

Data File : VU034983.D
Acq On : 08 Oct 2019 11:02
Operator : JC/SP
Sample : MDL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Quant Time: Oct 09 07:18:31 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	178790	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	178947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	75948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44959	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.67	69	44488	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.26	63	70629	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.18	46	151553	48.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.62	84	84392	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.29	65	55421	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.32	84	196080	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.31	67	66091	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.54	98	174405	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.84	79	20656	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.30	63	106999	44.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.12%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56288	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	65200	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	3966	0.243 ug/L	91
3) Chloromethane	1.32	50	4942	0.276 ug/L	99
5) Vinyl chloride	1.40	62	4577	0.260 ug/L #	76
6) Bromomethane	1.62	94	2623	0.268 ug/L	94
8) Chloroethane	1.69	64	2841	0.269 ug/L	93
9) Trichlorofluoromethane	1.88	101	5629	0.264 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3464	0.283 ug/L	88
12) 1,1-Dichloroethene	2.27	96	3675	0.320 ug/L #	1
13) Acetone	2.33	43	8324	3.266 ug/L	87
14) Carbon disulfide	2.46	76	9850	0.258 ug/L #	88
15) Methyl Acetate	2.61	43	1553	0.229 ug/L	95
16) Methylene chloride	2.68	84	6604	0.465 ug/L	91
17) Methyl tert-butyl Ether	2.99	73	8252	0.263 ug/L #	91
18) trans-1,2-Dichloroethene	2.96	96	3059	0.249 ug/L	94
19) 1,1-Dichloroethane	3.42	63	6375	0.261 ug/L	94
21) 2-Butanone	4.29	43	7287	2.007 ug/L	96
22) cis-1,2-Dichloroethene	4.21	96	3232	0.236 ug/L	89

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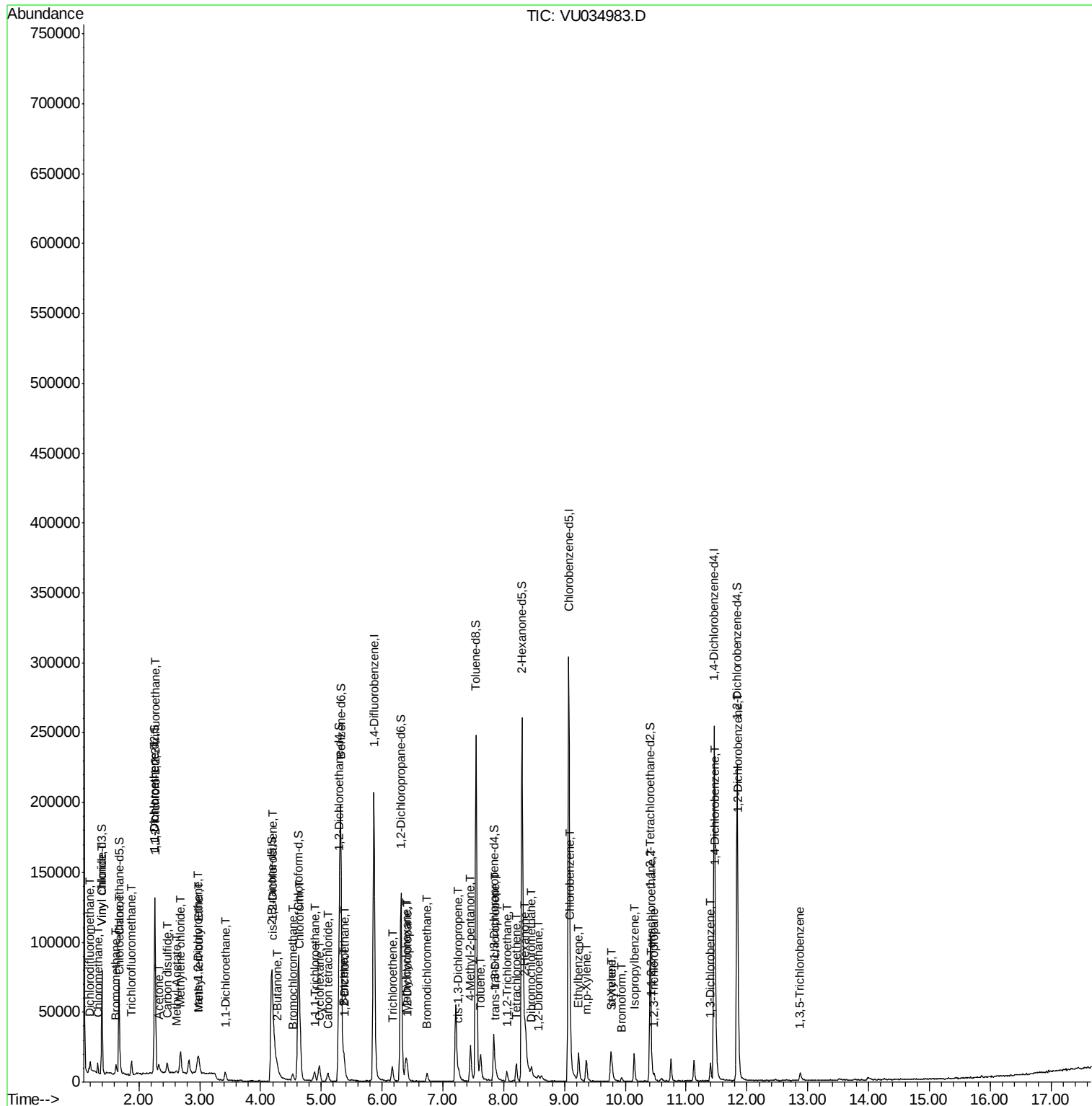
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.53	128	1559	0.271	ug/L	79
25) Chloroform	4.65	83	25314	0.922	ug/L	92
27) 1,2-Dichloroethane	5.39	62	4213	0.263	ug/L #	88
29) 1,1,1-Trichloroethane	4.89	97	5339	0.266	ug/L	95
30) Cyclohexane	4.96	56	5135	0.232	ug/L	96
31) Carbon tetrachloride	5.11	117	4091	0.235	ug/L	95
33) Benzene	5.37	78	12933	0.240	ug/L	100
34) Trichloroethene	6.17	95	3508	0.252	ug/L	95
35) Methylcyclohexane	6.39	83	5317	0.236	ug/L	92
37) 1,2-Dichloropropane	6.42	63	3981	0.274	ug/L #	88
38) Bromodichloromethane	6.74	83	4356	0.256	ug/L #	94
39) cis-1,3-Dichloropropene	7.26	75	4095	0.208	ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	19487	2.129	ug/L #	86
42) Toluene	7.62	91	13860	0.246	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	2779	0.182	ug/L	85
45) 1,1,2-Trichloroethane	8.05	97	2534	0.262	ug/L	97
47) Tetrachloroethene	8.21	164	2942	0.261	ug/L	90
48) 2-Hexanone	8.35	43	16703	2.662	ug/L	94
49) Dibromochloromethane	8.46	129	2676	0.240	ug/L	91
50) 1,2-Dibromoethane	8.58	107	2167	0.235	ug/L #	85
51) Chlorobenzene	9.10	112	9448	0.259	ug/L	98
52) Ethylbenzene	9.23	91	14434	0.232	ug/L	94
53) m,p-Xylene	9.36	106	5106	0.222	ug/L	91
54) o-Xylene	9.76	106	4929	0.220	ug/L	89
55) Styrene	9.78	104	7162	0.197	ug/L	84
56) Isopropylbenzene	10.14	105	13011	0.218	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	3500	0.267	ug/L #	80
59) 1,2,3-Trichloropropane	10.48	75	2197	0.233	ug/L	92
61) Bromoform	9.94	173	1244	0.239	ug/L #	89
62) 1,3-Dichlorobenzene	11.40	146	6165	0.264	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	6729	0.285	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6472	0.287	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	2741	0.173	ug/L	89

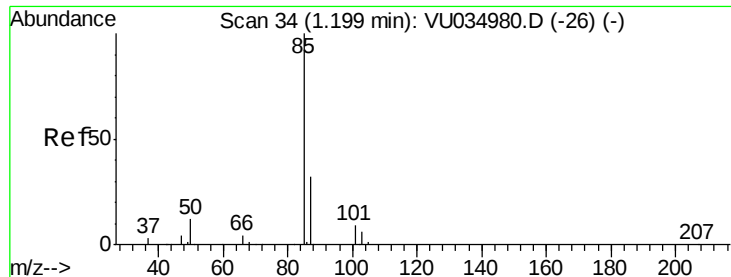
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.243 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

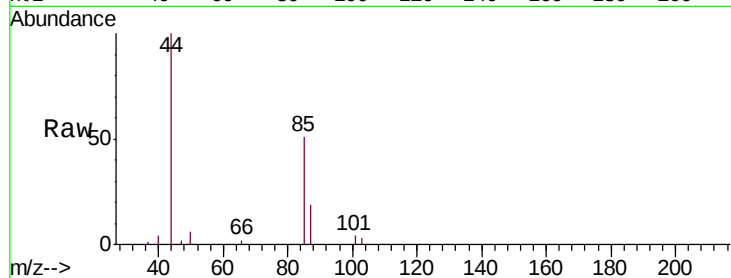
MDL01

Tgt Ion: 85 Resp: 3966

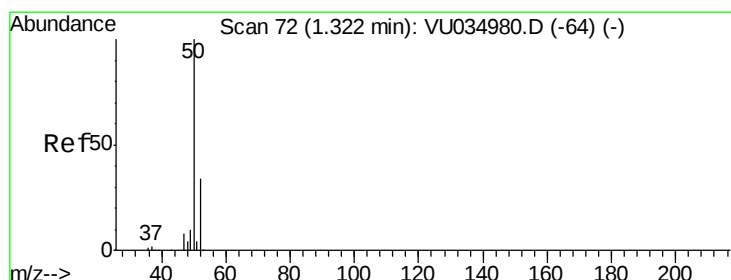
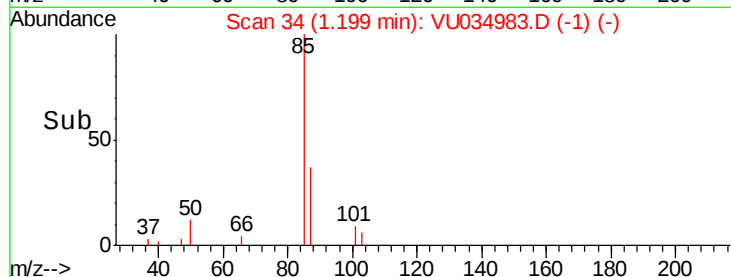
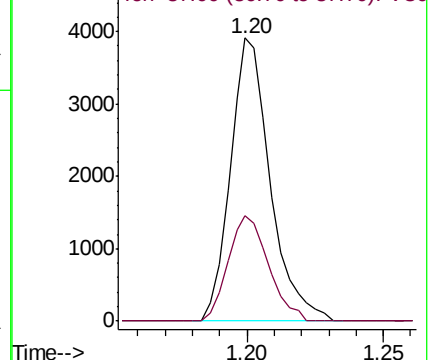
Ion Ratio Lower Upper

