL03

Tgt Ion: 62 Resp: 4945

Ion Ratio Lower Upper

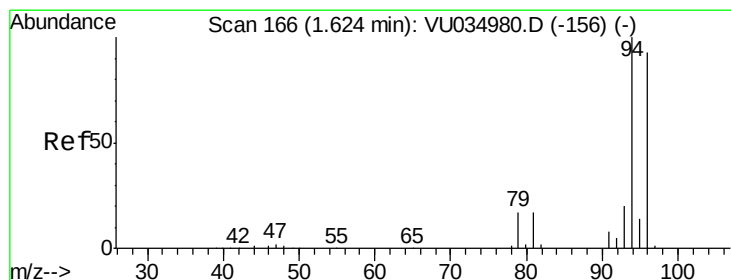
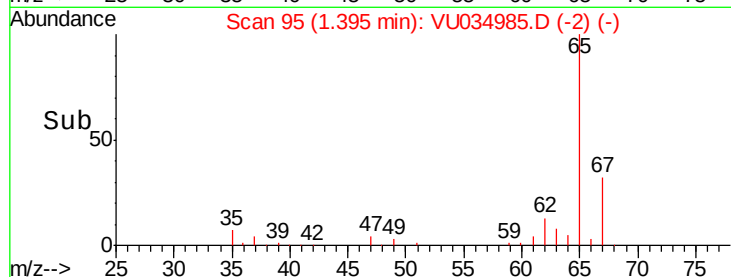
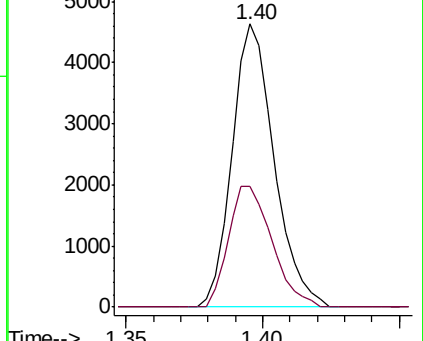
62 100

64 42.5 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: 0.255 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034985.D

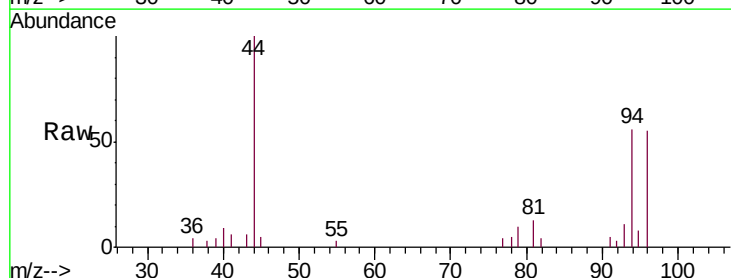
Acq: 08 Oct 2019 11:51

Tgt Ion: 94 Resp: 2499

Ion Ratio Lower Upper

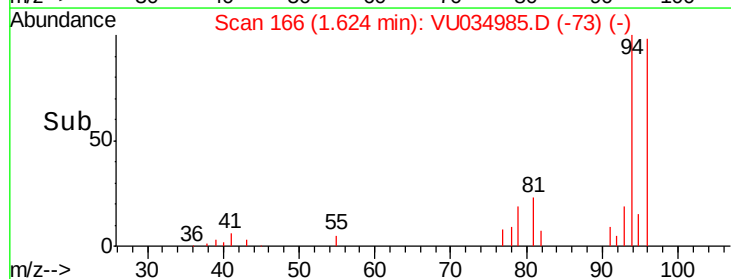
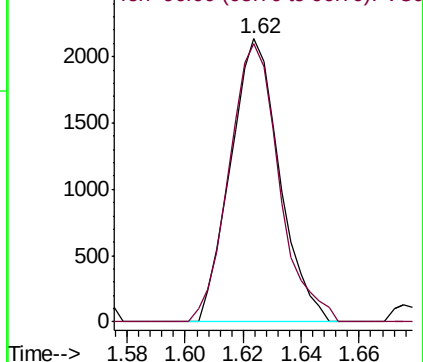
94 100

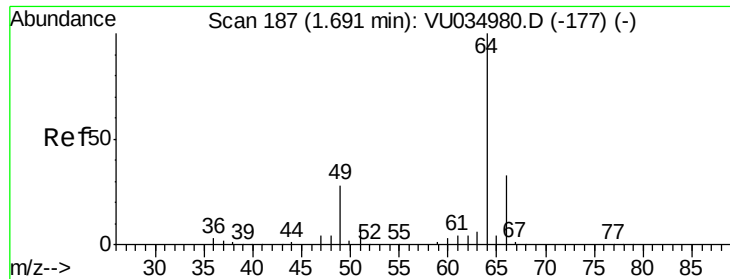
96 98.1 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

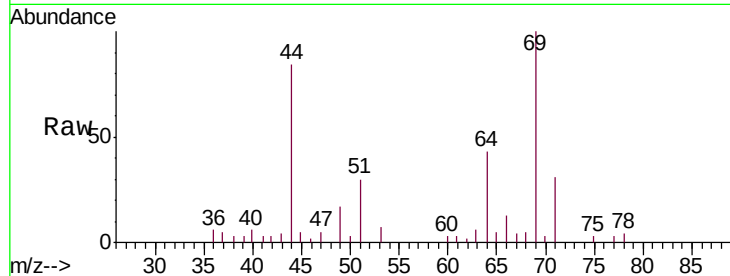




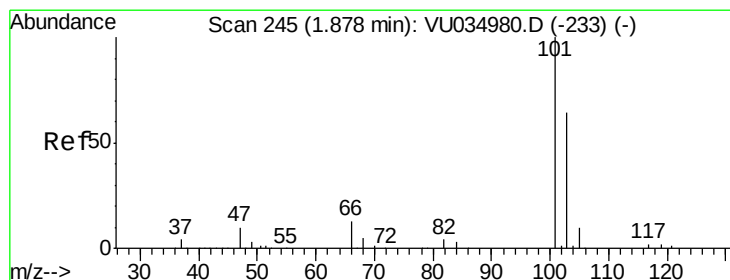
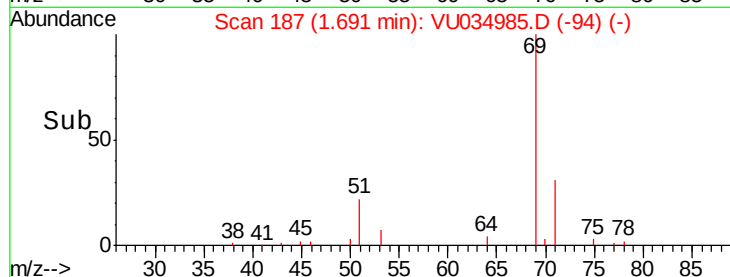
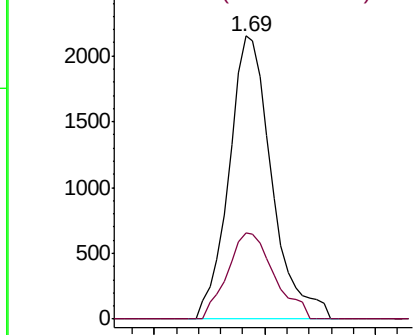
#8
Chloroethane
Concen: 0.274 ug/L
RT: 1.69 min Scan# 187
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tgt Ion: 64 Resp: 2893
Ion Ratio Lower Upper
64 100
66 30.3 23.2 43.2

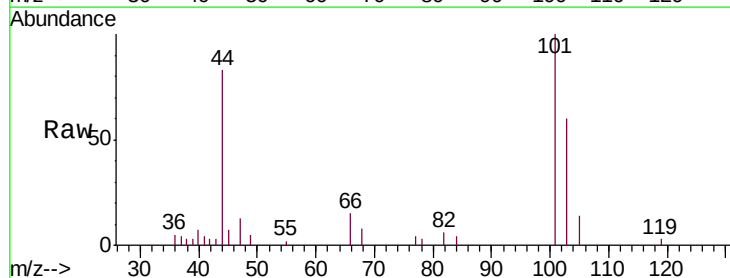


Abundance Ion 64.10 (63.80 to 64.80): VU034985.D (-177) (-)
Ion 66.05 (65.75 to 66.75): VU034985.D (-177) (-)

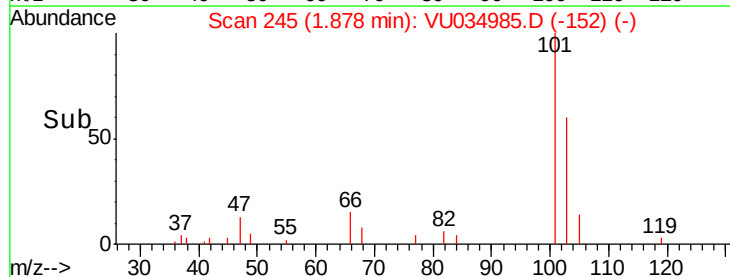
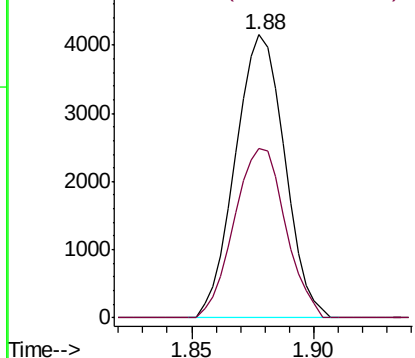


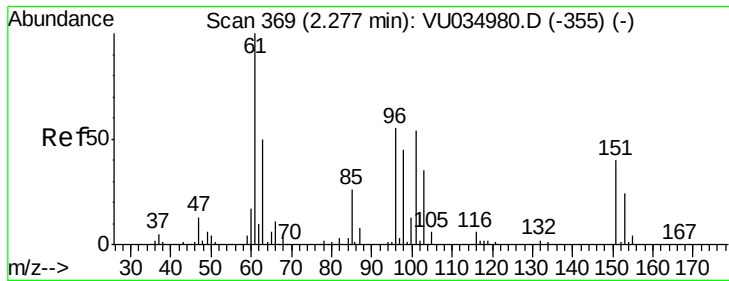
#9
Trichlorofluoromethane
Concen: 0.274 ug/L
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 101 Resp: 5829
Ion Ratio Lower Upper
101 100
103 62.0 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU034985.D (-233) (-)
Ion 103.00 (102.70 to 103.70): VU034985.D (-233) (-)





#10

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

Concen: 0.315 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

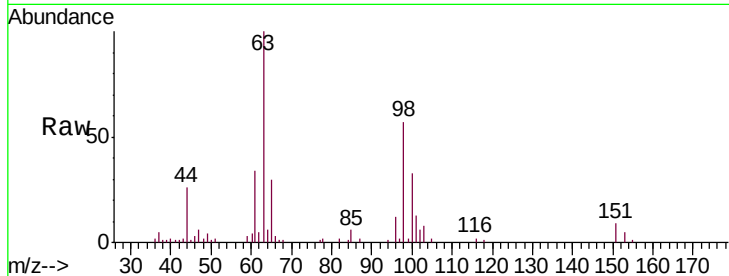
Tgt Ion: 101 Resp: 3855

Ion Ratio Lower Upper

101 100

85 39.5 37.4 56.0

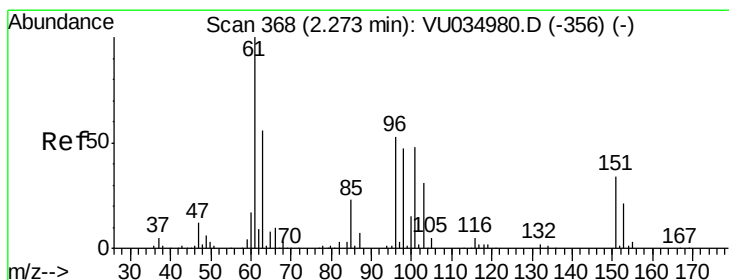
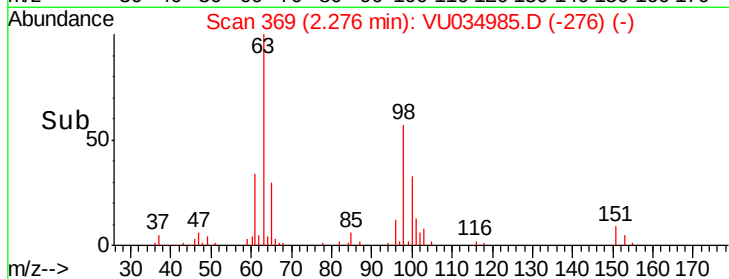
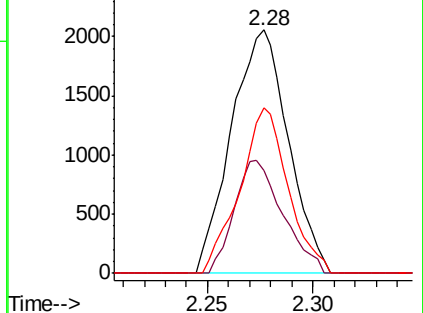
151 57.6 58.6 87.8#



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: 0.296 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

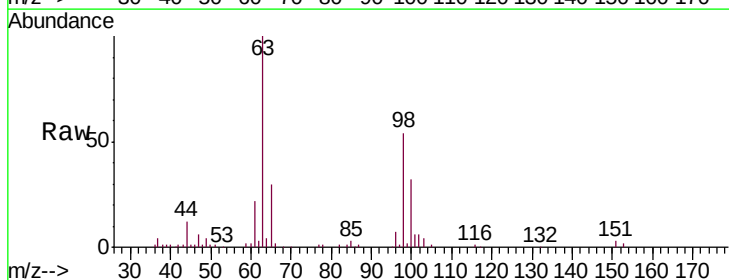
Tgt Ion: 96 Resp: 3397

Ion Ratio Lower Upper

96 100

61 327.3 129.3 240.1#

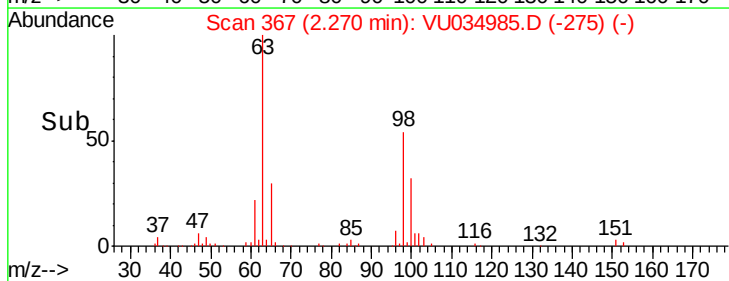
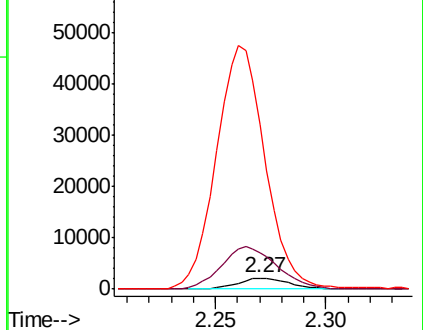
63 1474.4 108.9 202.3#