85 100

87 37.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU034983.D (-1) (-)



#3

Chloromethane

Concen: 0.276 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034983.D

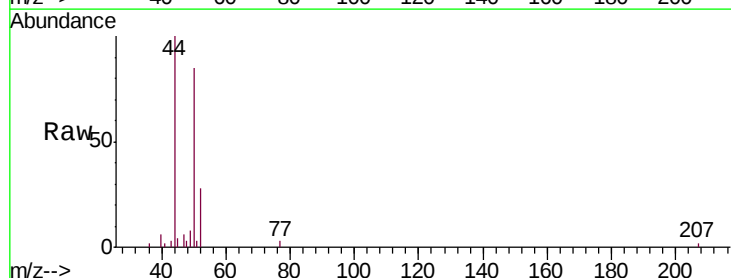
Acq: 08 Oct 2019 11:02

Tgt Ion: 50 Resp: 4942

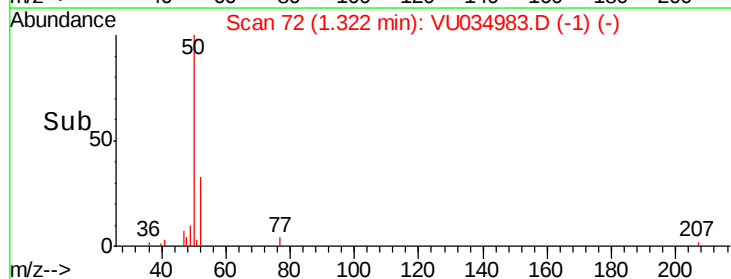
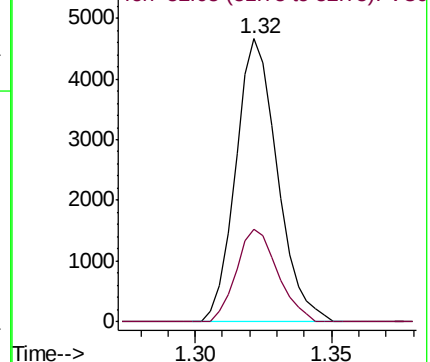
Ion Ratio Lower Upper

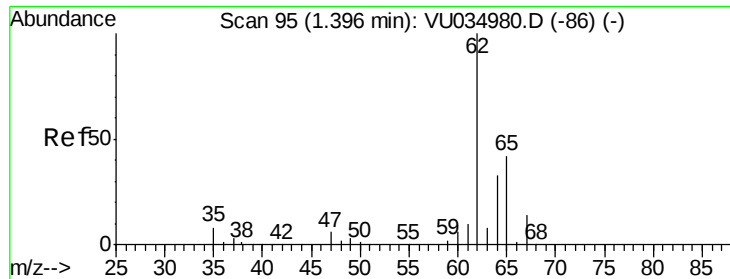
50 100

52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU034983.D (-1) (-)





#5

Vinyl chloride

Concen: 0.260 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

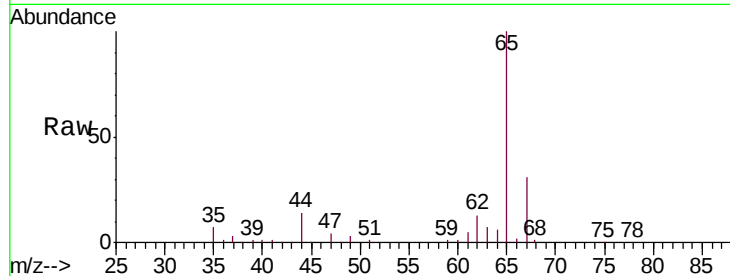
MDL01

Tgt Ion: 62 Resp: 4577

Ion Ratio Lower Upper

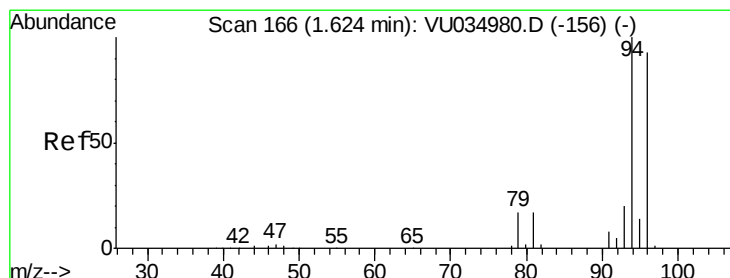
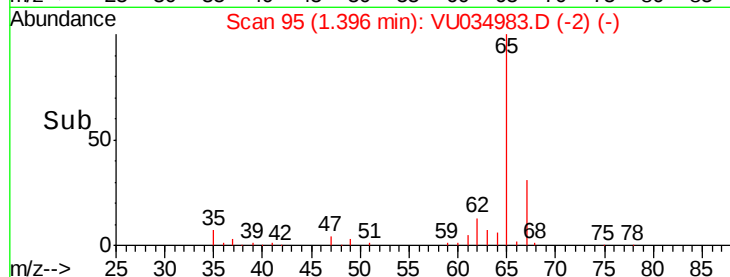
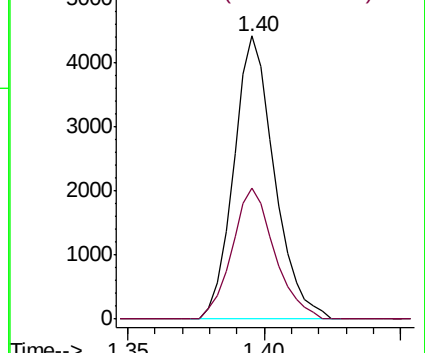
62 100

64 46.1 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: 0.268 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034983.D

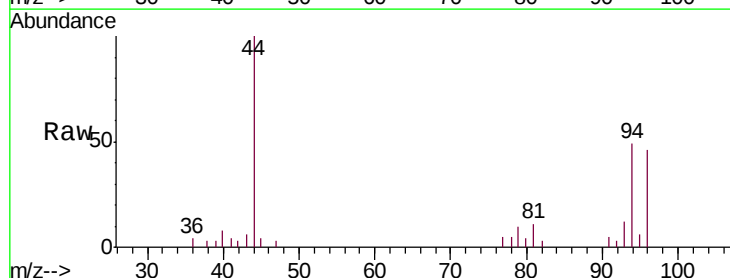
Acq: 08 Oct 2019 11:02

Tgt Ion: 94 Resp: 2623

Ion Ratio Lower Upper

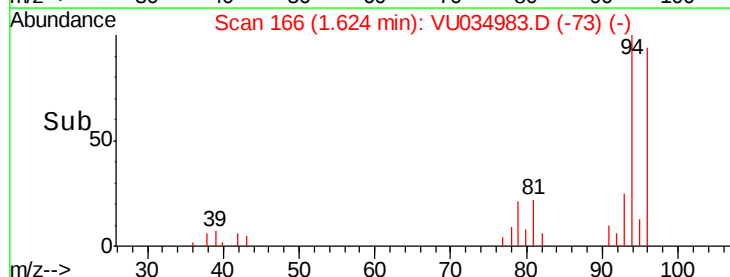
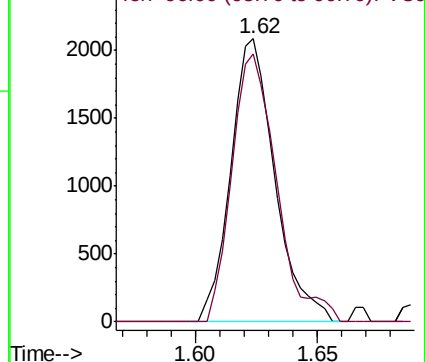
94 100

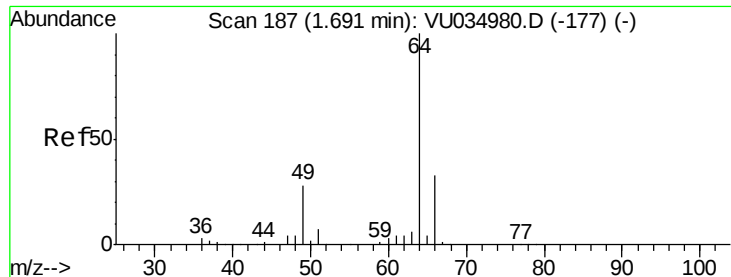
96 94.5 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.269 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

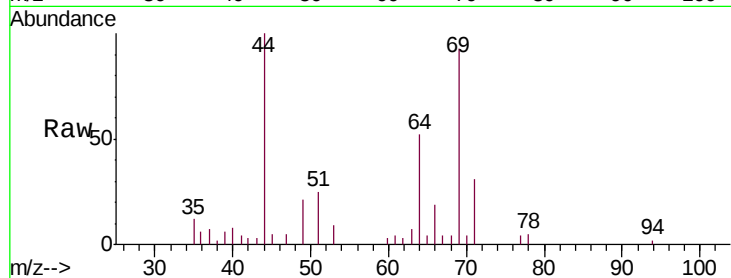
MDL01

Tgt Ion: 64 Resp: 2841

Ion Ratio Lower Upper

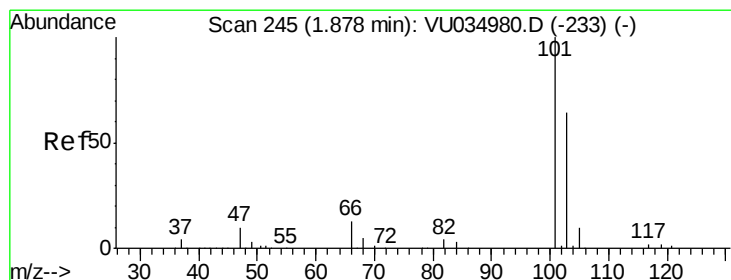
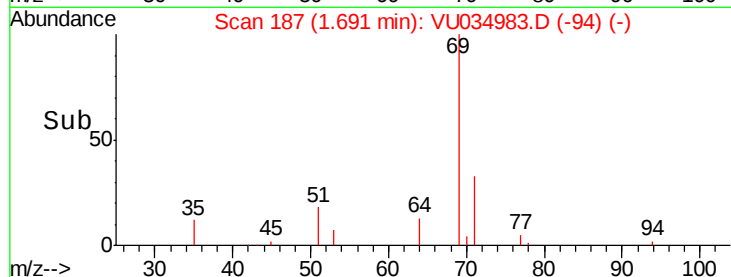
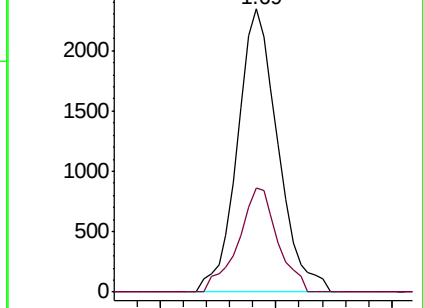
64 100

66 37.0 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU034983.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU034983.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 0.264 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034983.D