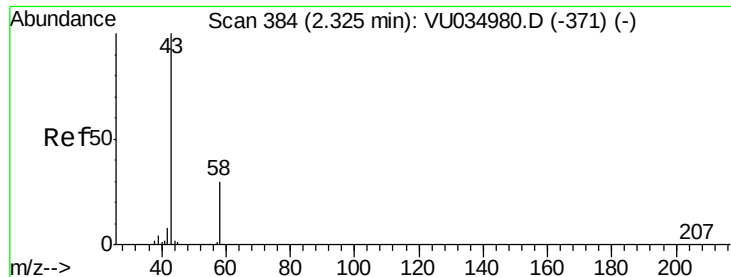


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.053 ug/L

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

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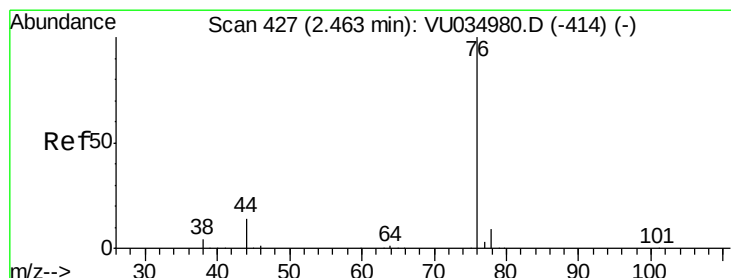
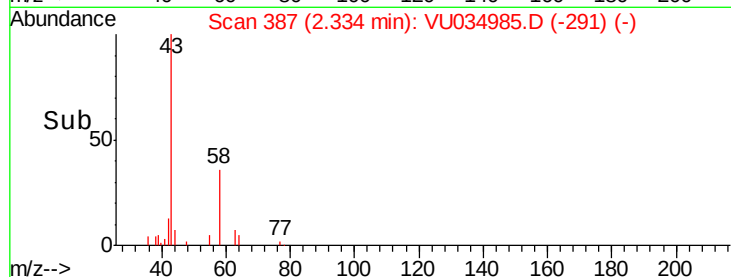
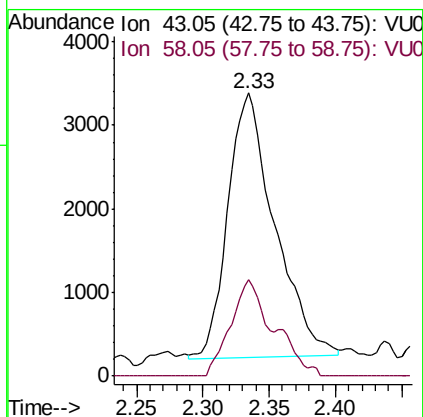
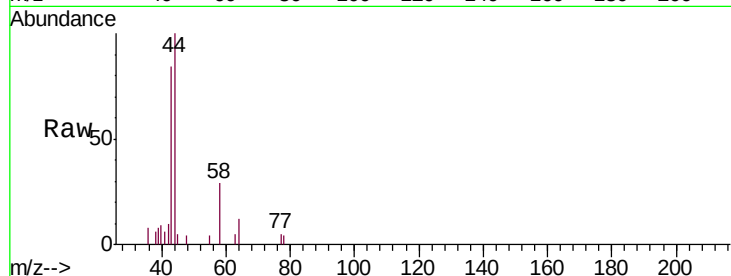
MDL03

Tgt Ion: 43 Resp: 7789

Ion Ratio Lower Upper

43 100

58 26.3 0.0 66.6



#14

Carbon disulfide

Concen: 0.258 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034985.D

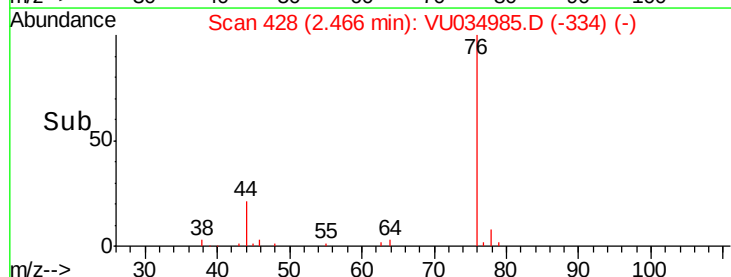
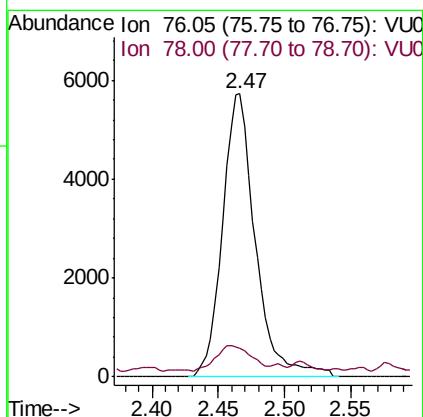
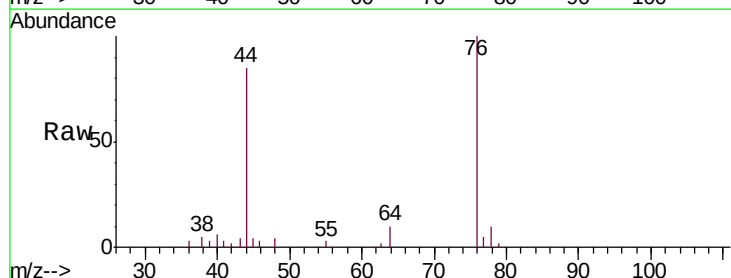
Acq: 08 Oct 2019 11:51

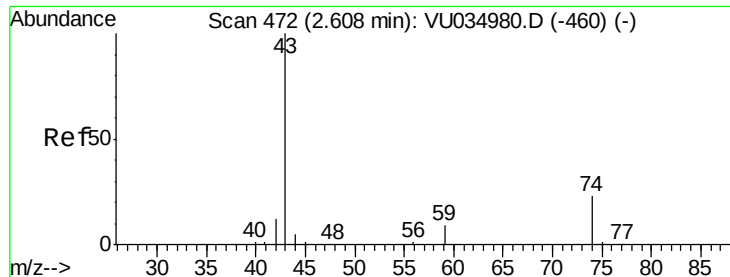
Tgt Ion: 76 Resp: 9849

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

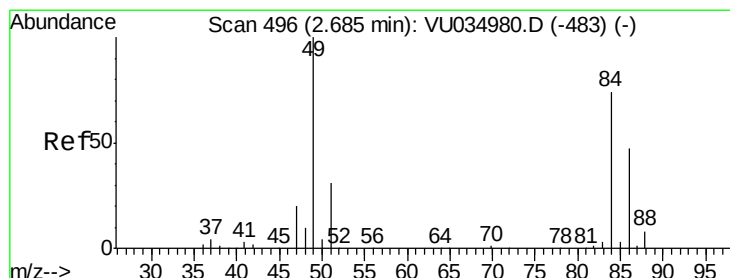
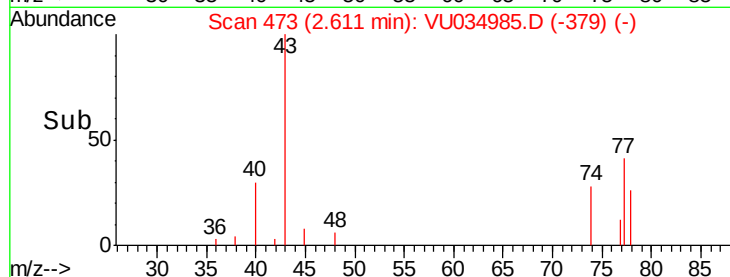
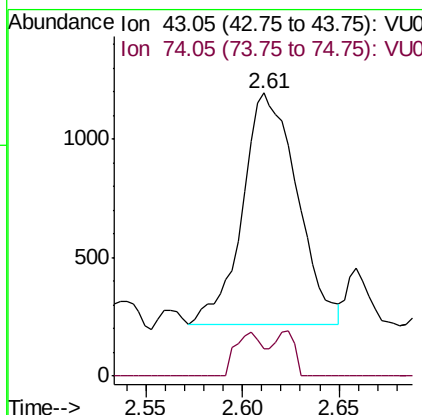
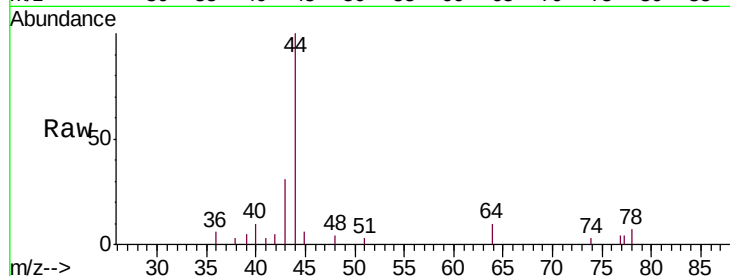




#15
Methyl Acetate
Concen: 0.283 ug/L
RT: 2.61 min Scan# 473
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

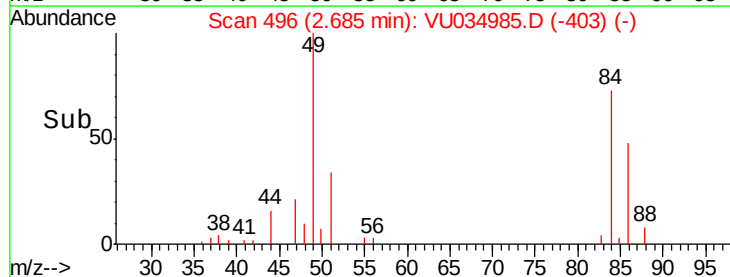
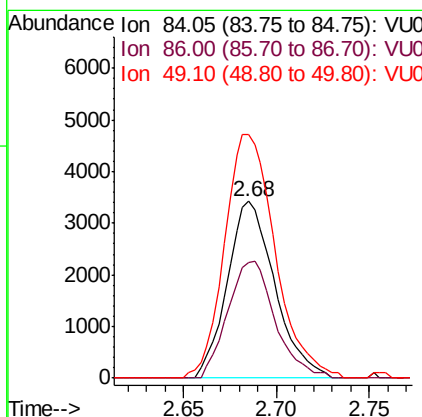
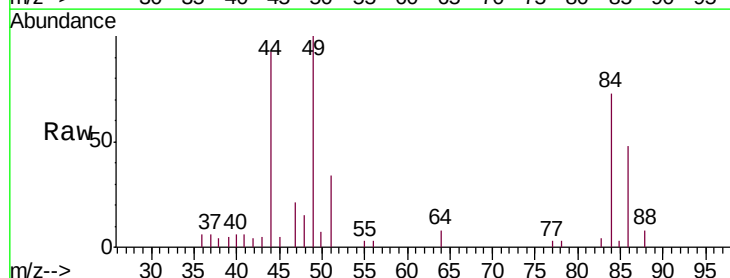
Instrument :
MSVOA_U
ClientSampleId :
MDL03

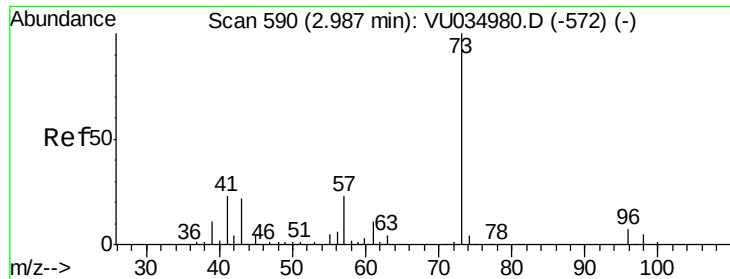
Tgt Ion: 43 Resp: 1922
Ion Ratio Lower Upper
43 100
74 9.9 17.8 26.8#



#16
Methylene chloride
Concen: 0.428 ug/L
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 84 Resp: 6096
Ion Ratio Lower Upper
84 100
86 65.6 42.5 78.9
49 137.6 86.9 161.3





#17

Methyl tert-butyl Ether

Concen: 0.284 ug/L

RT: 2.99 min Scan# 591

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

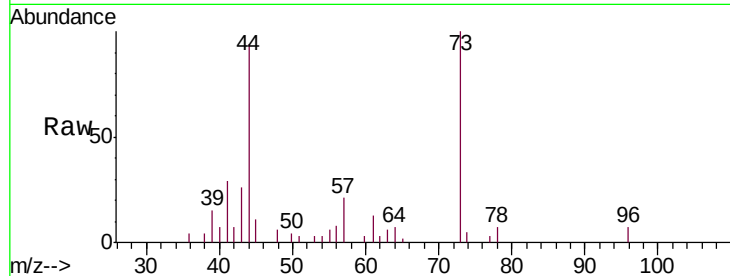
Tgt Ion: 73 Resp: 8910

Ion Ratio Lower Upper

73 100

43 25.9 16.3 24.5#

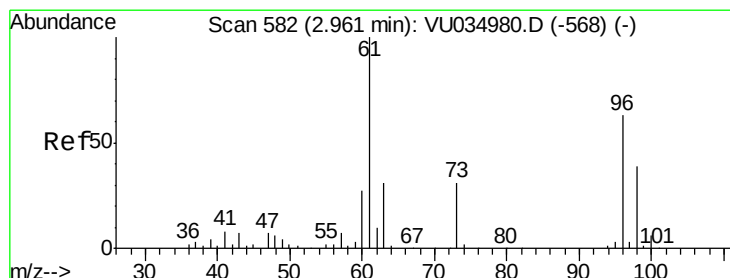
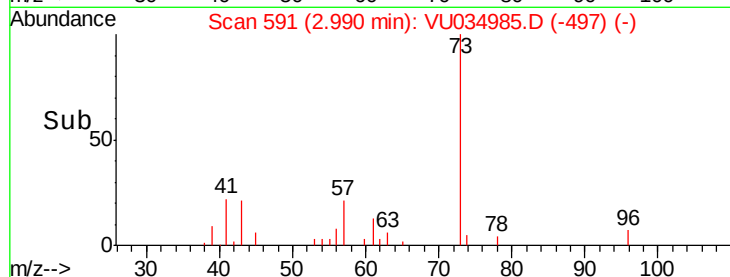
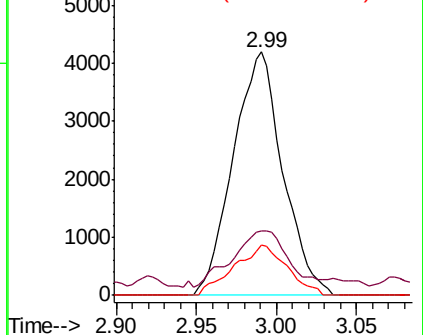
57 22.1 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU034980.D (-572) (-)

Ion 43.05 (42.75 to 43.75): VU034980.D (-572) (-)

Ion 57.10 (56.80 to 57.80): VU034980.D (-572) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.281 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

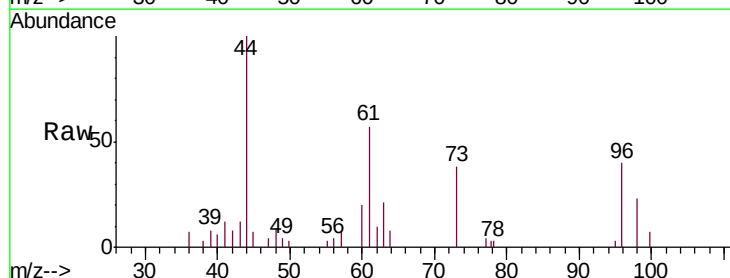
Tgt Ion: 96 Resp: 3462

Ion Ratio Lower Upper

96 100

61 142.2 107.1 198.9

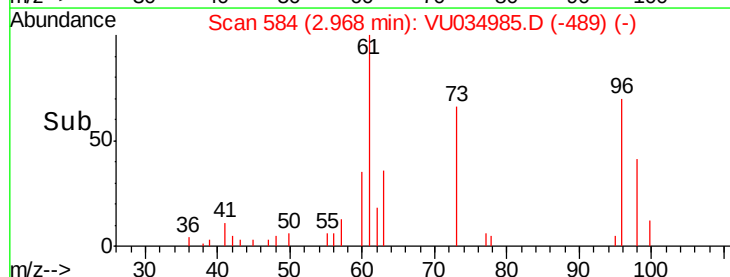
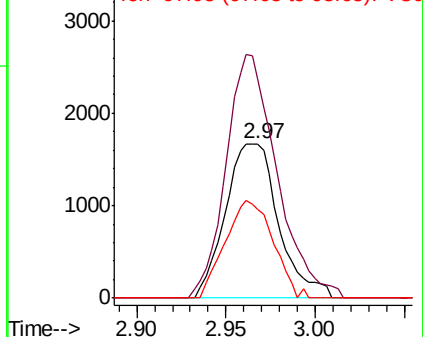
98 57.8 45.4 84.4

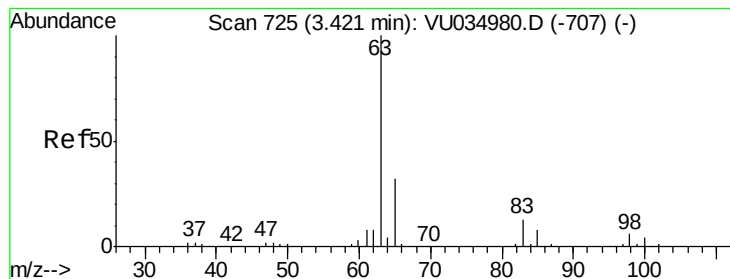


Abundance Ion 96.00 (95.70 to 96.70): VU034980.D (-568) (-)