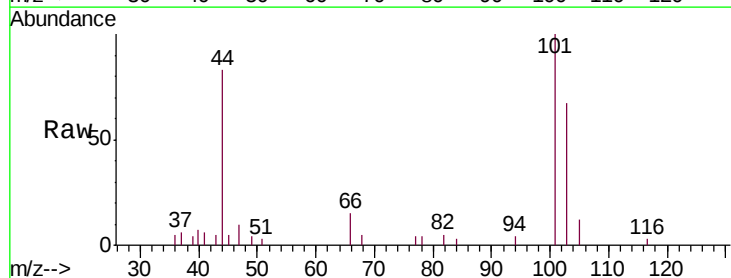
Acq: 08 Oct 2019 11:02

Tgt Ion: 101 Resp: 5629

Ion Ratio Lower Upper

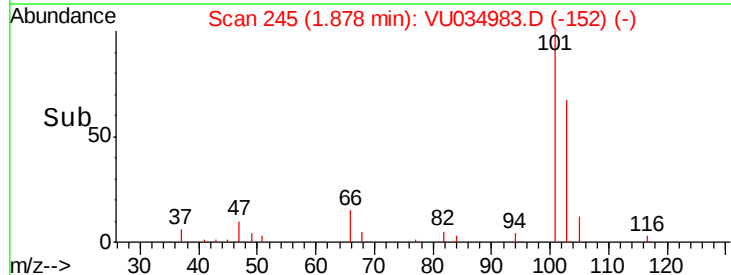
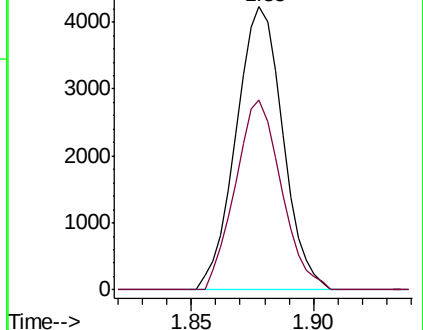
101 100

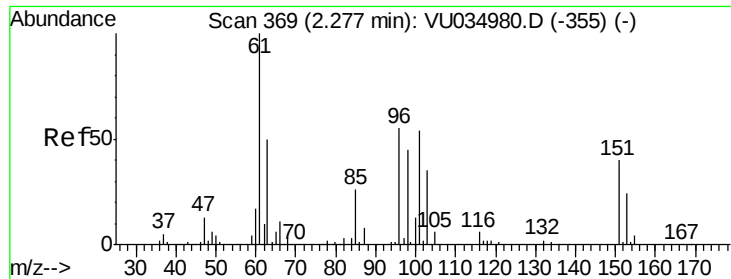
103 66.2 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU034983.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU034983.D (-233) (-)





#10

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

Concen: 0.283 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

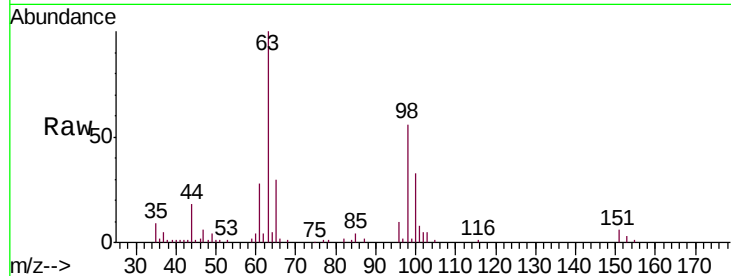
Tgt Ion:101 Resp: 3464

Ion Ratio Lower Upper

101 100

85 40.6 37.4 56.0

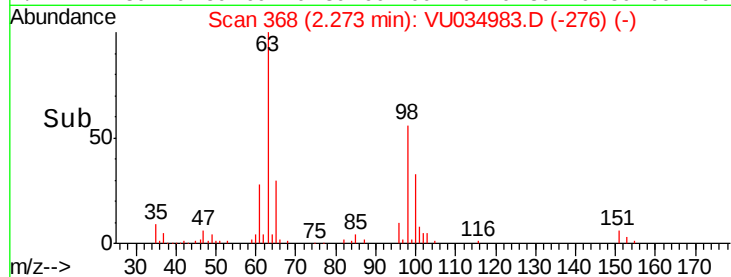
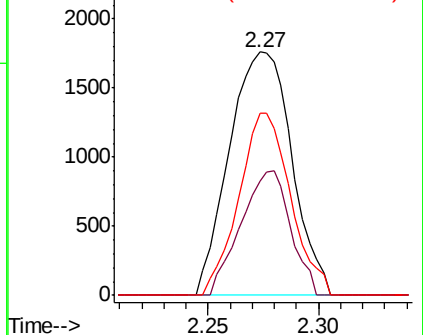
151 62.2 58.6 87.8



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: 0.320 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

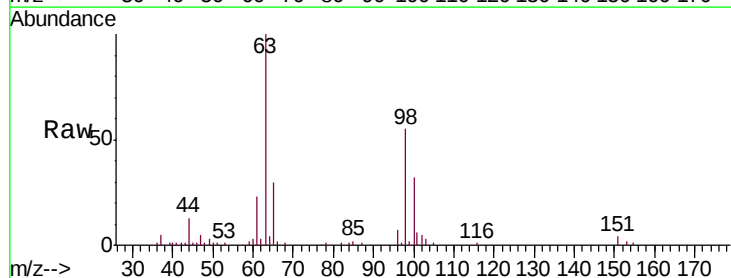
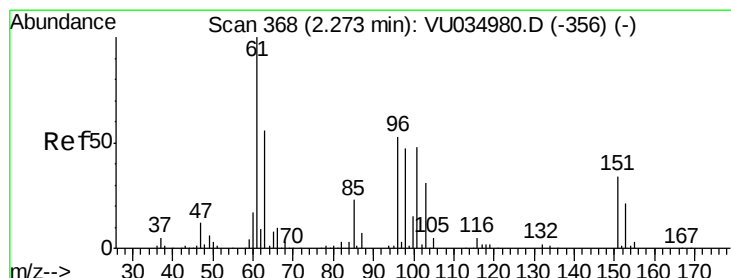
Tgt Ion: 96 Resp: 3675

Ion Ratio Lower Upper

96 100

61 304.5 129.3 240.1#

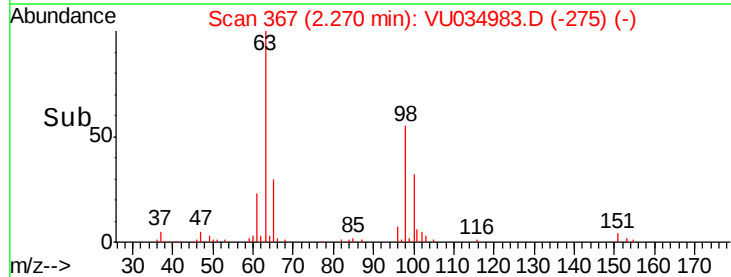
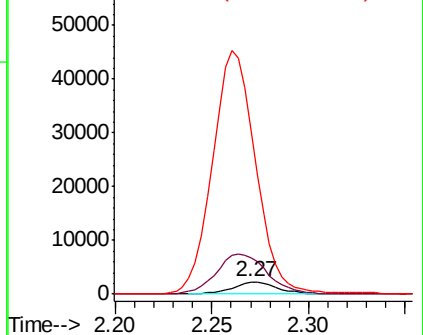
63 1345.8 108.9 202.3#

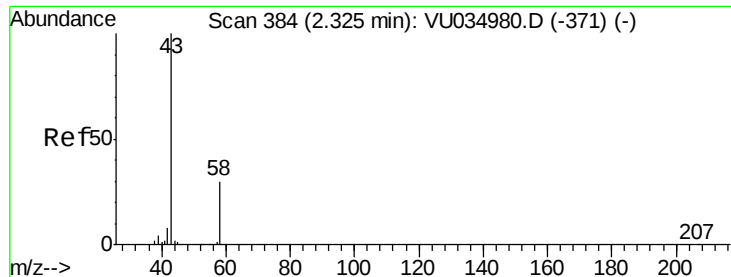


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 3.266 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

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ClientSampleId :

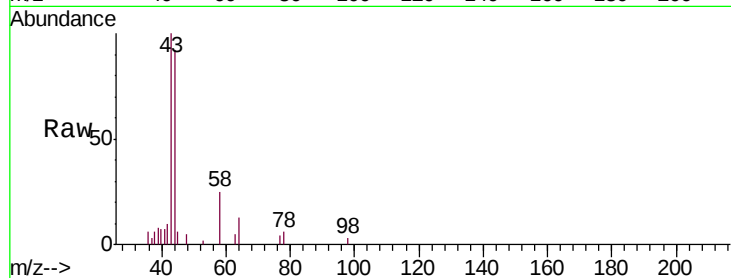
MDL01

Tgt Ion: 43 Resp: 8324

Ion Ratio Lower Upper

43 100

58 26.1 0.0 66.6

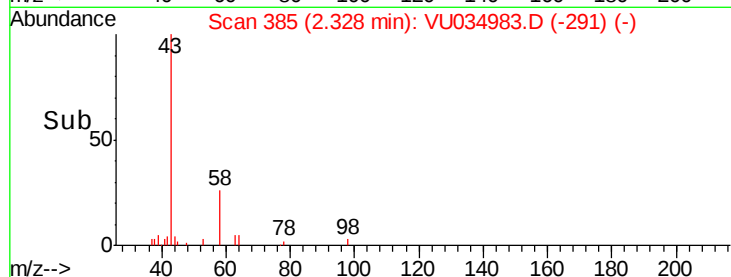


Abundance Ion 43.05 (42.75 to 43.75): VU034983.D (-371) (-)

Ion 58.05 (57.75 to 58.75): VU034983.D (-371) (-)

2.33

Time-->



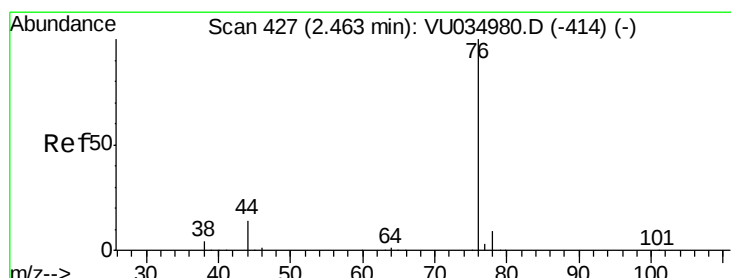
Abundance

Ion 43.05 (42.75 to 43.75): VU034983.D (-291) (-)

Ion 58.05 (57.75 to 58.75): VU034983.D (-291) (-)

2.33

Time-->



#14

Carbon disulfide

Concen: 0.258 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034983.D

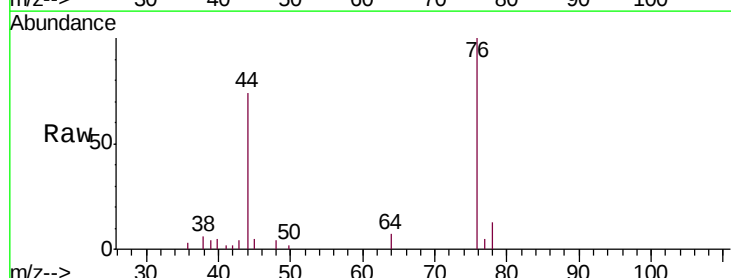
Acq: 08 Oct 2019 11:02

Tgt Ion: 76 Resp: 9850

Ion Ratio Lower Upper

76 100

78 13.3 7.1 10.7#

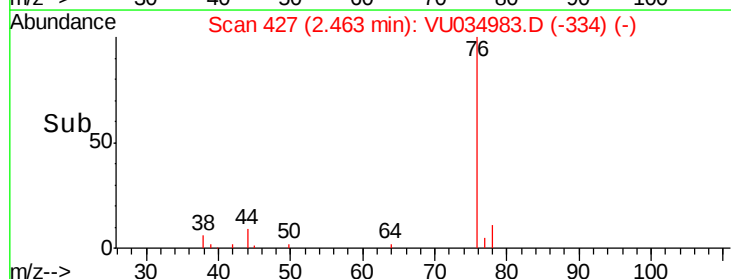


Abundance Ion 76.05 (75.75 to 76.75): VU034983.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU034983.D (-414) (-)

2.46

Time-->



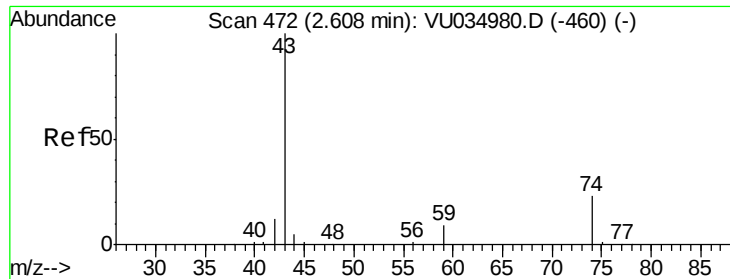
Abundance

Ion 76.05 (75.75 to 76.75): VU034983.D (-334) (-)

Ion 78.00 (77.70 to 78.70): VU034983.D (-334) (-)

2.46

Time-->



#15

Methyl Acetate

Concen: 0.229 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

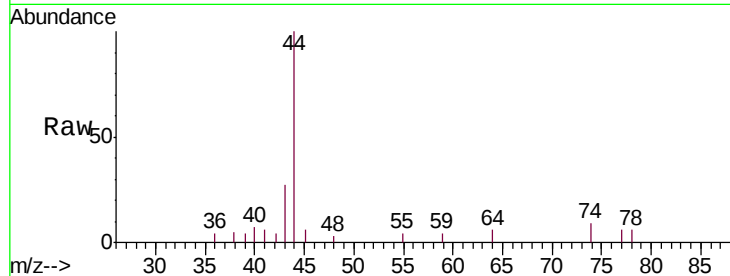
MDL01

Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

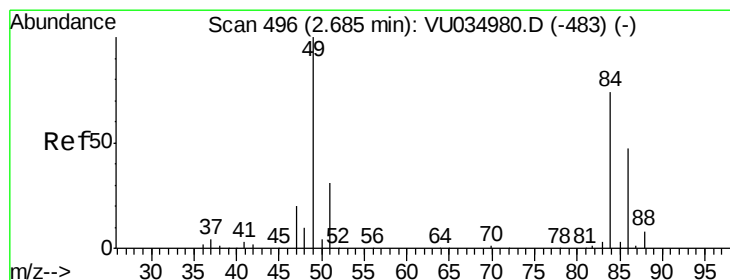
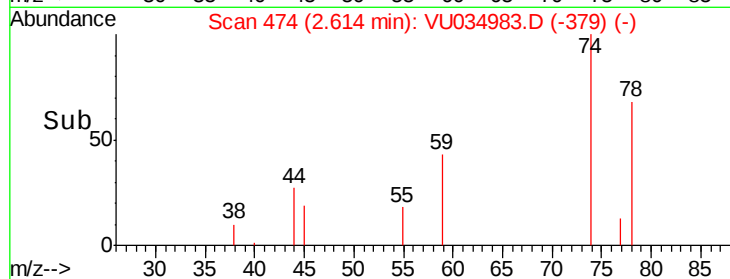
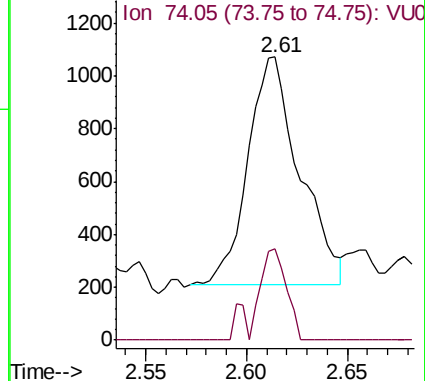
43 100

74 20.0 17.8 26.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.465 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

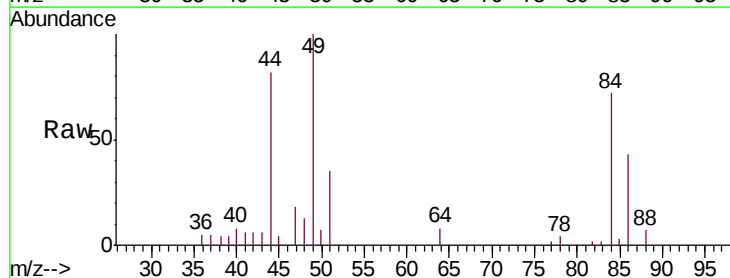
Tgt Ion: 84 Resp: 6604

Ion Ratio Lower Upper

84 100

86 60.3 42.5 78.9

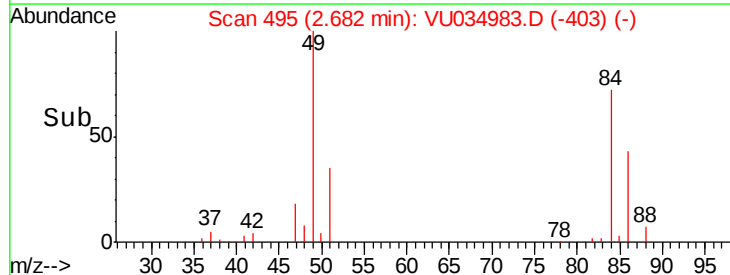
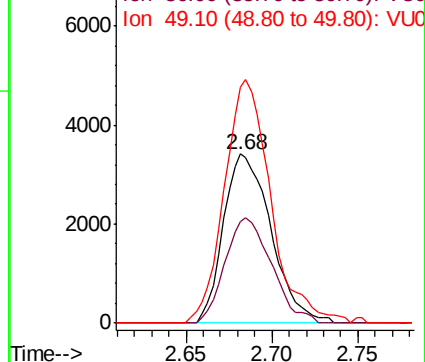
49 139.3 86.9 161.3

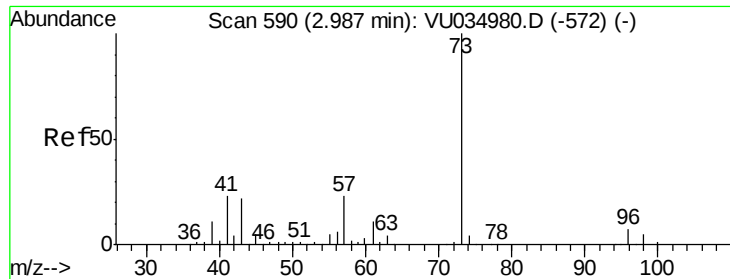


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#17

Methyl tert-butyl Ether

Concen: 0.263 ug/L

RT: 2.99 min Scan# 590

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

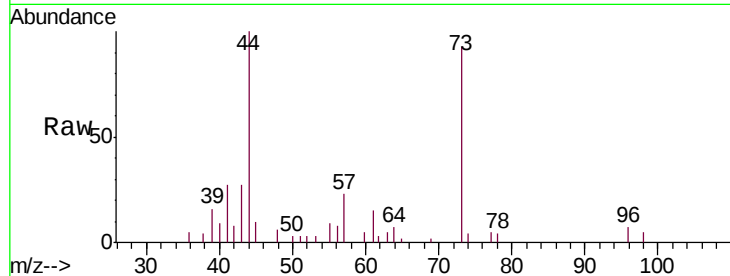
Tgt Ion: 73 Resp: 8252

Ion Ratio Lower Upper

73 100

43 27.6 16.3 24.5#

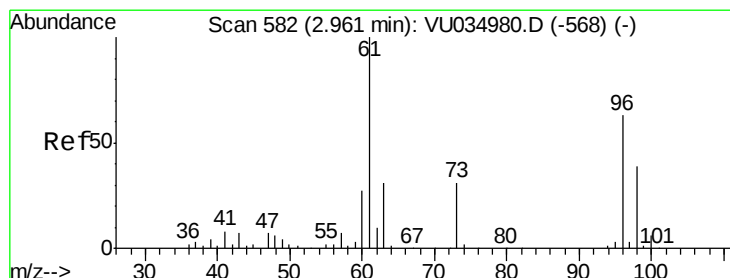
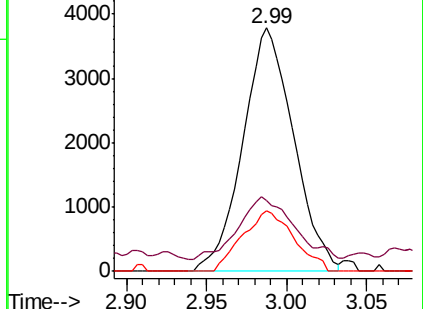
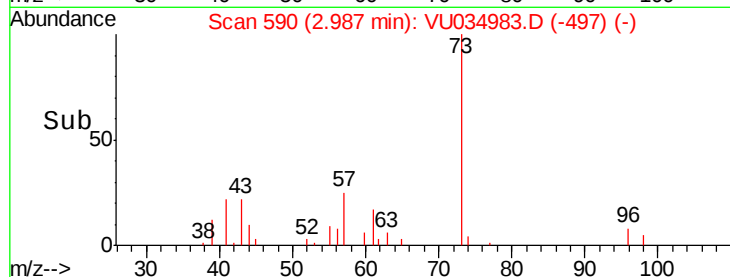
57 25.2 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VU034983.D (-497) (-)

Ion 43.05 (42.75 to 43.75): VU034983.D (-497) (-)

Ion 57.10 (56.80 to 57.80): VU034983.D (-497) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.249 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