Ion 61.05 (60.75 to 61.75): VU034980.D (-568) (-)

Ion 97.95 (97.65 to 98.65): VU034980.D (-568) (-)





#19

1,1-Dichloroethane

Concen: 0.281 ug/L

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

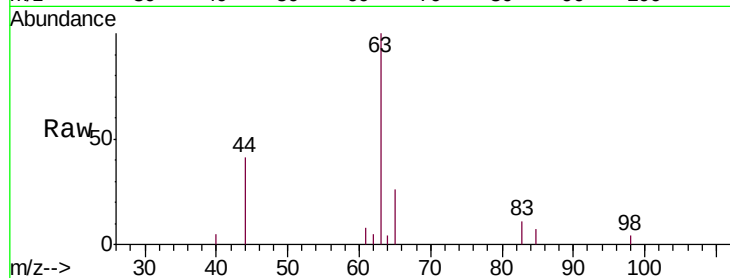
Tgt Ion: 63 Resp: 6867

Ion Ratio Lower Upper

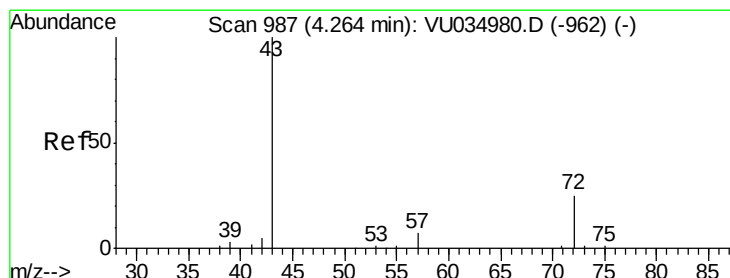
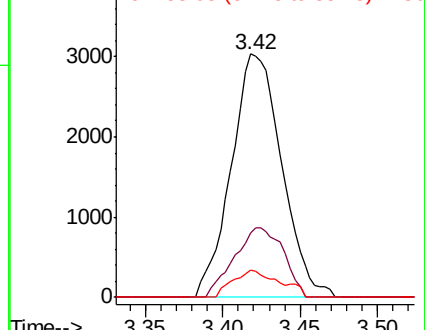
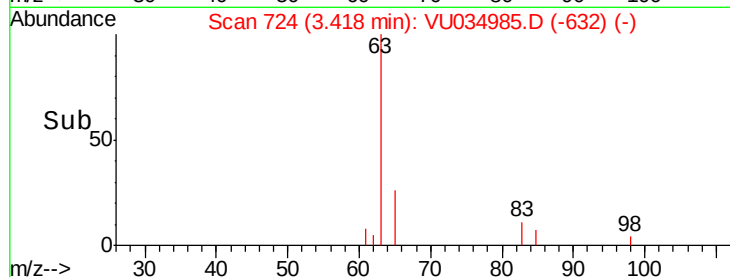
63 100

65 26.2 21.7 40.3

83 11.0 9.0 16.8



Abundance Ion 63.10 (62.80 to 63.80): VU034985.D (-632) (-)



#21

2-Butanone

Concen: 2.844 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.02 min

Lab File: VU034985.D

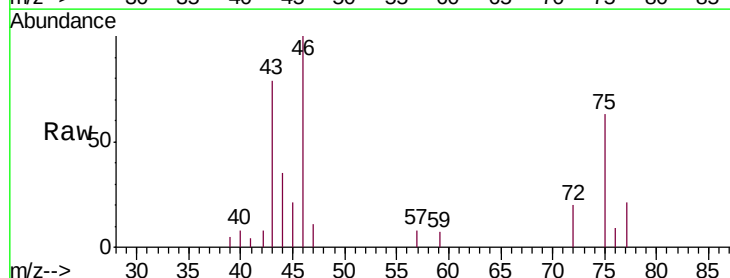
Acq: 08 Oct 2019 11:51

Tgt Ion: 43 Resp: 10331

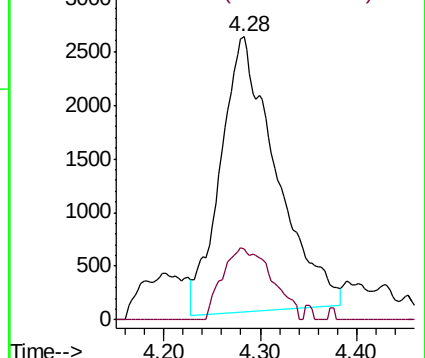
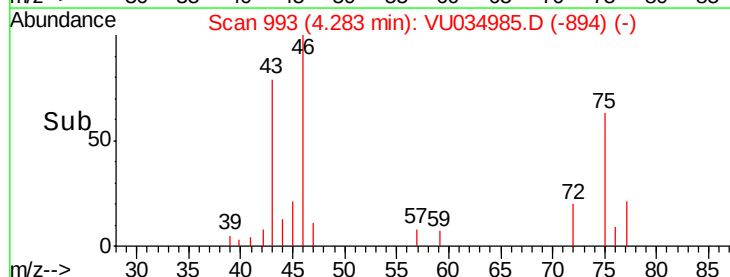
Ion Ratio Lower Upper

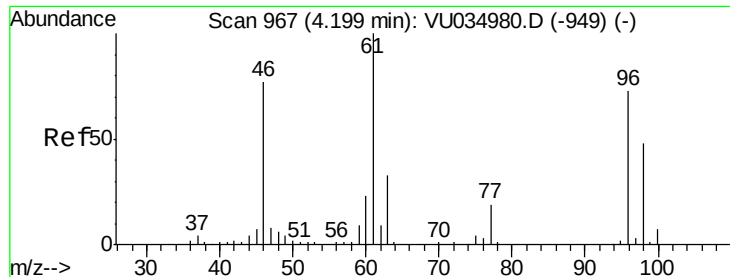
43 100

72 23.1 13.5 40.4



Abundance Ion 43.05 (42.75 to 43.75): VU034985.D (-894) (-)



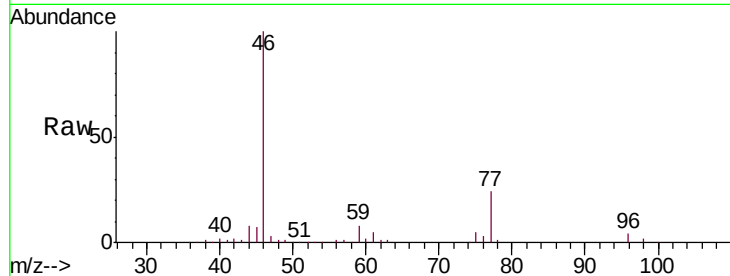


#22

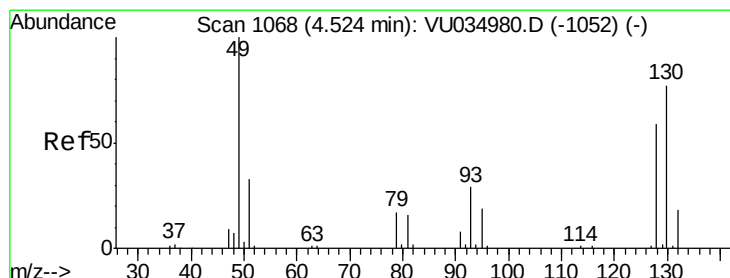
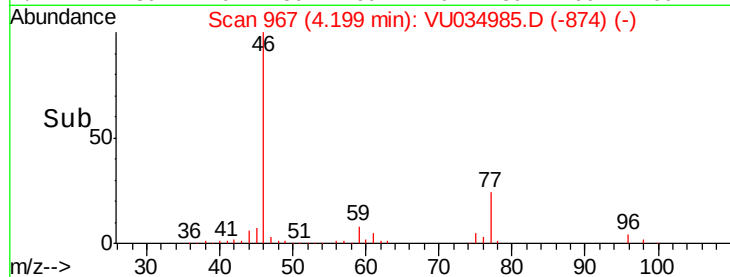
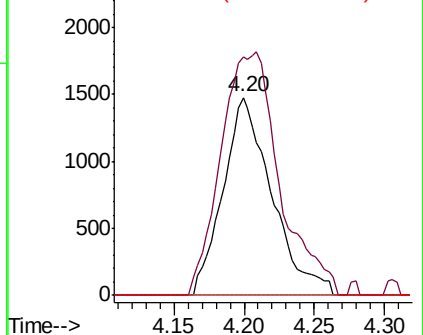
cis-1,2-Dichloroethene
Concen: 0.260 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tgt Ion: 96 Resp: 3568
Ion Ratio Lower Upper
96 100
61 120.9 89.2 165.6
68 0.0 0.0 0.0



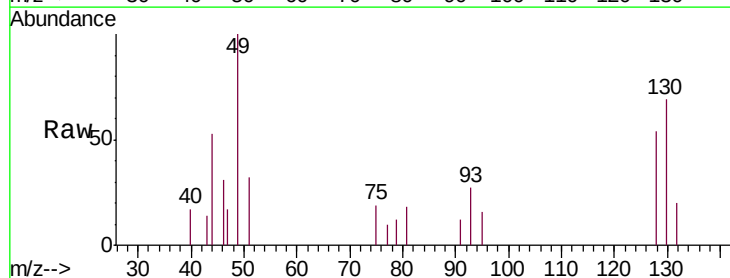
Abundance Ion 96.00 (95.70 to 96.70): VU034985.D (-967) (-)
Ion 61.05 (60.75 to 61.75): VU034985.D (-967) (-)
Ion 68.15 (67.85 to 68.85): VU034985.D (-967) (-)



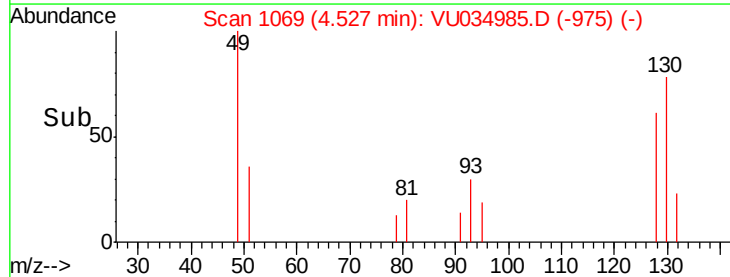
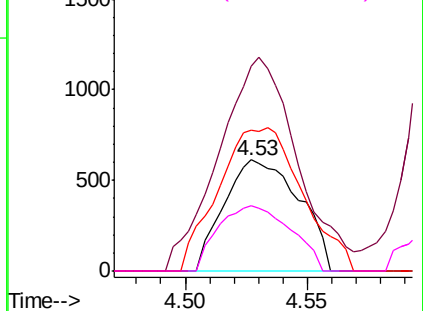
#23

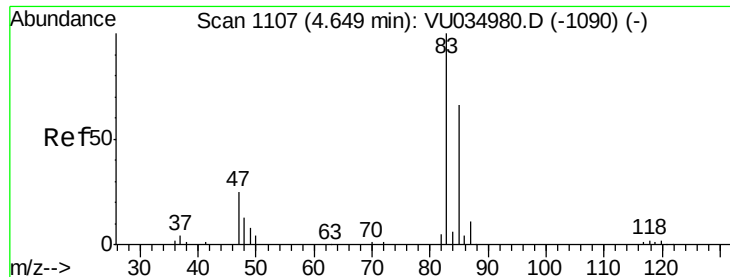
Bromochloromethane
Concen: 0.228 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 128 Resp: 1311
Ion Ratio Lower Upper
128 100
49 184.3 110.5 205.3
130 127.1 88.6 164.6
51 58.9 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): VU034985.D (-1069) (-)
Ion 49.10 (48.80 to 49.80): VU034985.D (-1069) (-)
Ion 129.95 (129.65 to 130.65): VU034985.D (-1069) (-)
Ion 51.05 (50.75 to 51.75): VU034985.D (-1069) (-)

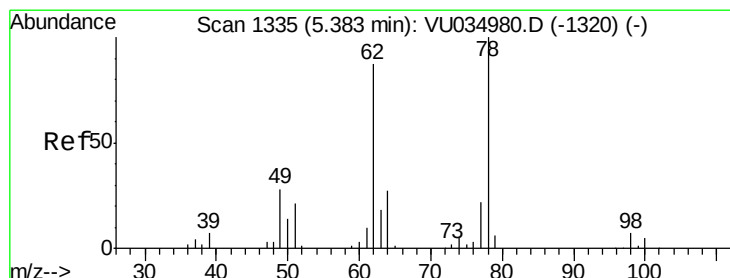
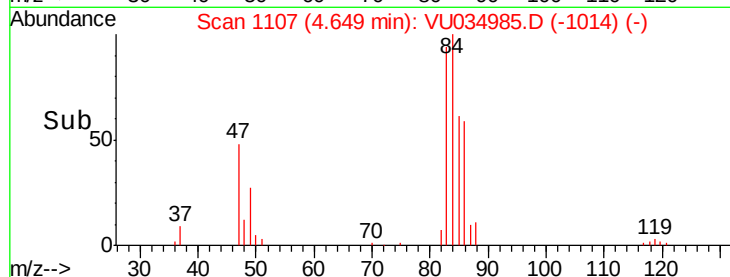
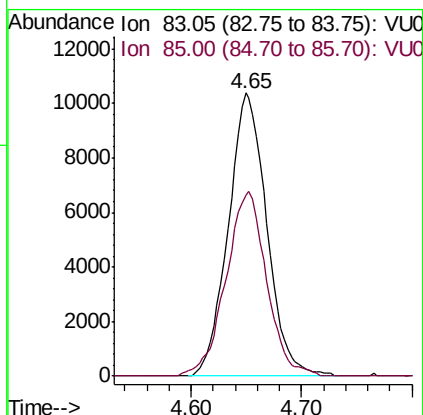
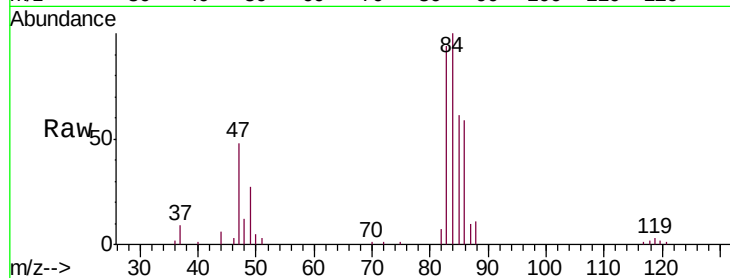




#25
Chloroform
Concen: 0.915 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

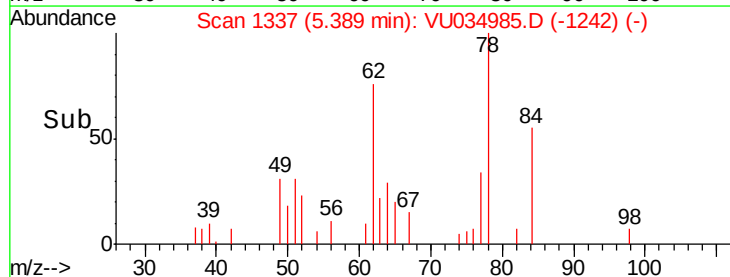
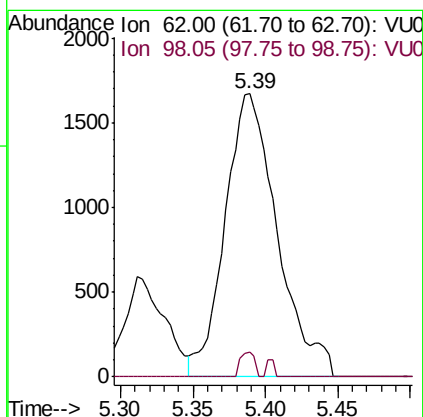
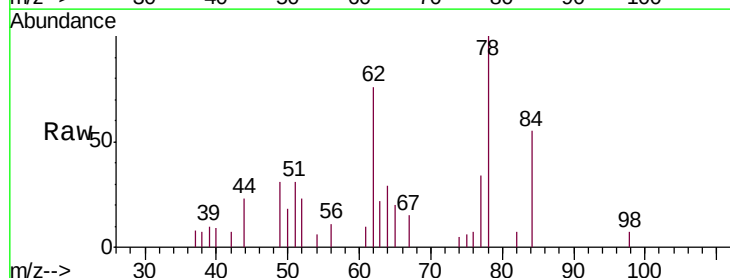
Instrument :
MSVOA_U
ClientSampleId :
MDL03