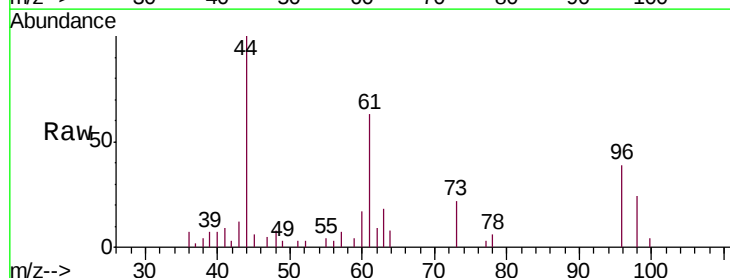
Tgt Ion: 96 Resp: 3059

Ion Ratio Lower Upper

96 100

61 162.2 107.1 198.9

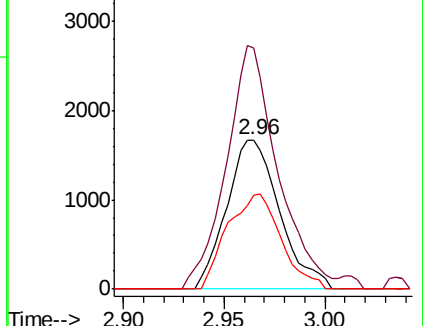
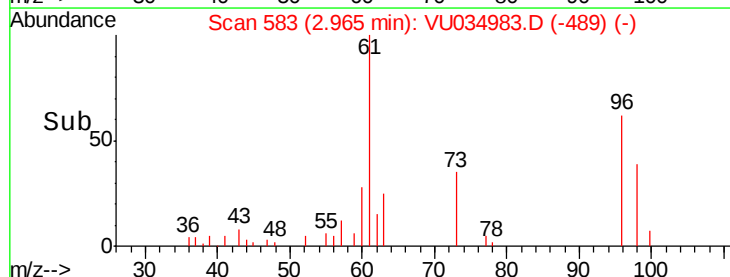
98 63.3 45.4 84.4

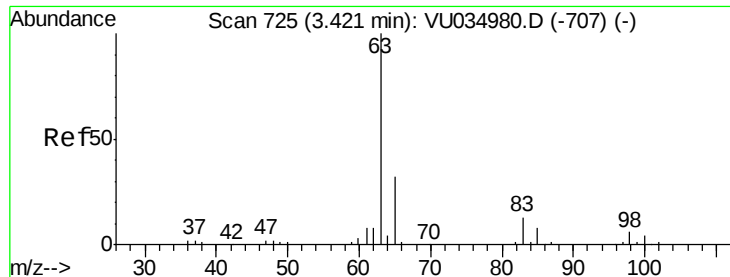


Abundance Ion 96.00 (95.70 to 96.70): VU034983.D (-489) (-)

Ion 61.05 (60.75 to 61.75): VU034983.D (-489) (-)

Ion 97.95 (97.65 to 98.65): VU034983.D (-489) (-)

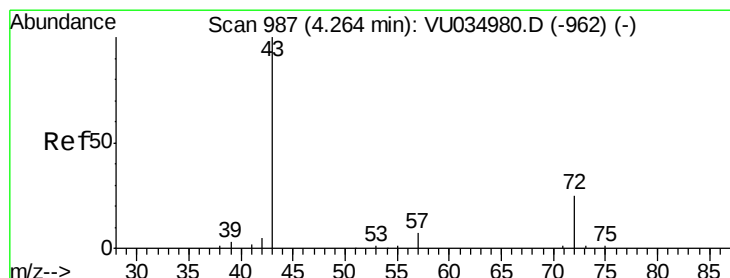
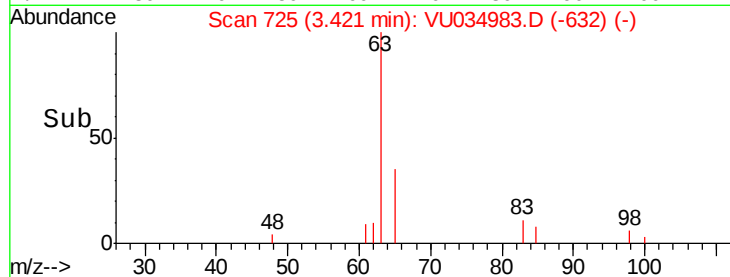
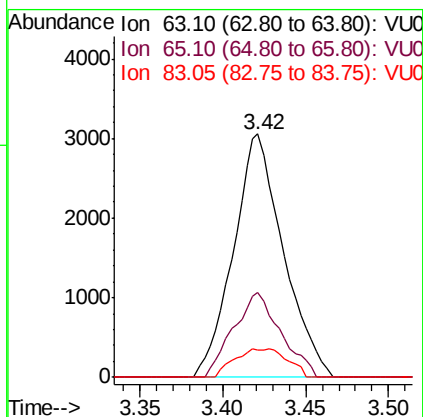
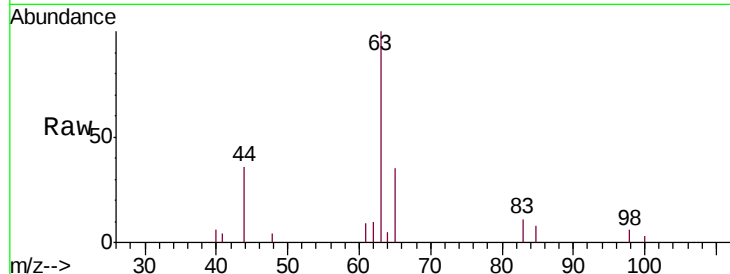




#19
 1,1-Dichloroethane
 Concen: 0.261 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

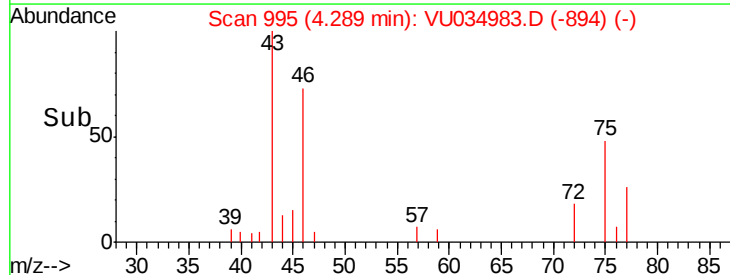
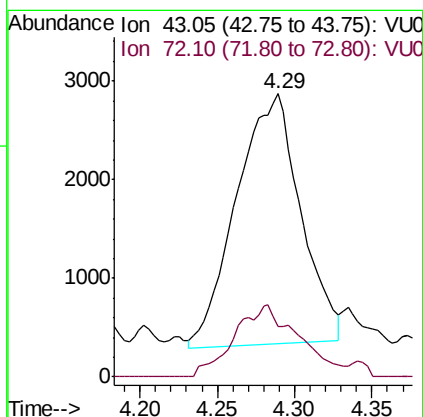
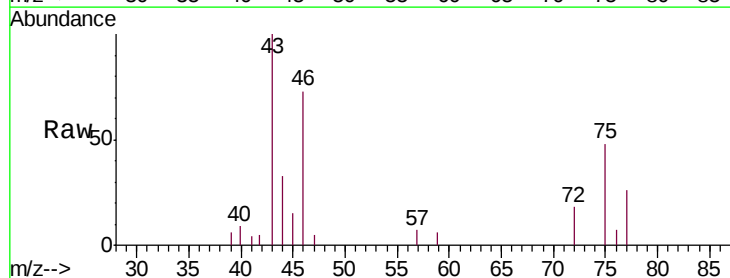
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

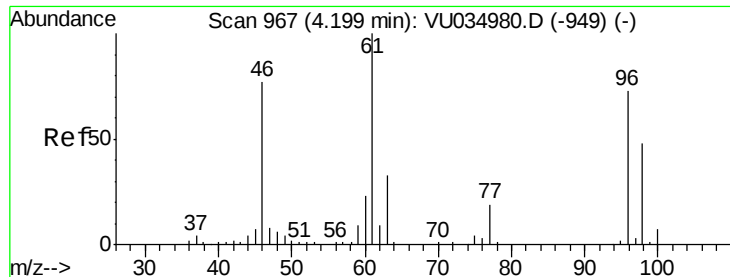
Tgt Ion: 63 Resp: 6375
 Ion Ratio Lower Upper
 63 100
 65 34.8 21.7 40.3
 83 11.3 9.0 16.8



#21
 2-Butanone
 Concen: 2.007 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 43 Resp: 7287
 Ion Ratio Lower Upper
 43 100
 72 29.1 13.5 40.4



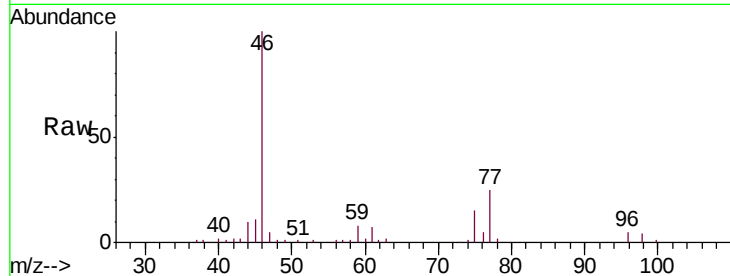


#22

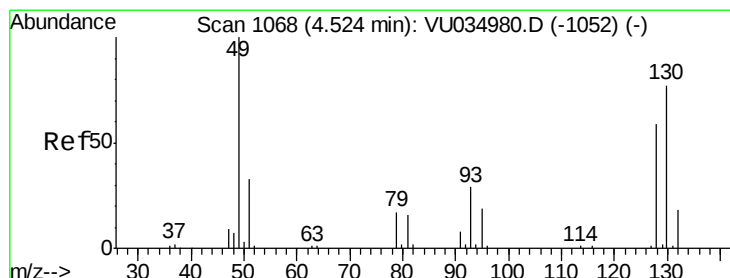
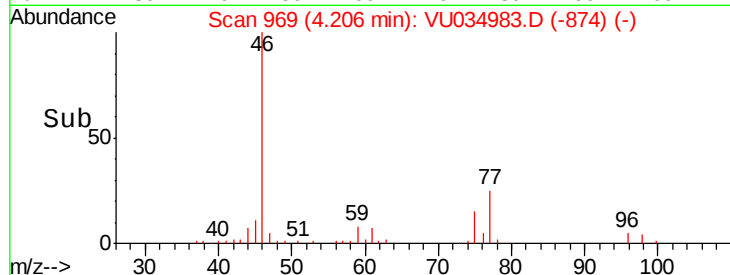
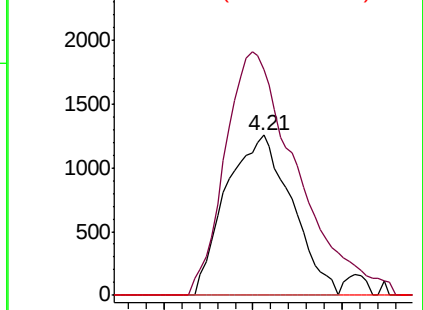
cis-1,2-Dichloroethene
 Concen: 0.236 ug/L
 RT: 4.21 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tgt Ion: 96 Resp: 3232
 Ion Ratio Lower Upper
 96 100
 61 140.4 89.2 165.6
 68 0.0 0.0 0.0



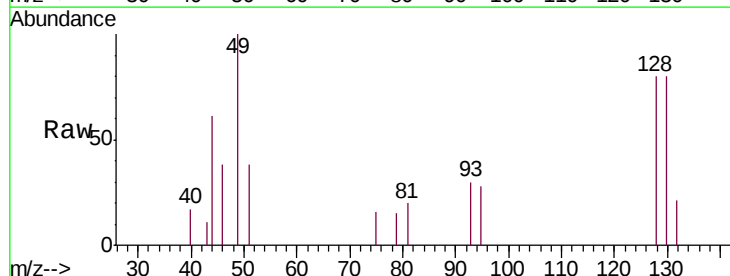
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



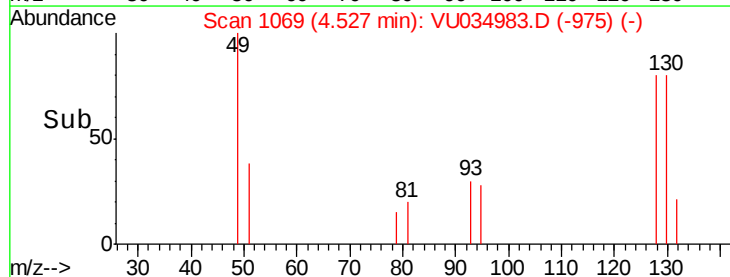
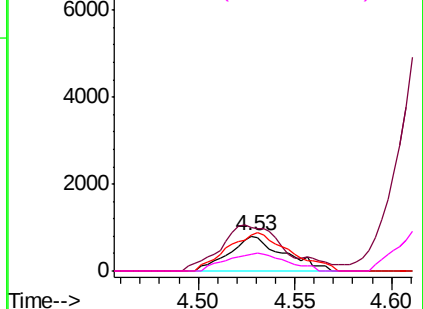
#23

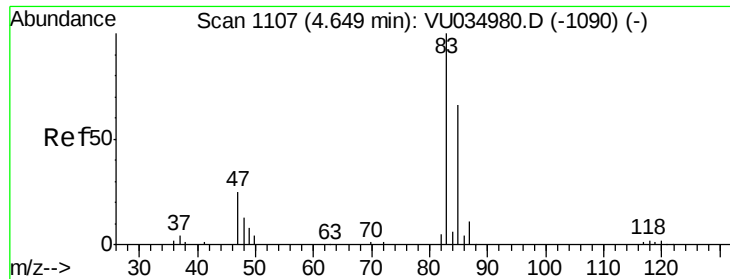
Bromochloromethane
 Concen: 0.271 ug/L
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 128 Resp: 1559
 Ion Ratio Lower Upper
 128 100
 49 125.5 110.5 205.3
 130 100.6 88.6 164.6
 51 48.3 43.2 64.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

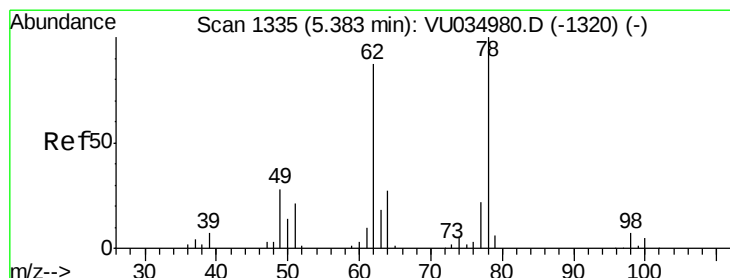
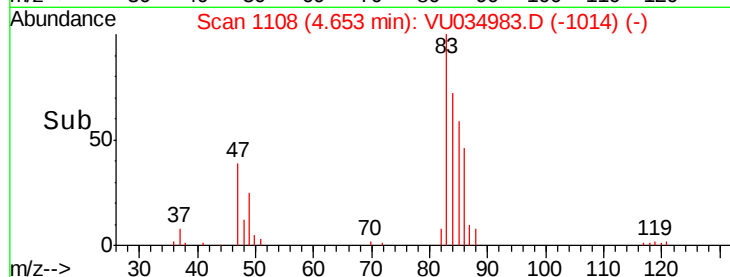
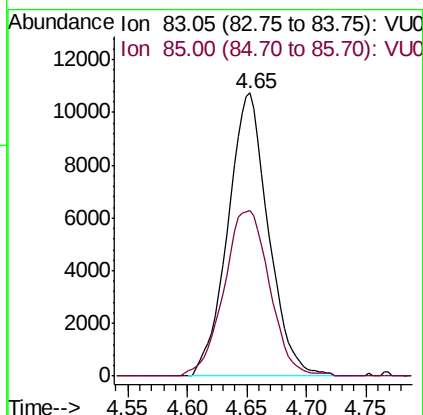
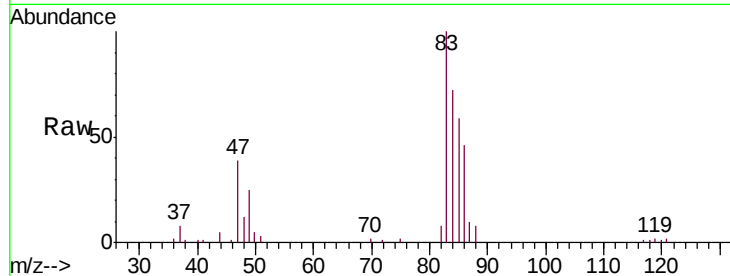




#25
Chloroform
Concen: 0.922 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

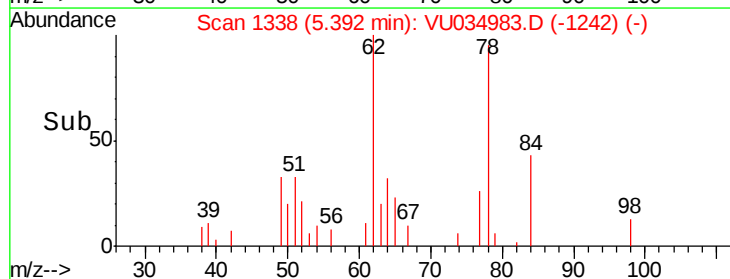
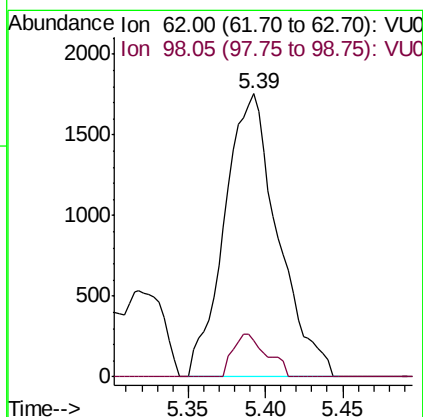
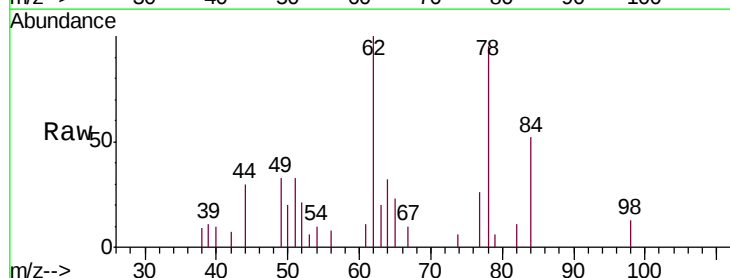
Instrument :
MSVOA_U
ClientSampleId :
MDL01

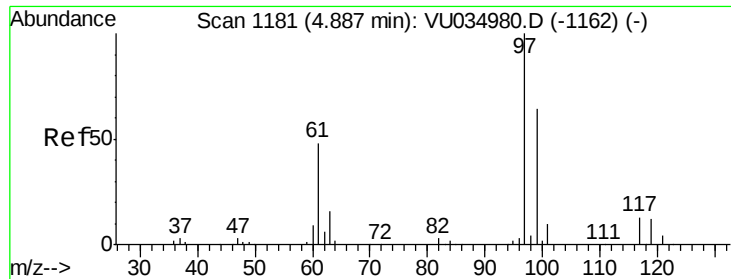
Tgt Ion: 83 Resp: 25314
Ion Ratio Lower Upper
83 100
85 58.5 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.263 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion: 62 Resp: 4213
Ion Ratio Lower Upper
62 100
98 12.7 6.6 10.0#

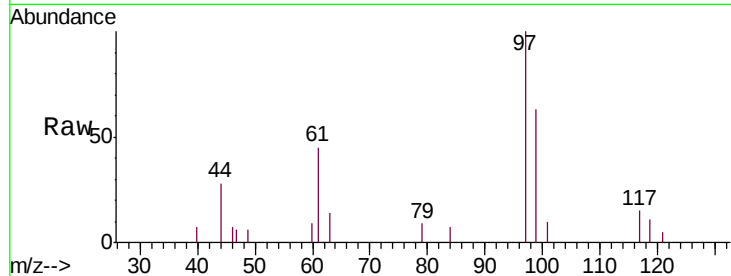




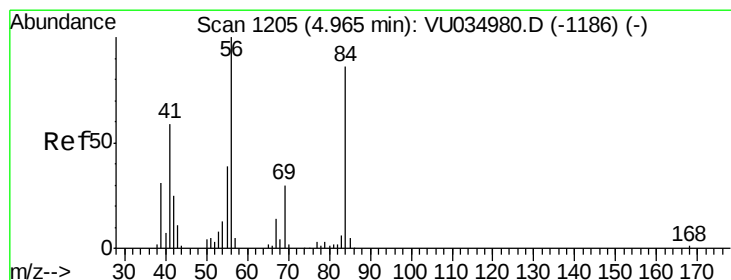
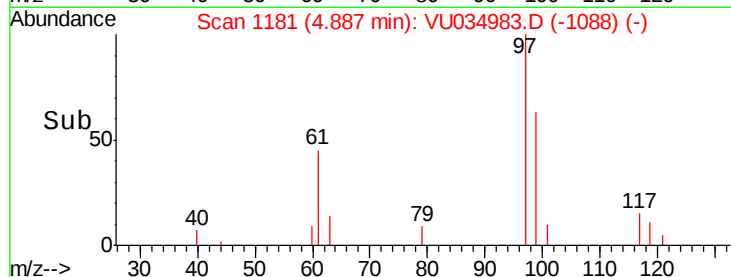
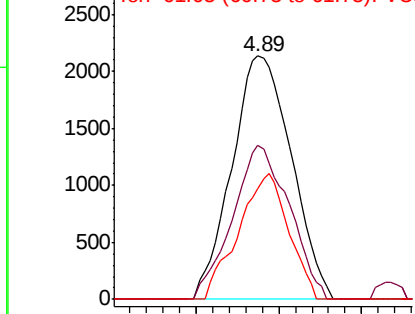
#29
 1,1,1-Trichloroethane
 Concen: 0.266 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion: 97 Resp: 5339
 Ion Ratio Lower Upper
 97 100
 99 60.0 51.6 77.4
 61 43.4 36.2 54.4