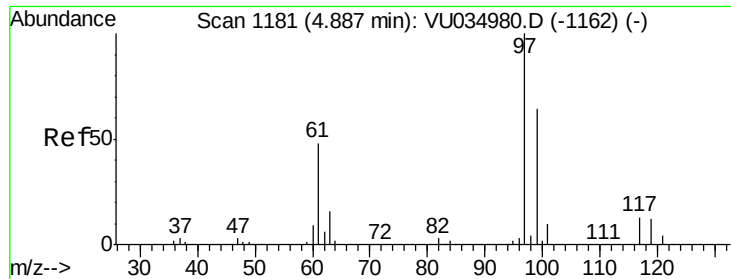
Tgt Ion: 83 Resp: 25138
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.261 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 62 Resp: 4183
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

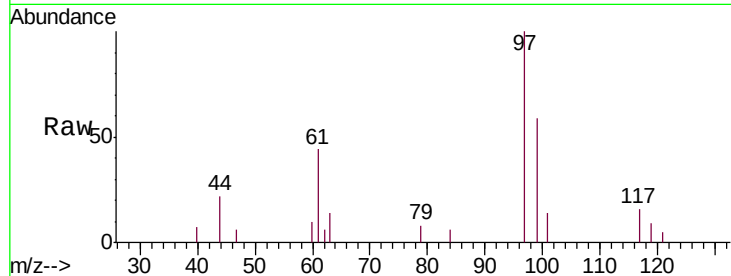




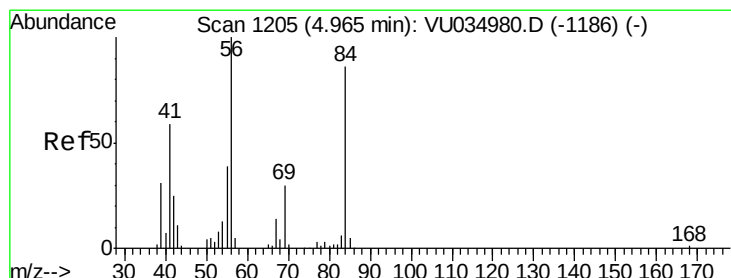
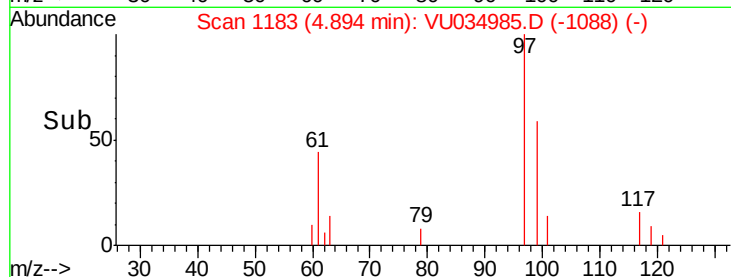
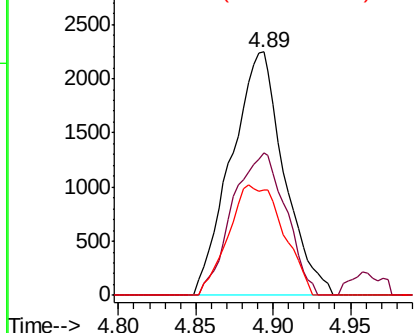
#29
 1,1,1-Trichloroethane
 Concen: 0.268 ug/L
 RT: 4.89 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 97 Resp: 5360
 Ion Ratio Lower Upper
 97 100
 99 59.0 51.6 77.4
 61 46.7 36.2 54.4

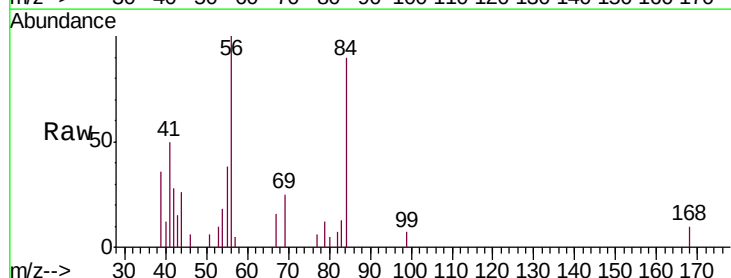


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

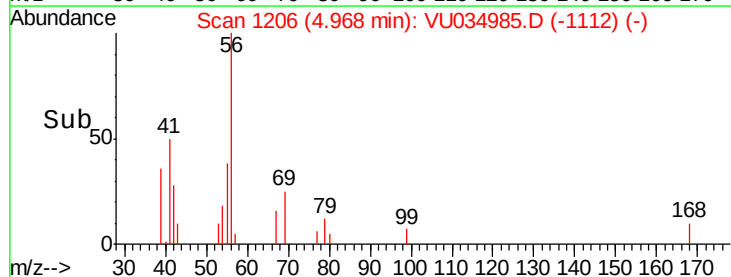
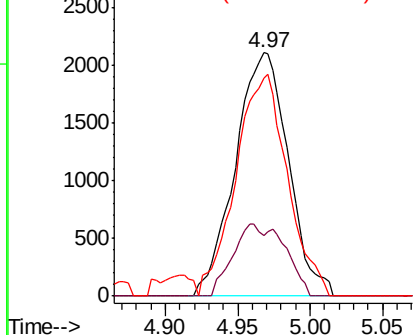


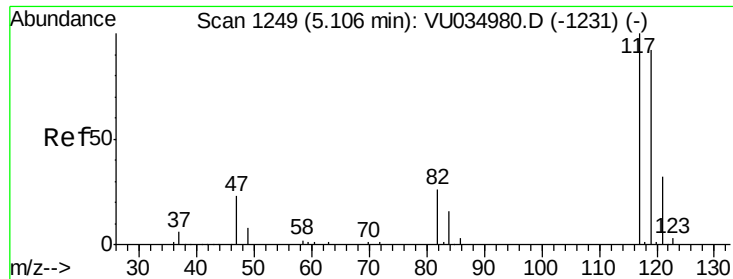
#30
 Cyclohexane
 Concen: 0.243 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 56 Resp: 5354
 Ion Ratio Lower Upper
 56 100
 69 16.8 23.9 35.9#
 84 88.8 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

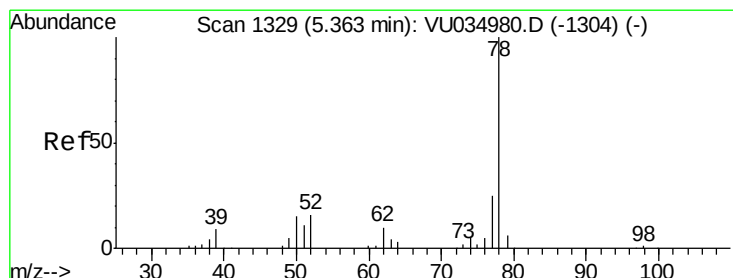
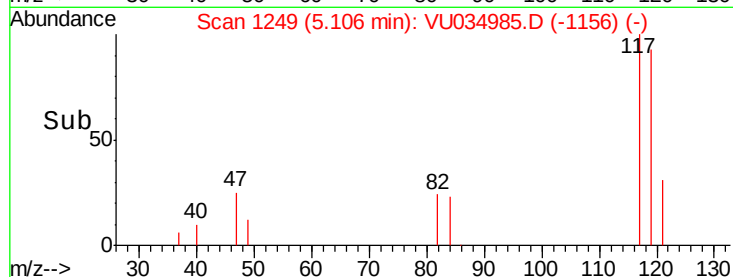
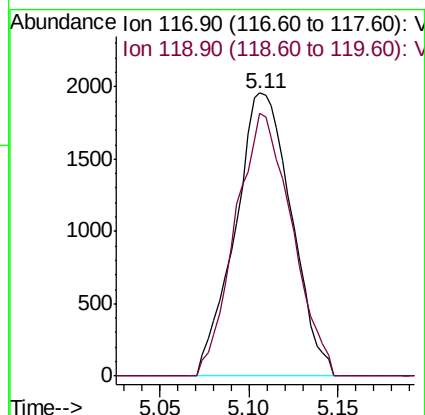
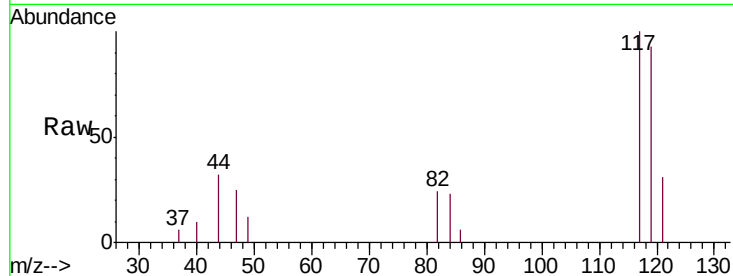




#31
Carbon tetrachloride
Concen: 0.248 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

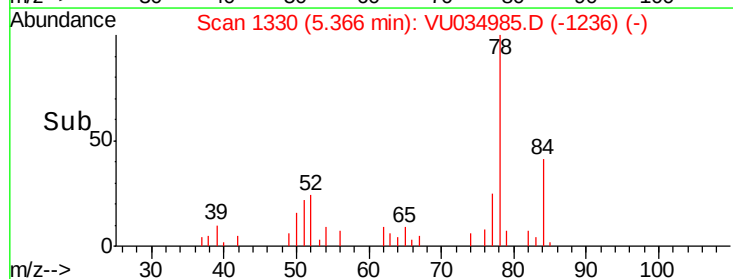
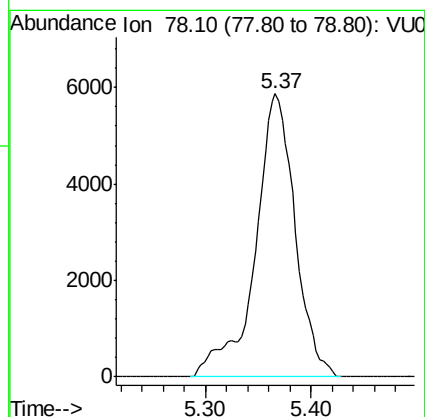
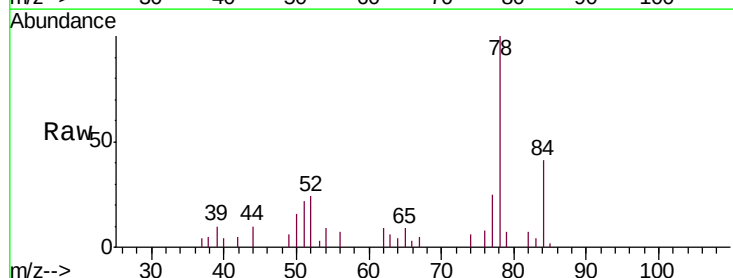
Instrument :
MSVOA_U
ClientSampleId :
MDL03

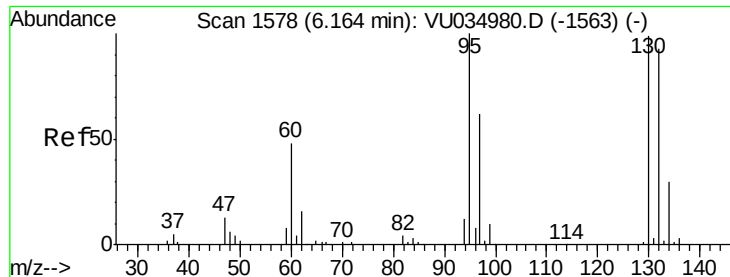
Tgt Ion: 117 Resp: 4308
Ion Ratio Lower Upper
117 100
119 93.1 77.5 116.3



#33
Benzene
Concen: 0.288 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 78 Resp: 15453





#34

Trichloroethene

Concen: 0.271 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tgt Ion: 95 Resp: 3749

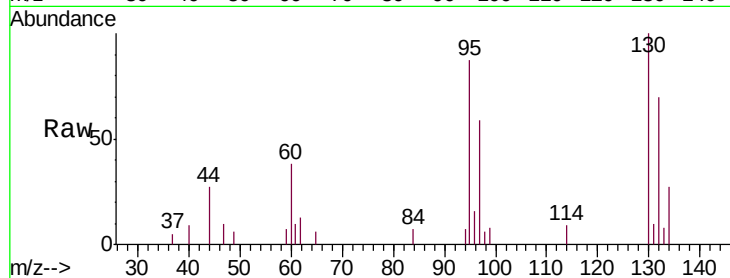
Ion Ratio Lower Upper

95 100

97 68.1 44.5 82.7

132 80.6 66.6 123.8

130 115.3 68.9 127.9



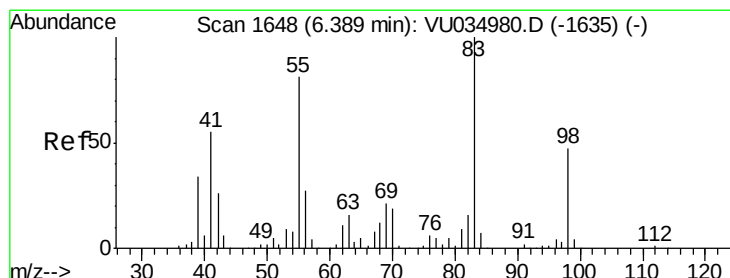
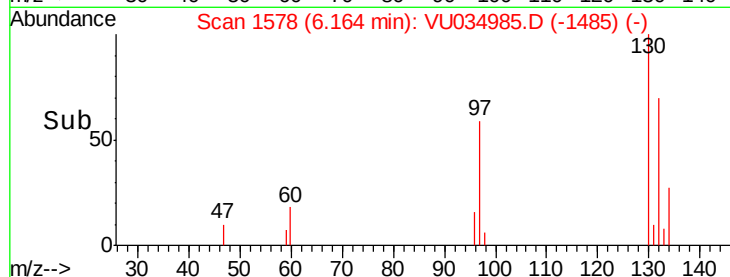
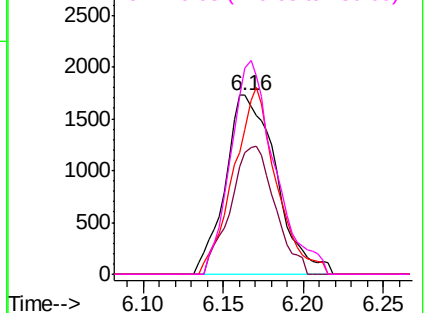
Abundance

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: 0.250 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

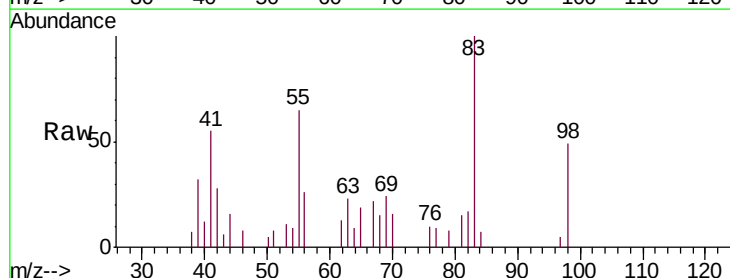
Tgt Ion: 83 Resp: 5608

Ion Ratio Lower Upper

83 100

55 74.7 62.6 94.0

98 40.6 36.2 54.2

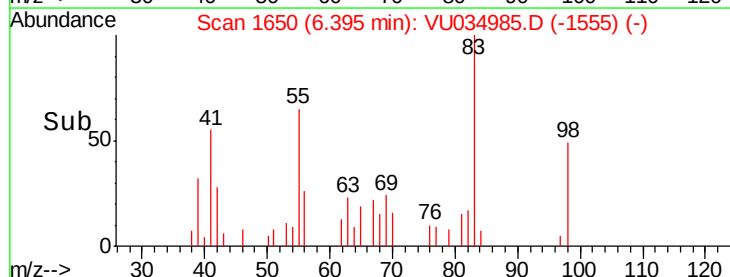
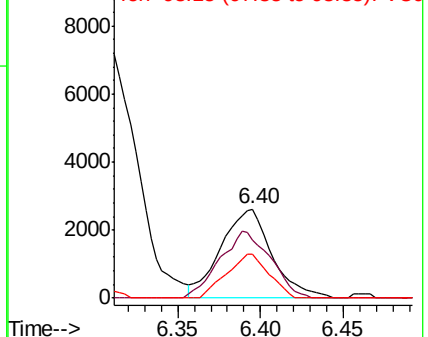