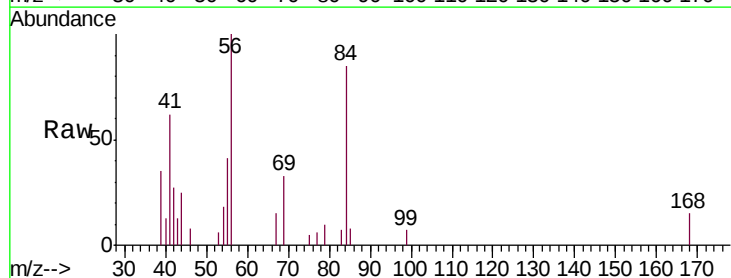


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

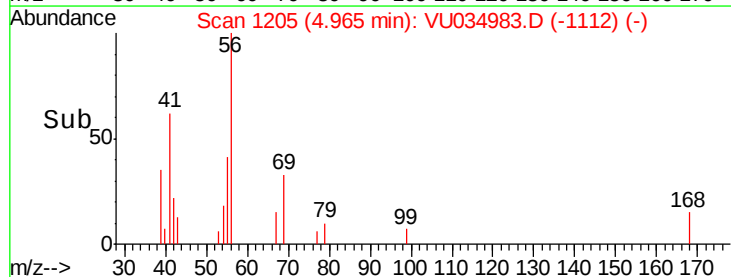
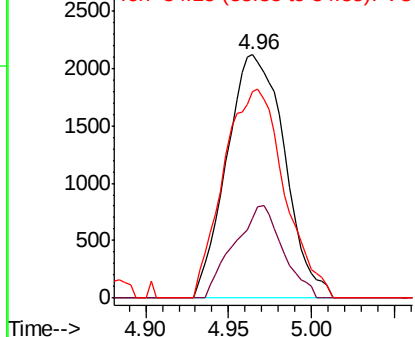


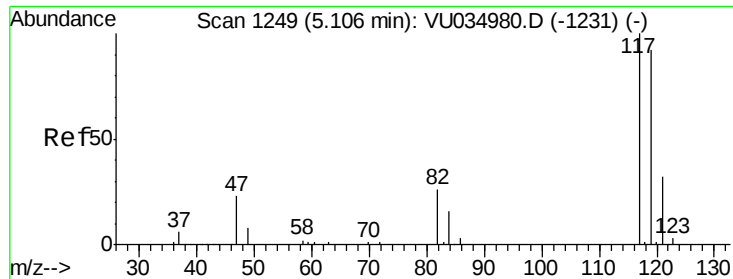
#30
 Cyclohexane
 Concen: 0.232 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 56 Resp: 5135
 Ion Ratio Lower Upper
 56 100
 69 32.0 23.9 35.9
 84 90.0 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

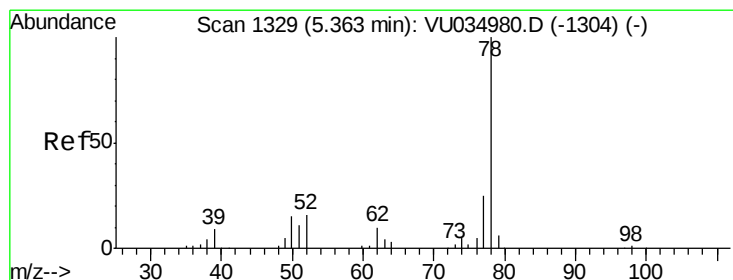
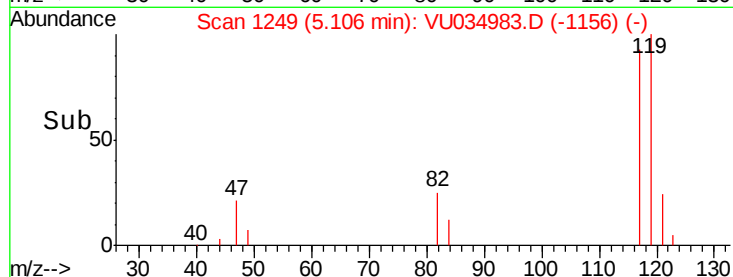
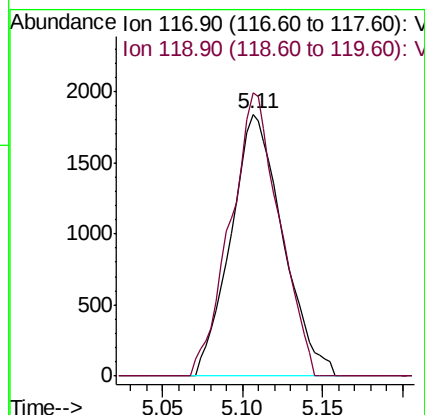
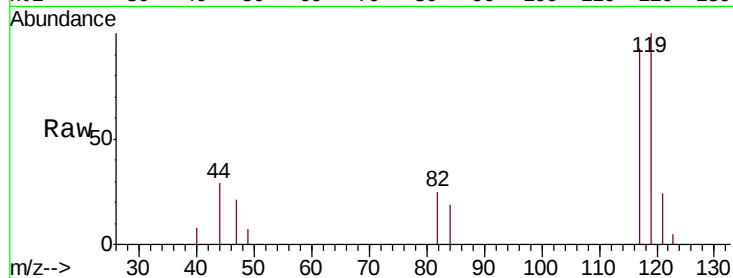




#31
Carbon tetrachloride
Concen: 0.235 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

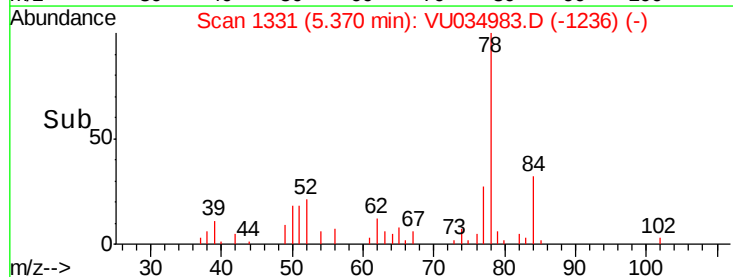
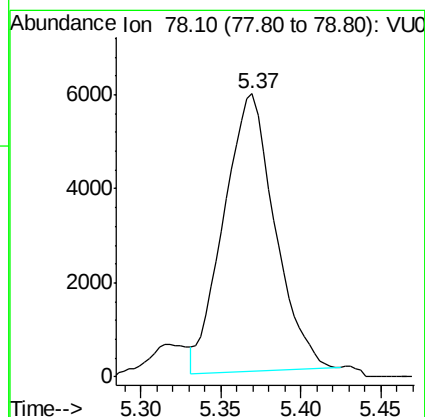
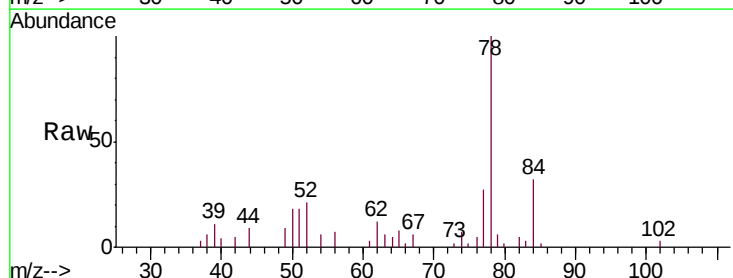
Instrument :
MSVOA_U
ClientSampleId :
MDL01

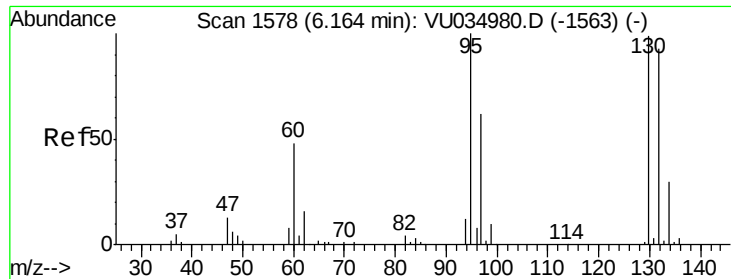
Tgt Ion:117 Resp: 4091
Ion Ratio Lower Upper
117 100
119 102.1 77.5 116.3



#33
Benzene
Concen: 0.240 ug/L
RT: 5.37 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion: 78 Resp: 12933

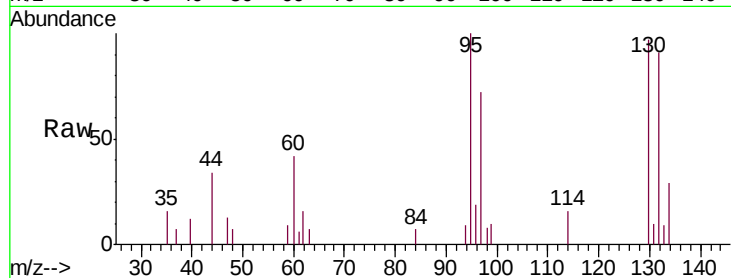




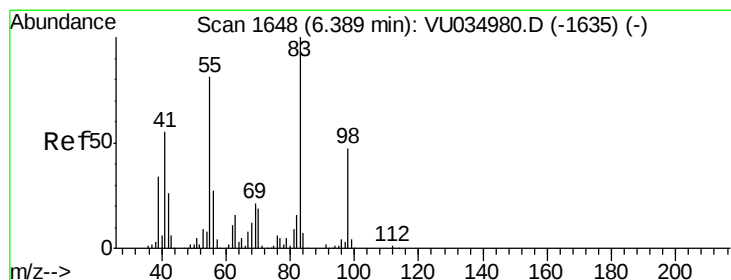
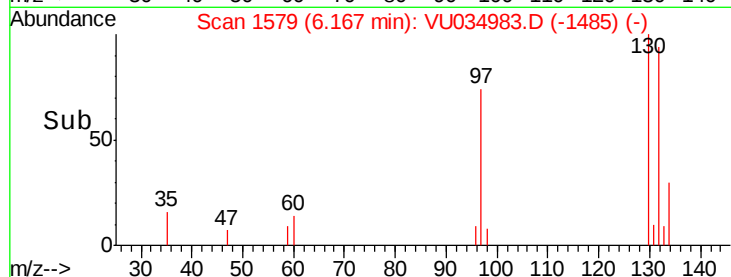
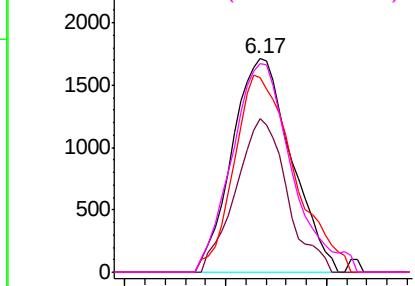
#34
 Trichloroethene
 Concen: 0.252 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion: 95 Resp: 3508
 Ion Ratio Lower Upper
 95 100
 97 71.9 44.5 82.7
 132 91.1 66.6 123.8
 130 97.4 68.9 127.9

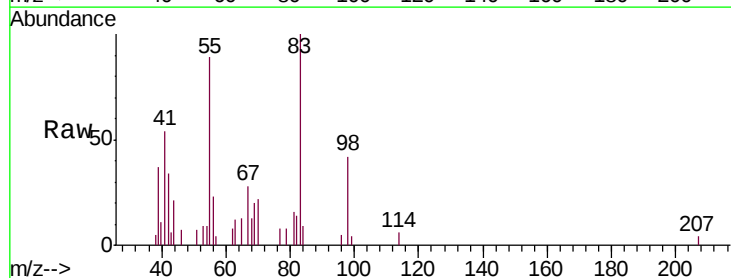


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

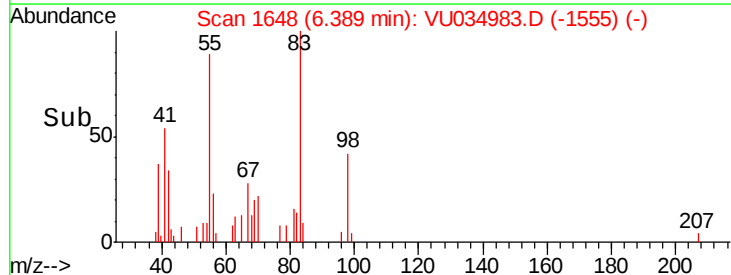
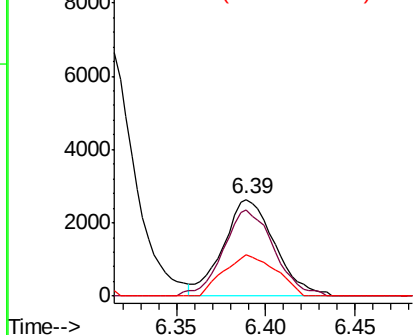