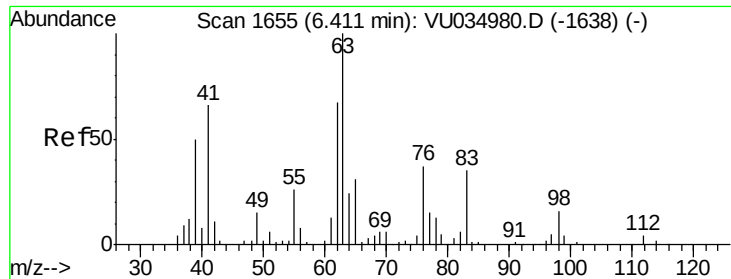
Abundance

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

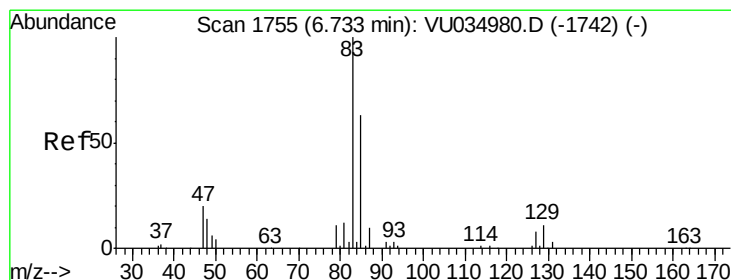
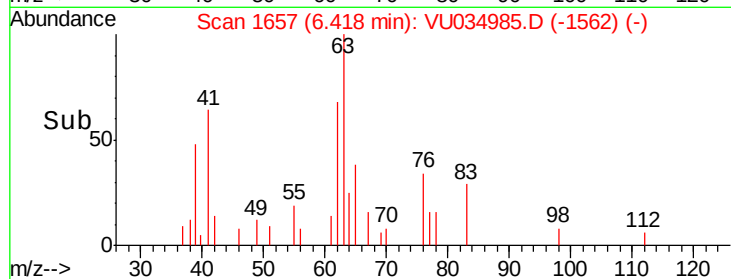
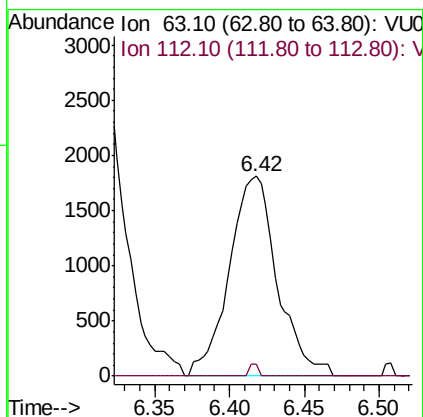
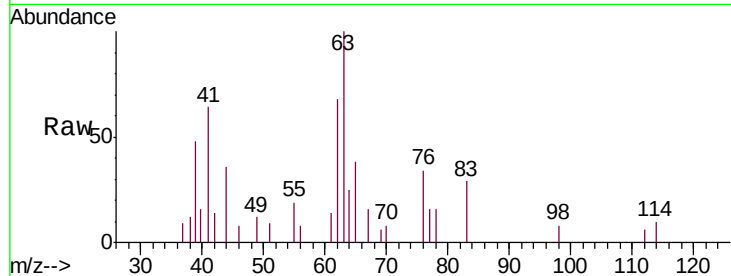




#37
 1,2-Dichloropropane
 Concen: 0.280 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

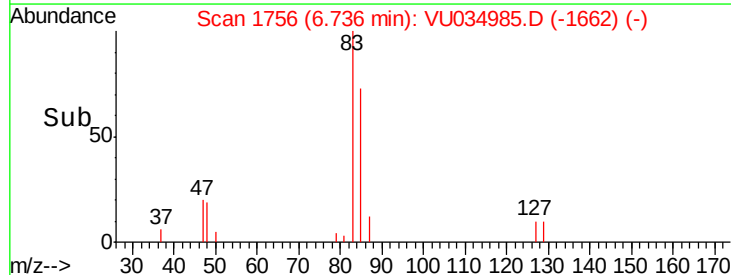
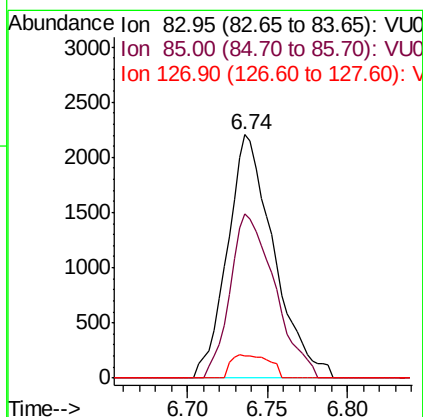
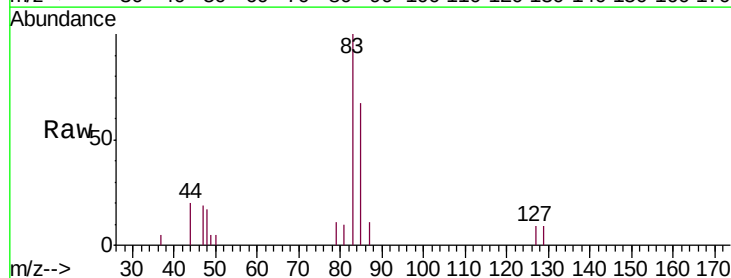
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

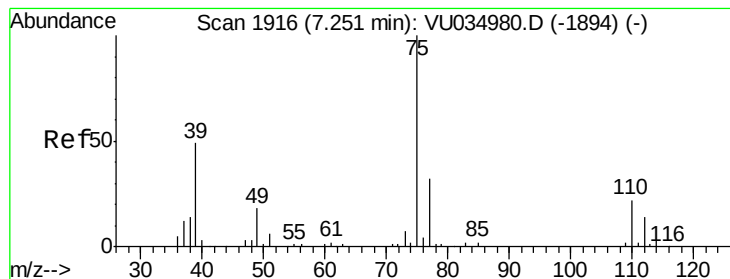
Tgt Ion: 63 Resp: 4049
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.257 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 83 Resp: 4361
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.0 81.8
 127 9.3 7.0 10.4



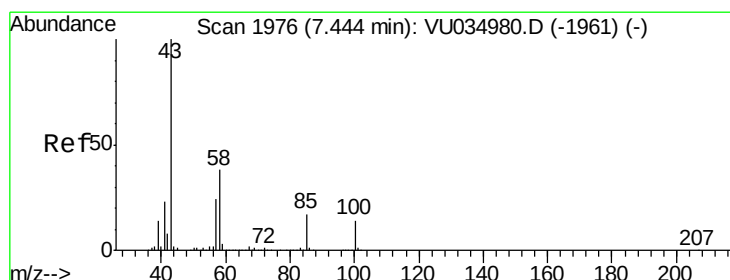
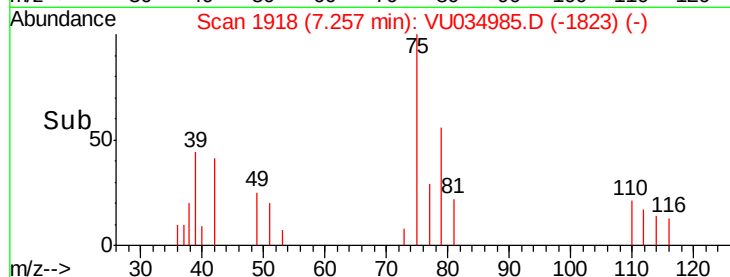
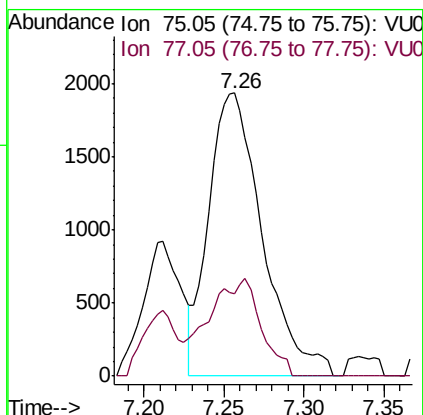
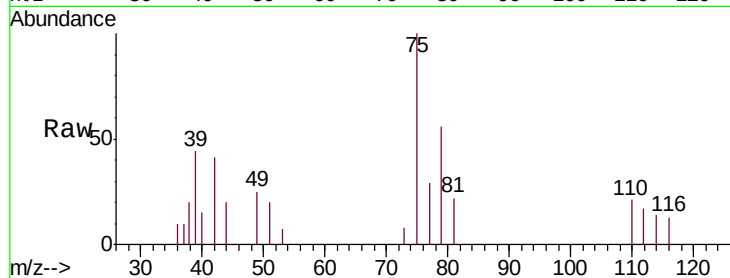


#39

cis-1,3-Dichloropropene
Concen: 0.228 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

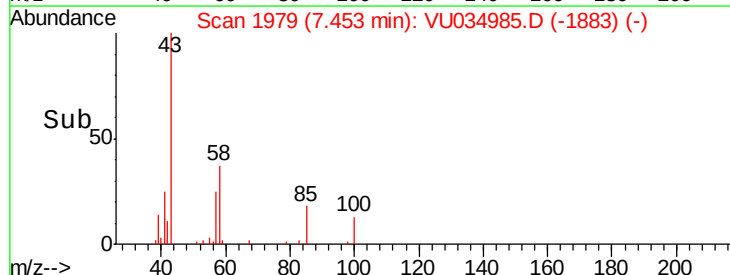
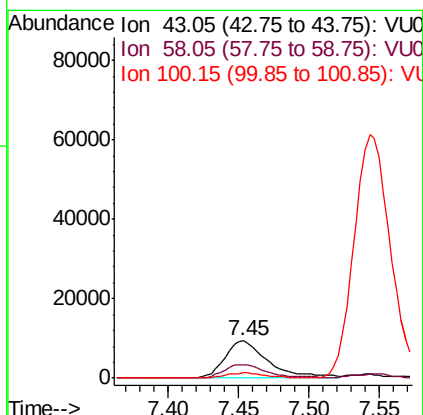
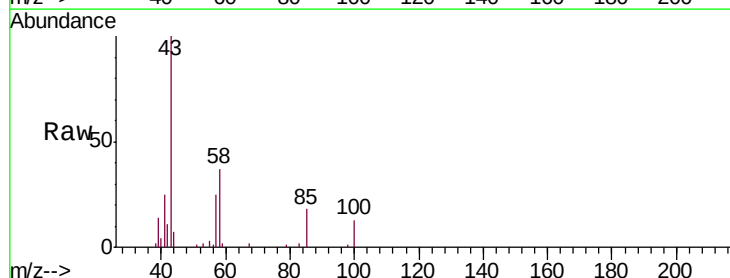
Tgt Ion: 75 Resp: 4474
Ion Ratio Lower Upper
75 100
77 29.1 22.1 41.1

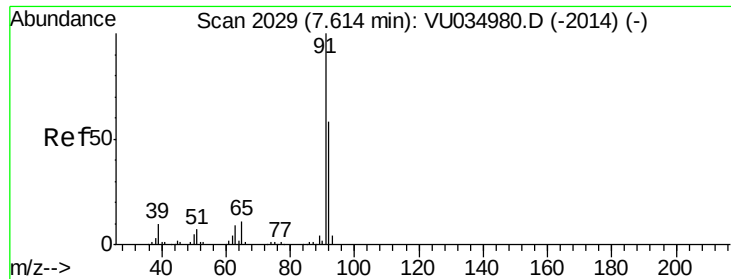


#40

4-Methyl-2-pentanone
Concen: 2.208 ug/L
RT: 7.45 min Scan# 1979
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 43 Resp: 20123
Ion Ratio Lower Upper
43 100
58 35.4 32.4 48.6
100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.259 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

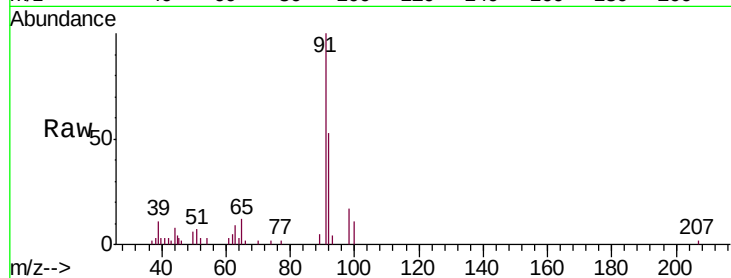
MDL03

Tgt Ion: 91 Resp: 14494

Ion Ratio Lower Upper

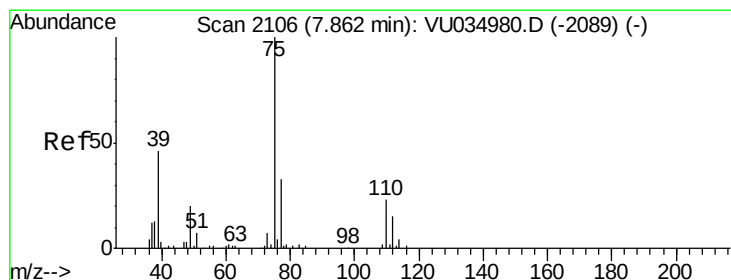
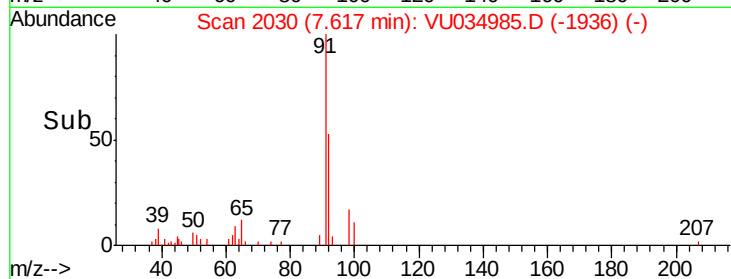
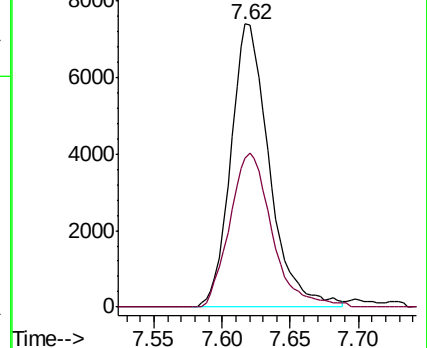
91 100

92 52.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU034985.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU034985.D (-1936) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.229 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034985.D

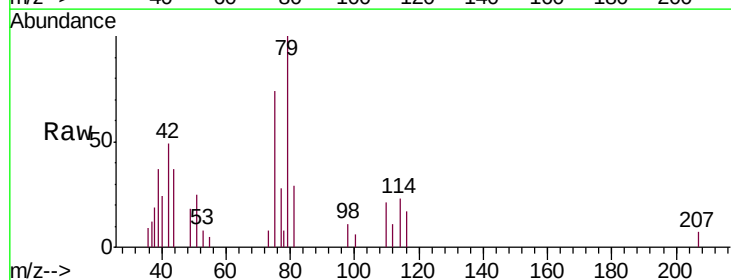
Acq: 08 Oct 2019 11:51

Tgt Ion: 75 Resp: 3479

Ion Ratio Lower Upper

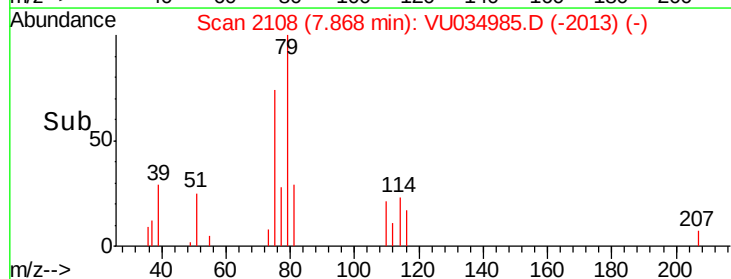
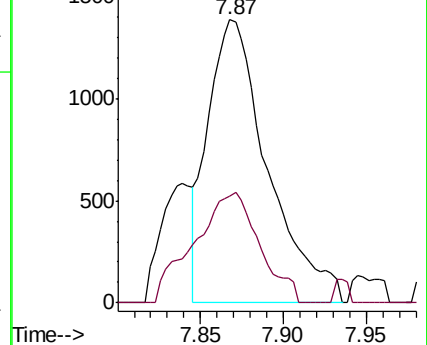
75 100

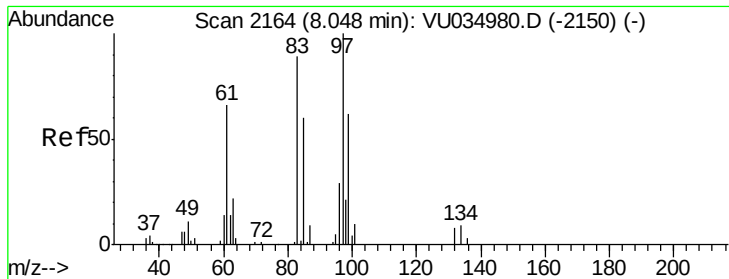
77 37.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034985.D (-2013) (-)

Ion 77.05 (76.75 to 77.75): VU034985.D (-2013) (-)

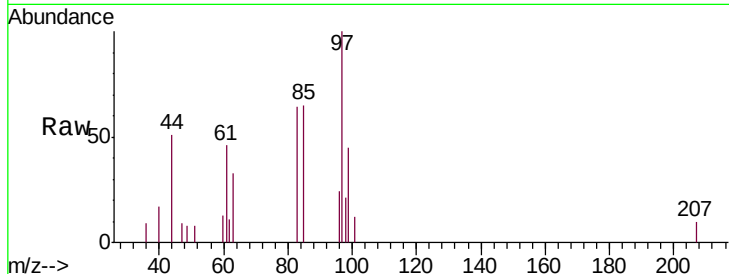




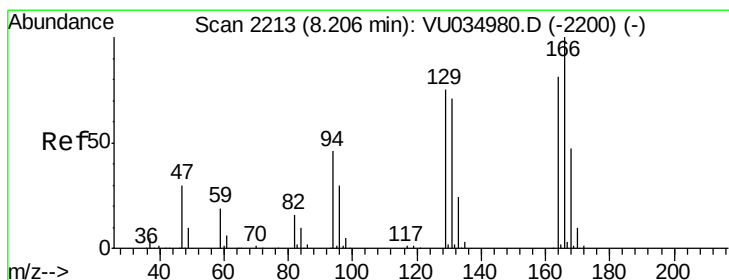
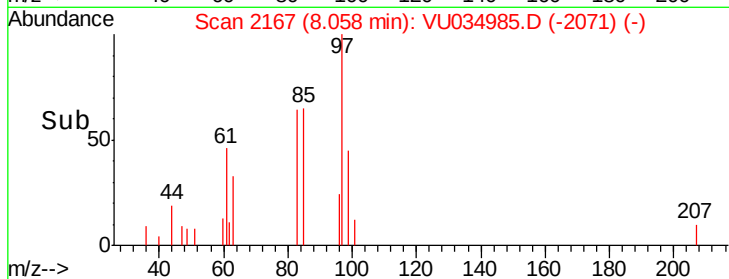
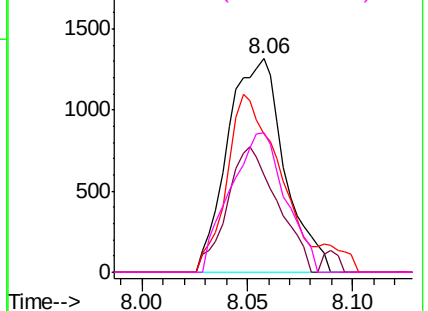
#45
 1,1,2-Trichloroethane
 Concen: 0.256 ug/L
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tgt Ion: 97 Resp: 2460
 Ion Ratio Lower Upper
 97 100
 99 45.3 42.3 78.5
 83 64.5 58.0 107.6
 85 65.2 37.8 70.2

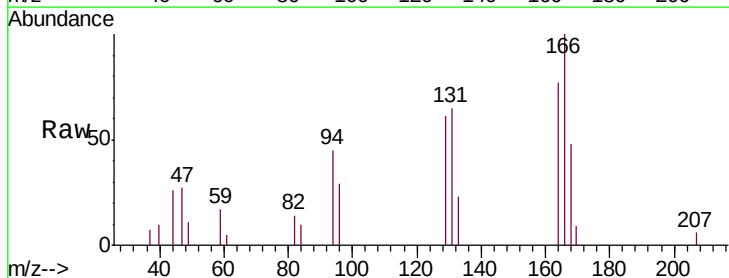


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

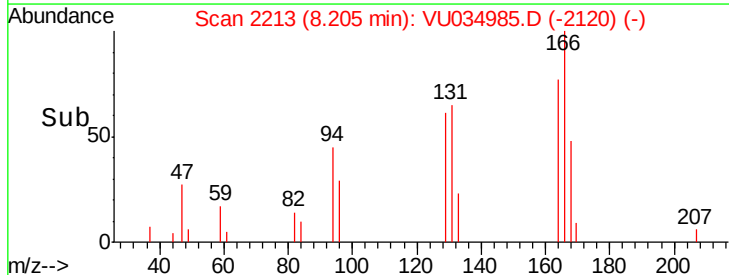
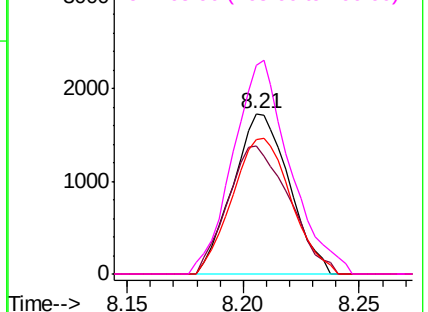


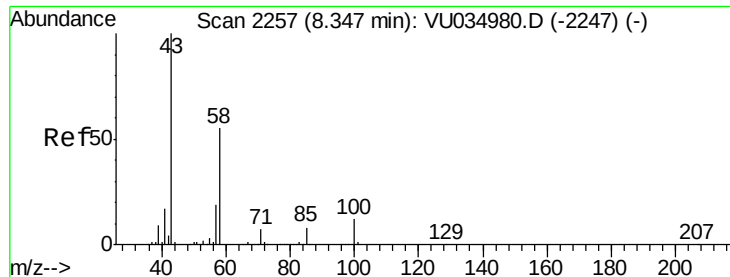
#47
 Tetrachloroethene
 Concen: 0.260 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 164 Resp: 2914
 Ion Ratio Lower Upper
 164 100
 129 79.7 68.5 127.1
 131 84.1 67.3 124.9
 166 129.9 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

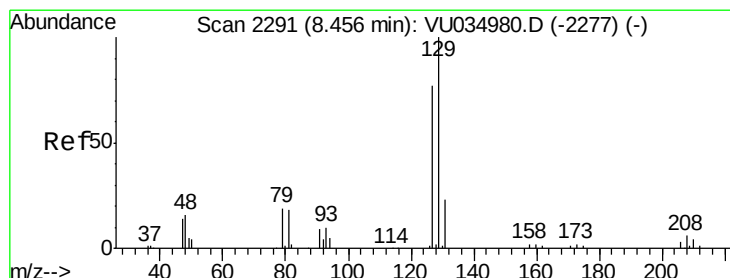
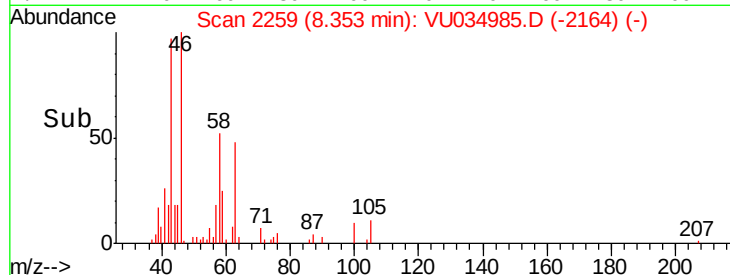
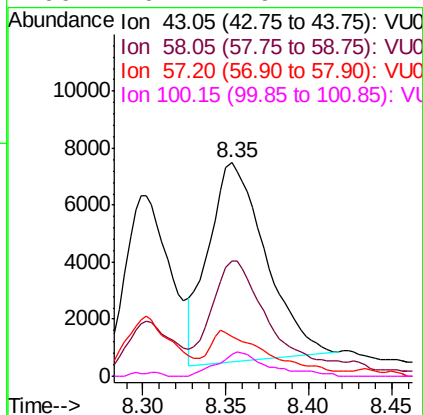
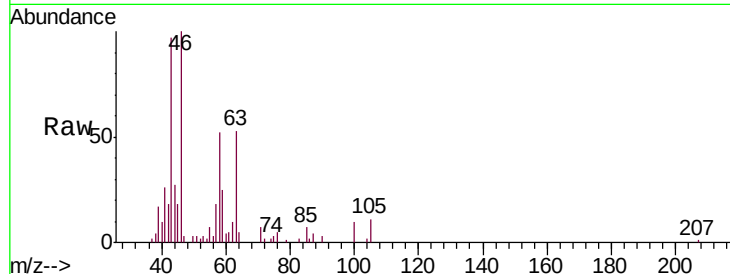




#48
2-Hexanone
Concen: 2.677 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

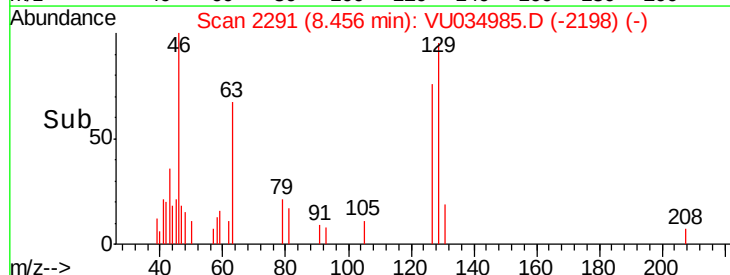
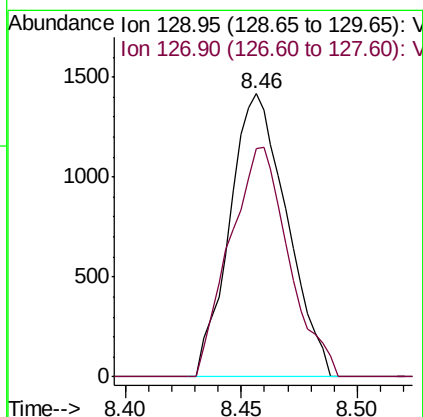
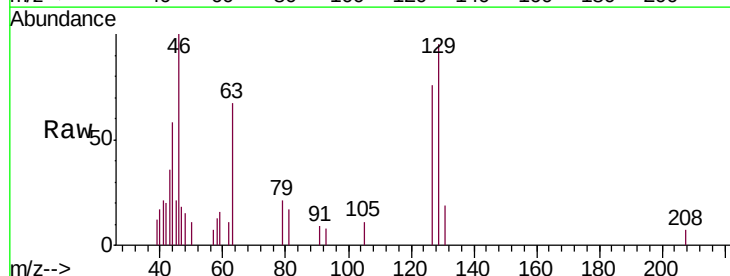
Instrument :
MSVOA_U
ClientSampleId :
MDL03

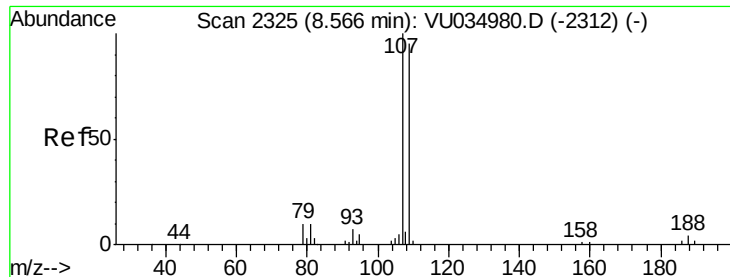
Tgt Ion: 43 Resp: 16723
Ion Ratio Lower Upper
43 100
58 50.2 44.1 66.1
57 23.4 15.8 23.8
100 10.1 9.4 14.2



#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 129 Resp: 2418
Ion Ratio Lower Upper
129 100
127 80.5 51.9 96.5





#50

1,2-Dibromoethane

Concen: 0.239 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

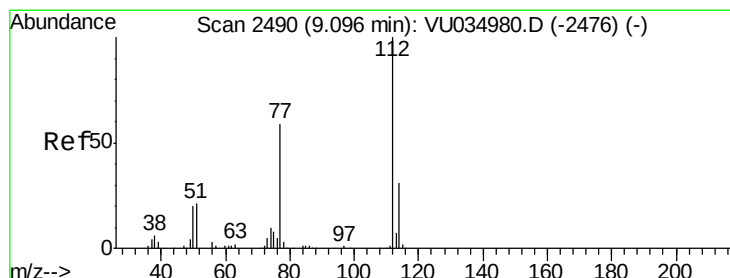
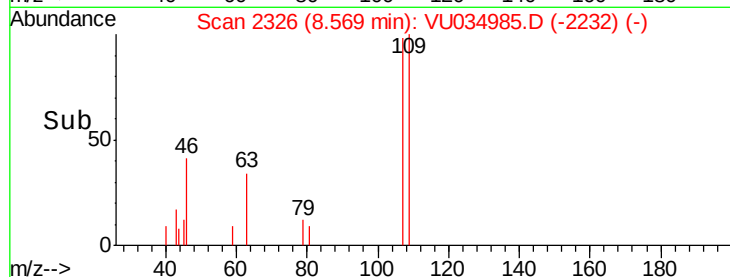
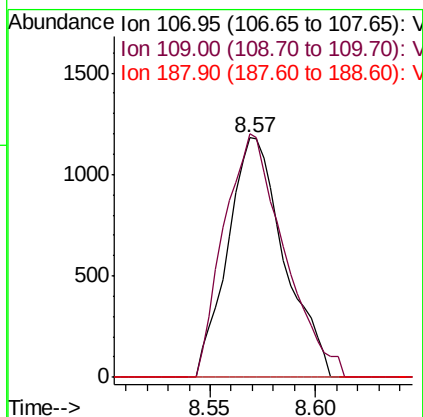
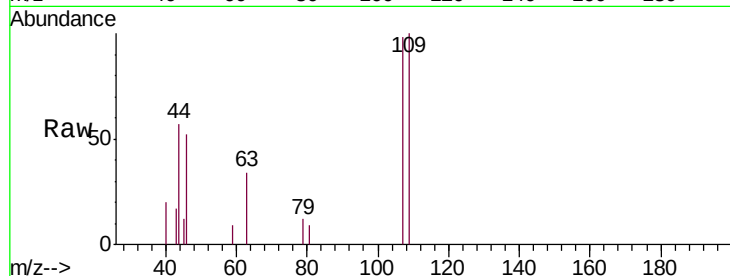
MSVOA_U

ClientSampleId :

MDL03

Tgt Ion:107 Resp: 2195

Ion	Ratio	Lower	Upper
107	100		
109	101.7	64.8	120.4
188	0.0	3.0	4.6#



#51

Chlorobenzene

Concen: 0.246 ug/L

RT: 9.10 min Scan# 2492

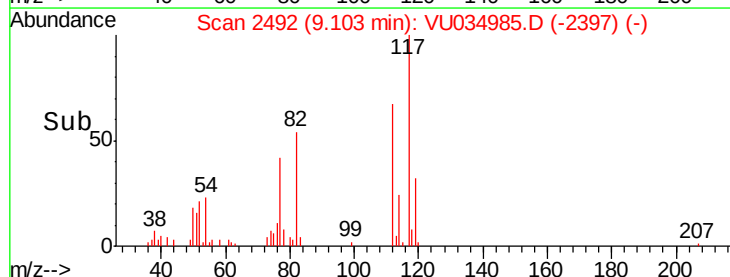
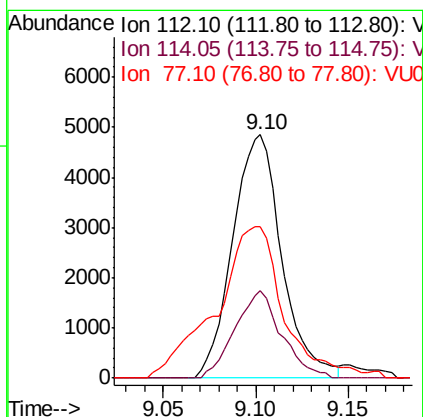
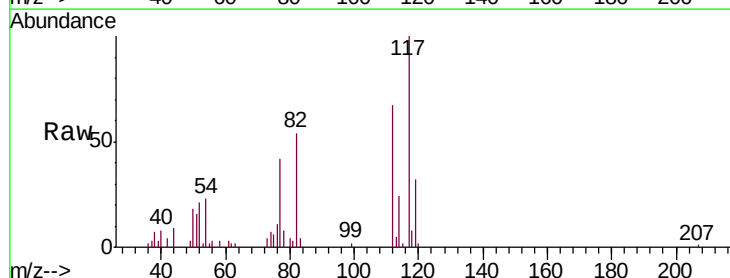
Delta R.T. 0.01 min

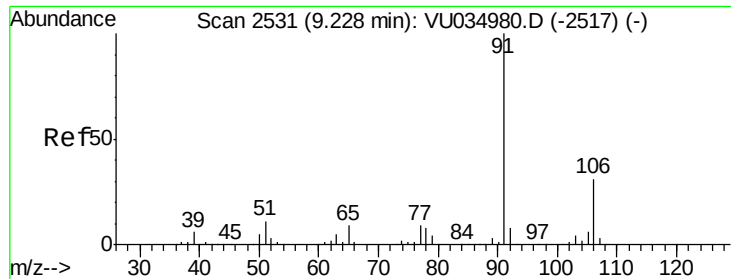
Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:112 Resp: 8947

Ion	Ratio	Lower	Upper
112	100		
114	36.1	22.1	41.1
77	62.2	46.9	70.3





#52

Ethylbenzene

Concen: 0.245 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

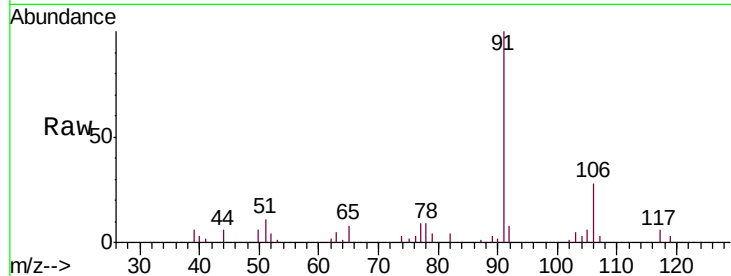
MDL03

Tgt Ion: 91 Resp: 15140

Ion Ratio Lower Upper

91 100

106 28.3 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VU034980.D (-2517) (-)

Ion 106.15 (105.85 to 106.85): VU034980.D (-2517) (-)

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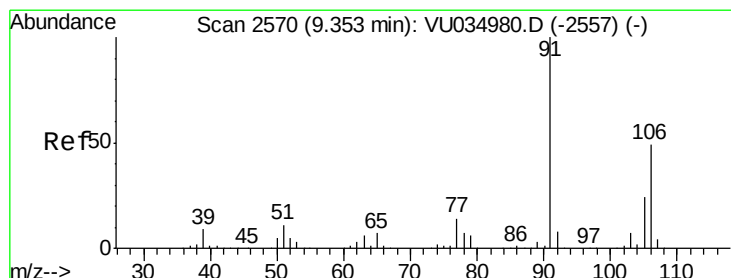
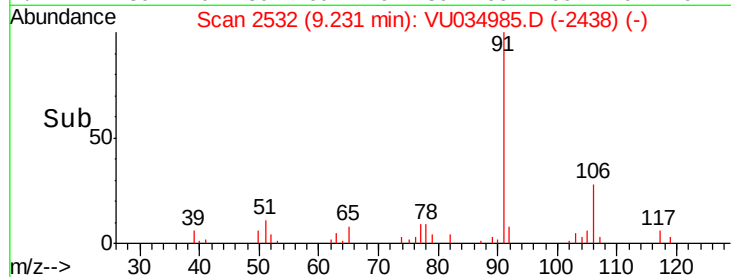
9.23

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9.23



#53

m,p-Xylene

Concen: 0.227 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034985.D

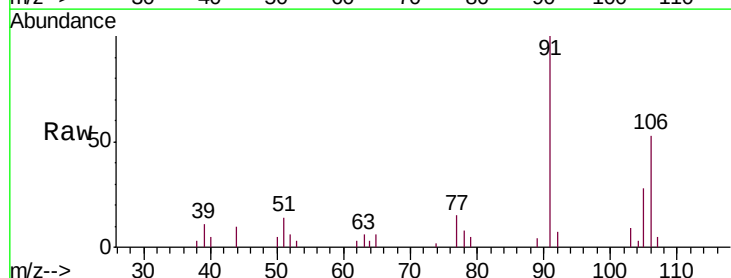
Acq: 08 Oct 2019 11:51

Tgt Ion: 106 Resp: 5179

Ion Ratio Lower Upper

106 100

91 187.5 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU034980.D (-2557) (-)

Ion 91.15 (90.85 to 91.85): VU034980.D (-2557) (-)

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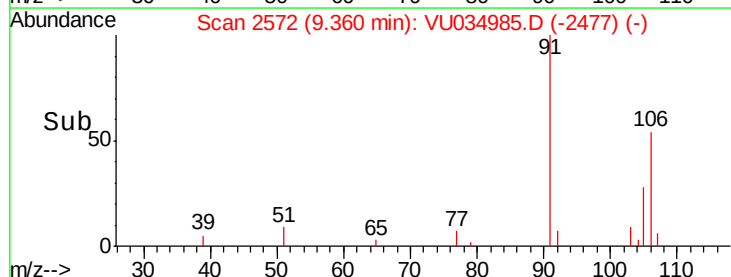
9.36

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Abundance Ion 106.15 (105.85 to 106.85): VU034985.D (-2477) (-)

Ion 91.15 (90.85 to 91.85): VU034985.D (-2477) (-)

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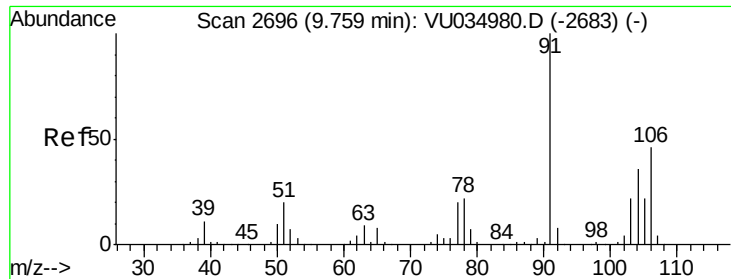
9.36

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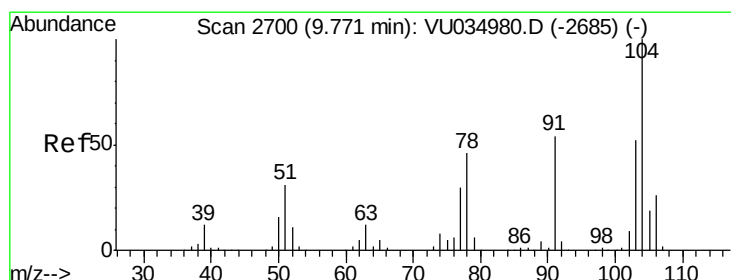
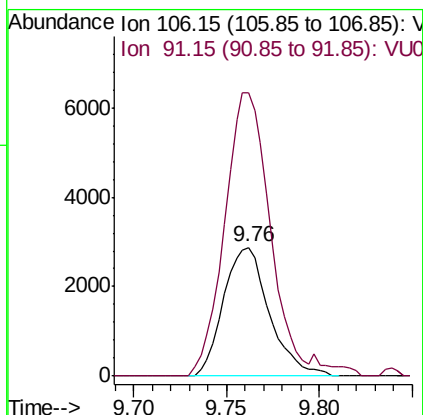
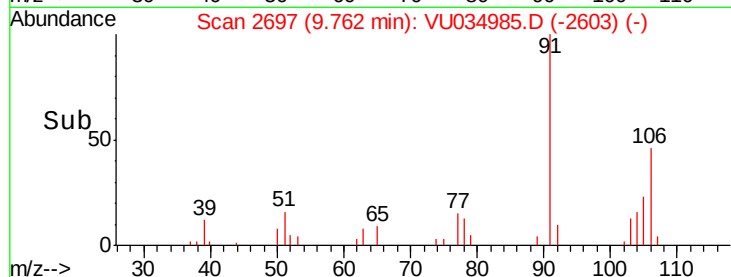
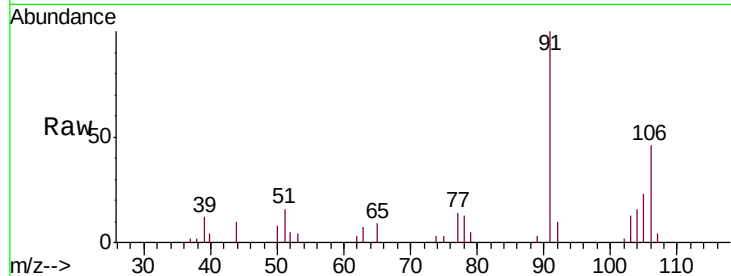
9.36



#54
o-Xylene
Concen: 0.221 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

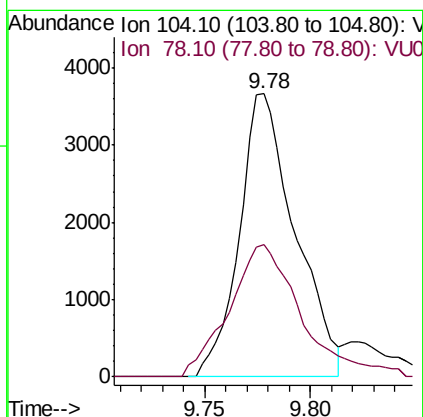
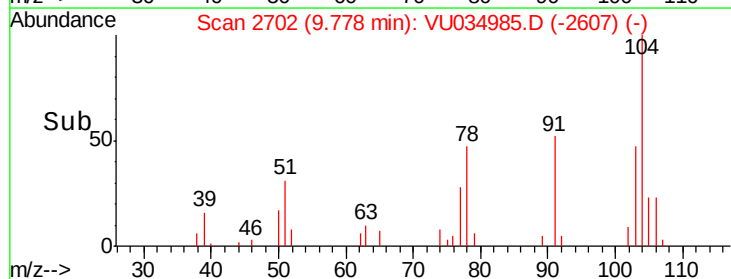
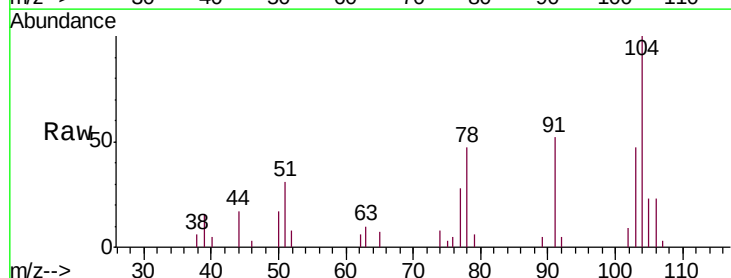
Instrument :
MSVOA_U
ClientSampleId :
MDL03

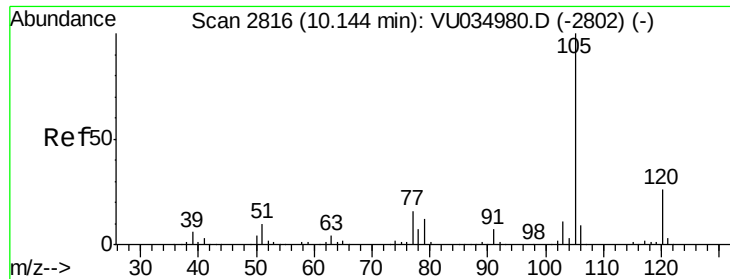
Tgt Ion:106 Resp: 4944
Ion Ratio Lower Upper
106 100
91 219.7 148.5 275.7



#55
Styrene
Concen: 0.187 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion:104 Resp: 6757
Ion Ratio Lower Upper
104 100
78 46.9 32.8 60.8





#56

Isopropylbenzene

Concen: 0.211 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

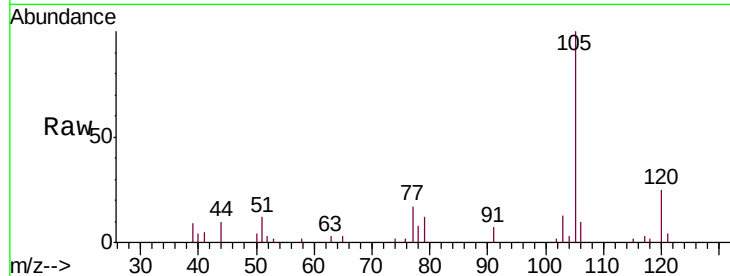
Tgt Ion: 105 Resp: 12557

Ion Ratio Lower Upper

105 100

120 23.3 21.3 31.9

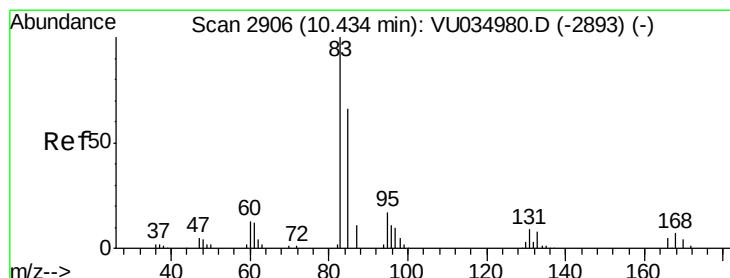
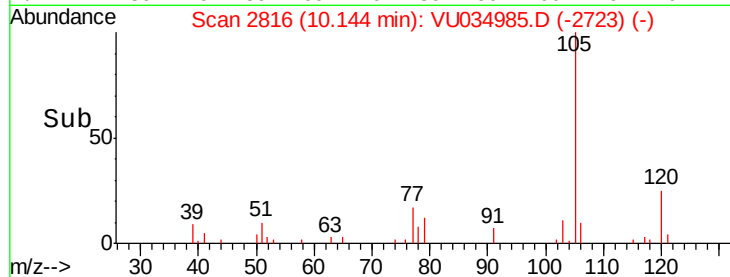
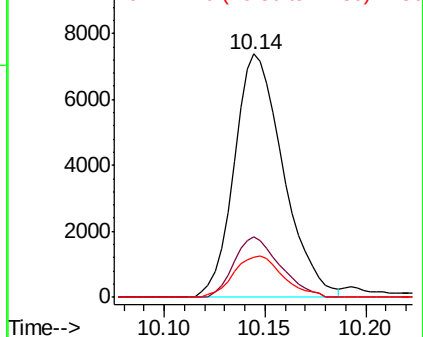
77 17.0 13.0 19.4



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.245 ug/L

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

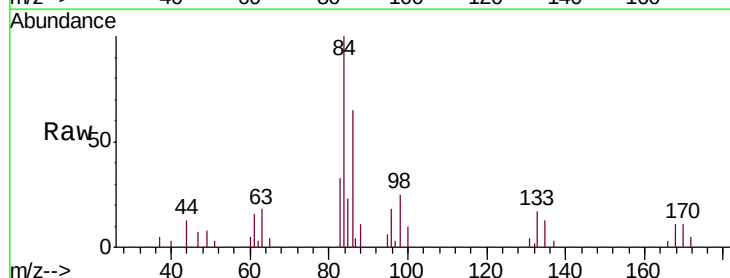
Tgt Ion: 83 Resp: 3204

Ion Ratio Lower Upper

83 100

85 68.8 44.6 82.8

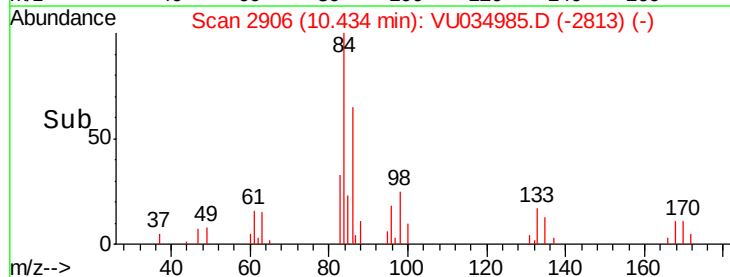
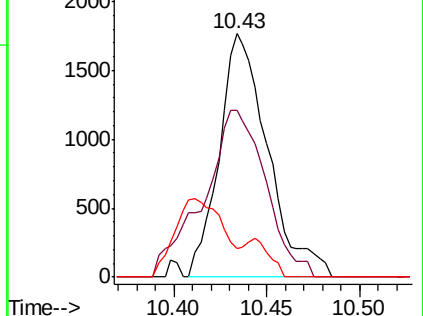
131 11.9 7.4 11.2#

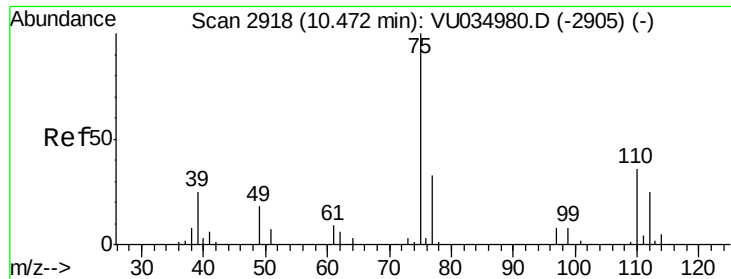


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

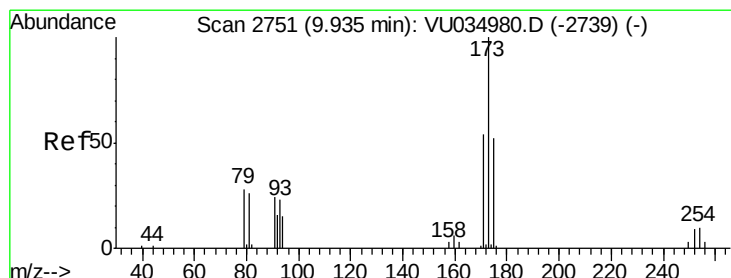
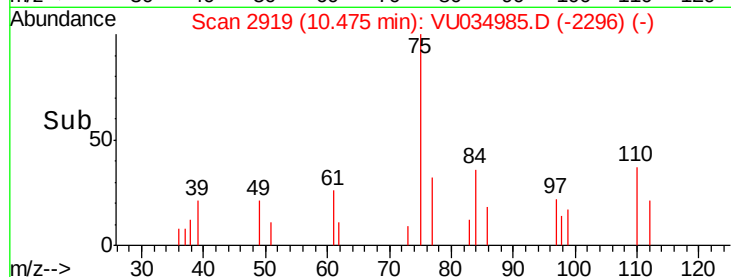
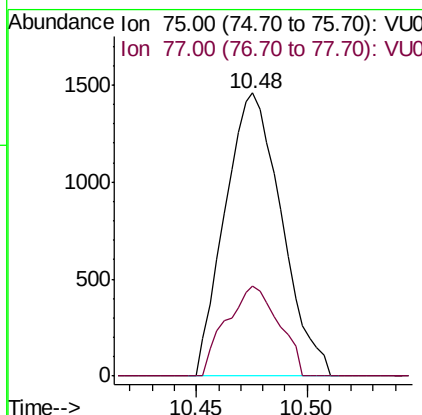
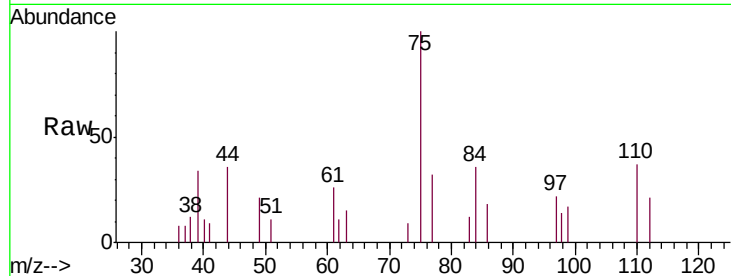




#59
 1,2,3-Trichloropropane
 Concen: 0.276 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

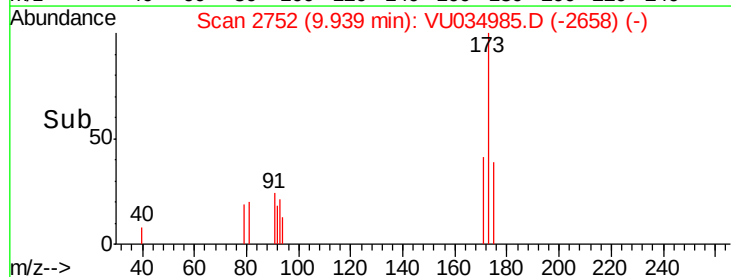
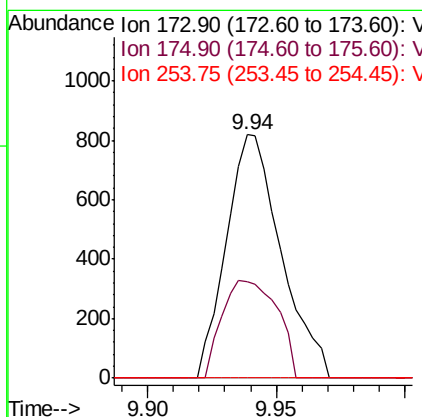
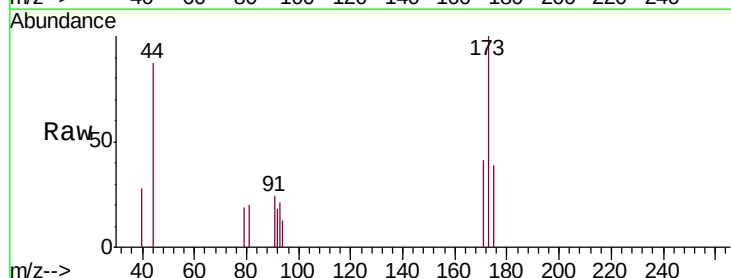
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

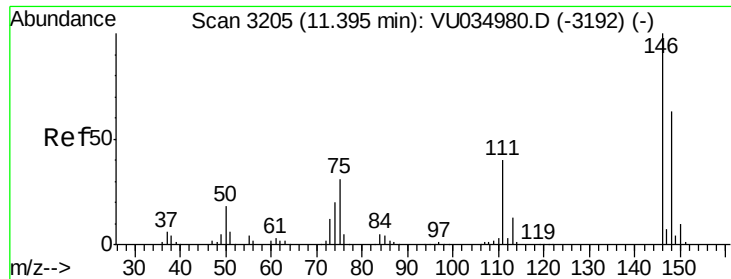
Tgt Ion: 75 Resp: 2583
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.5 39.7



#61
 Bromoform
 Concen: 0.226 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 173 Resp: 1208
 Ion Ratio Lower Upper
 173 100
 175 40.1 37.2 55.8
 254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.269 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

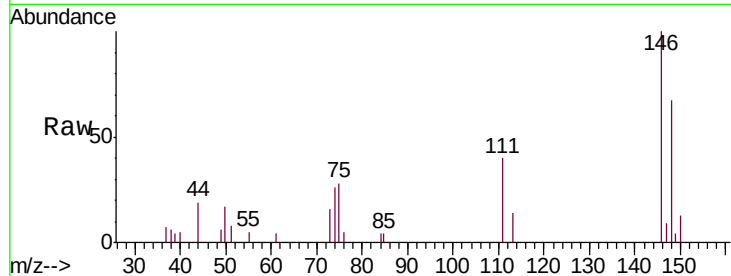
Tgt Ion:146 Resp: 6462

Ion Ratio Lower Upper

146 100

111 39.7 28.6 53.2

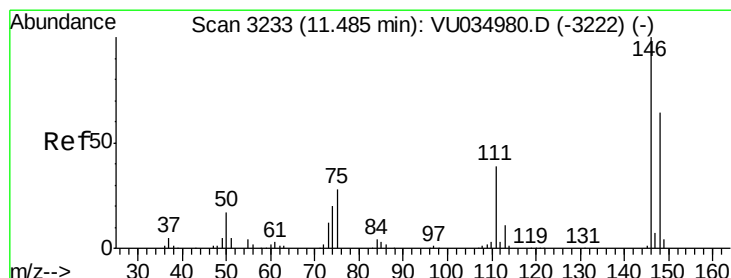
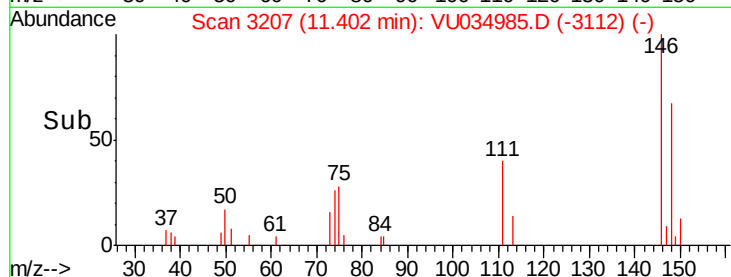
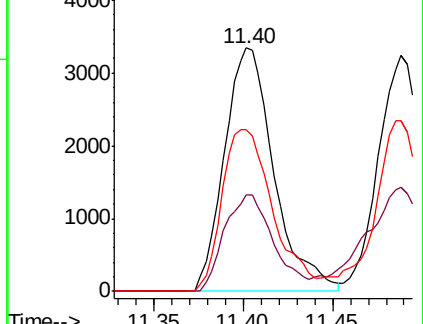
148 66.5 45.0 83.6



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: 0.266 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

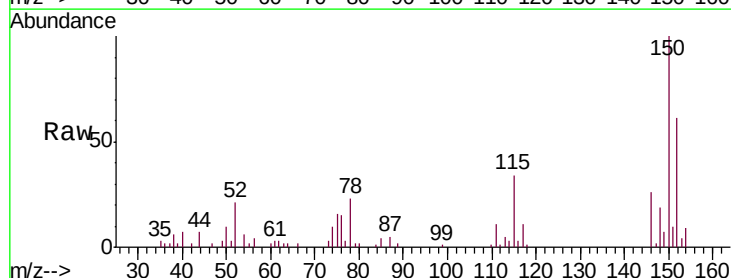
Tgt Ion:146 Resp: 6436

Ion Ratio Lower Upper

146 100

111 44.2 27.9 51.7

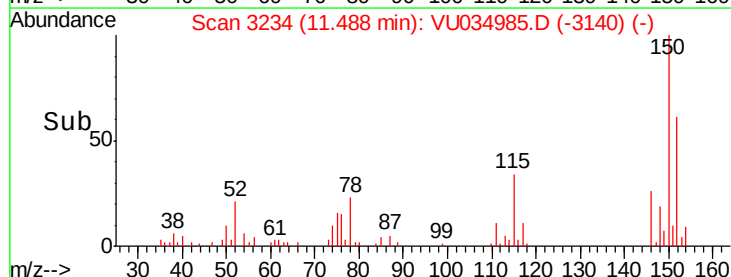
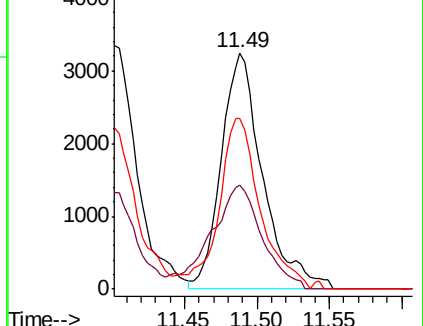
148 72.5 44.1 81.9

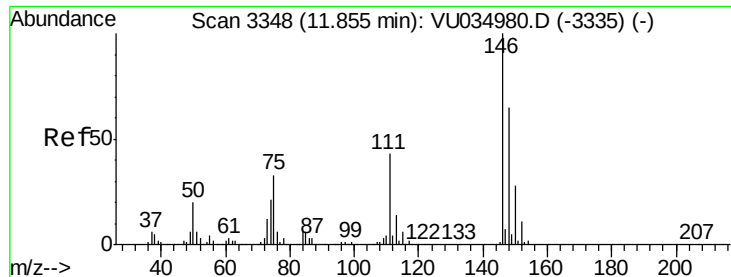


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.289 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

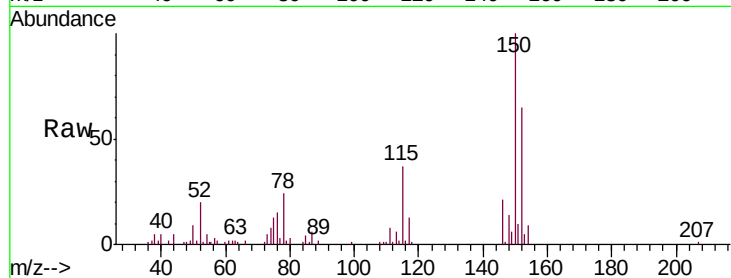
Tgt Ion:146 Resp: 6688

Ion Ratio Lower Upper

146 100

111 39.5 34.2 51.4

148 63.4 52.0 78.0

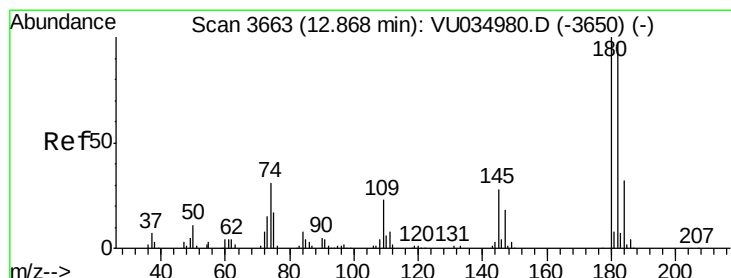
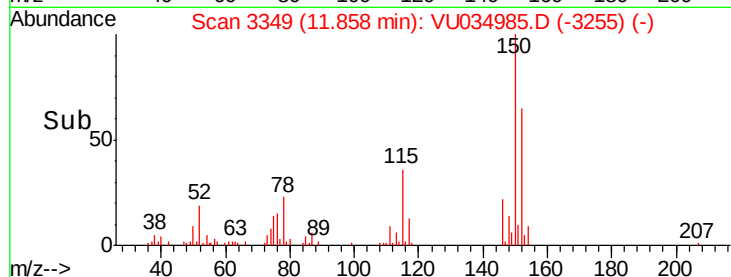
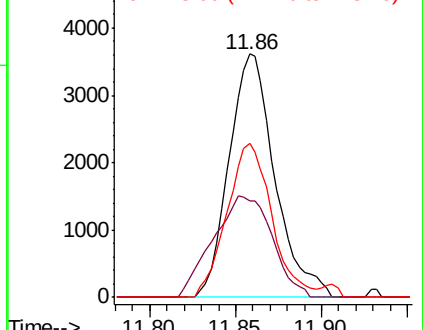


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 0.200 ug/L

RT: 12.87 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:180 Resp: 3252

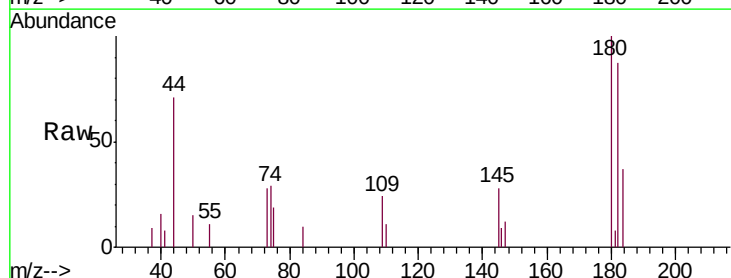
Ion Ratio Lower Upper

180 100

182 93.4 76.0 114.0

184 26.1 24.2 36.2

145 23.2 24.6 37.0#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