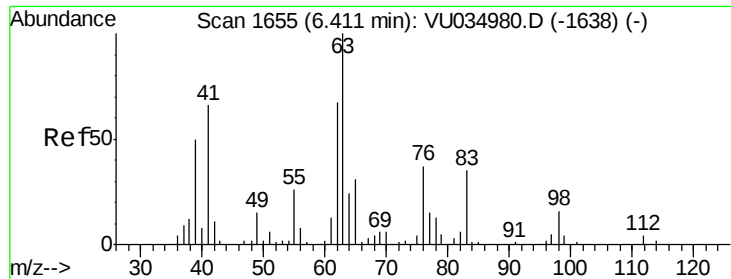
#35
 Methylcyclohexane
 Concen: 0.236 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 83 Resp: 5317
 Ion Ratio Lower Upper
 83 100
 55 87.2 62.6 94.0
 98 42.7 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

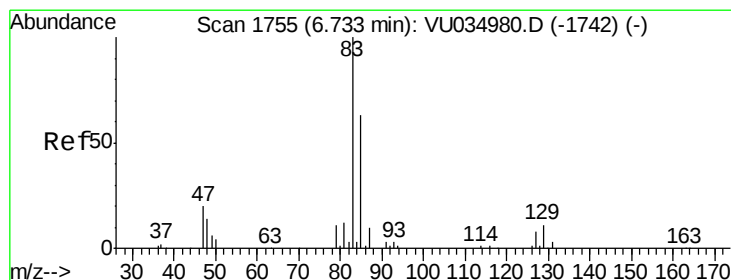
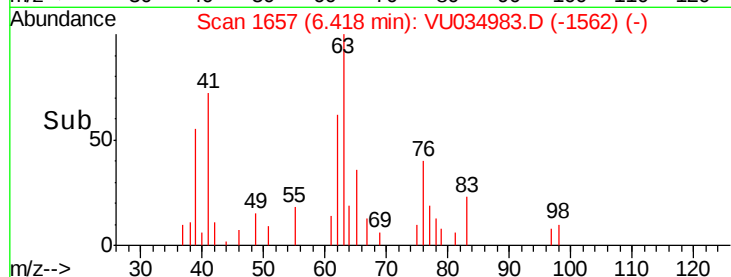
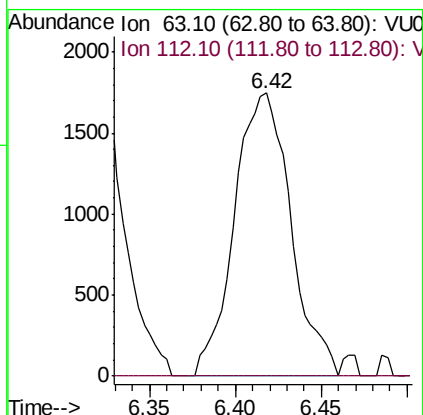
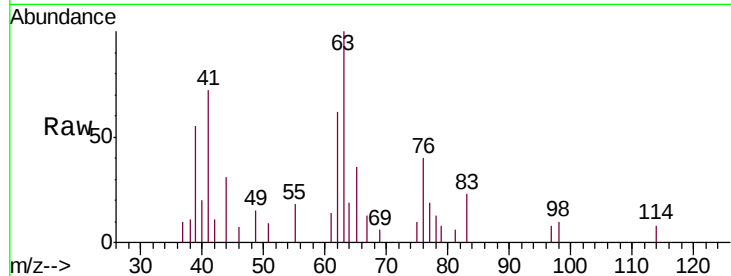




#37
 1,2-Dichloropropane
 Concen: 0.274 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

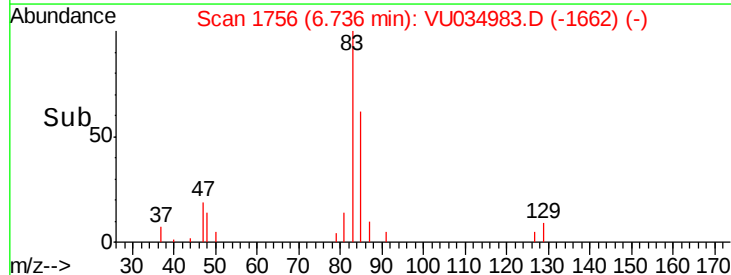
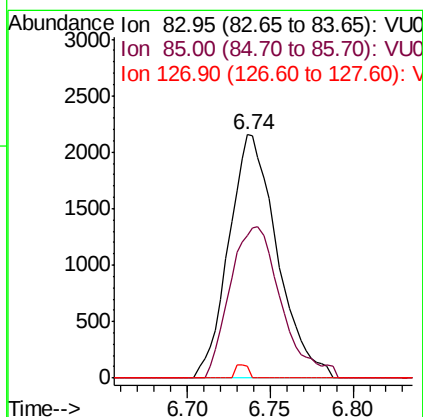
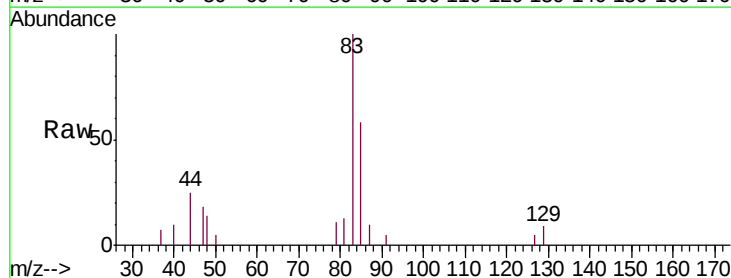
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

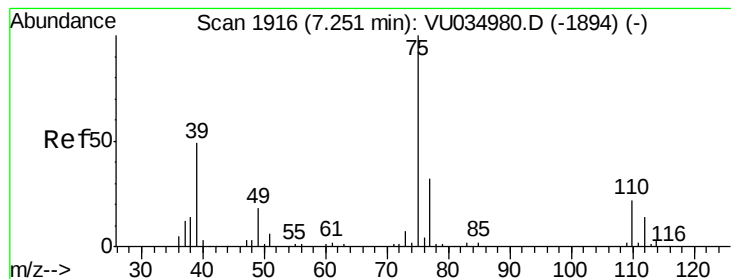
Tgt Ion: 63 Resp: 3981
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.256 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 83 Resp: 4356
 Ion Ratio Lower Upper
 83 100
 85 58.5 44.0 81.8
 127 4.8 7.0 10.4#



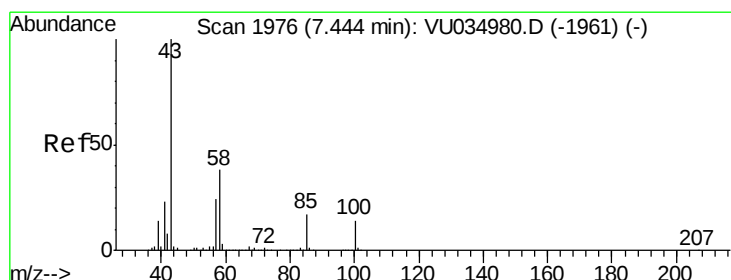
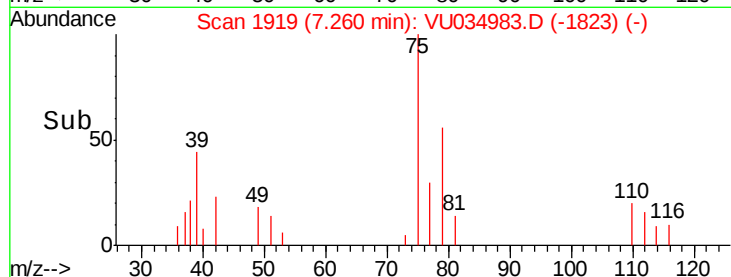
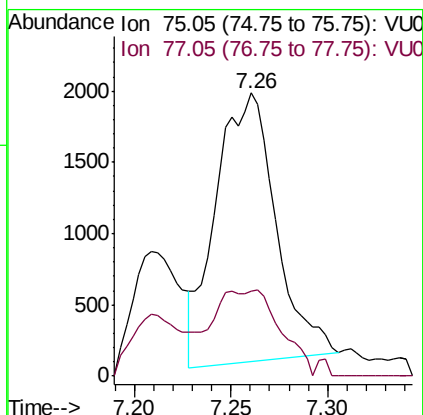
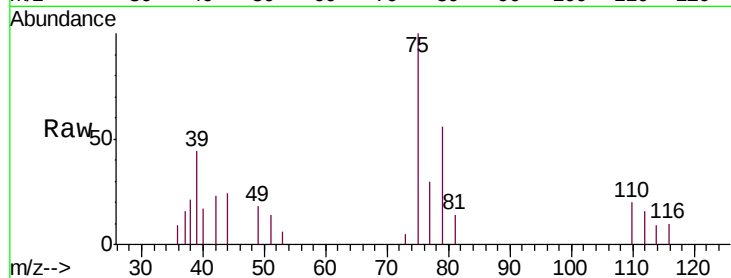


#39

cis-1,3-Dichloropropene
 Concen: 0.208 ug/L
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

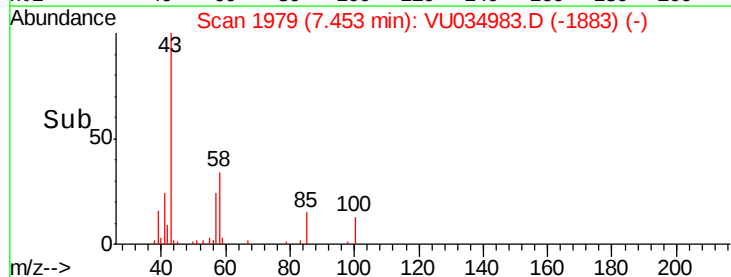
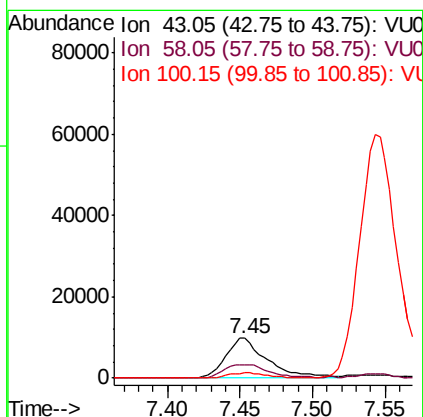
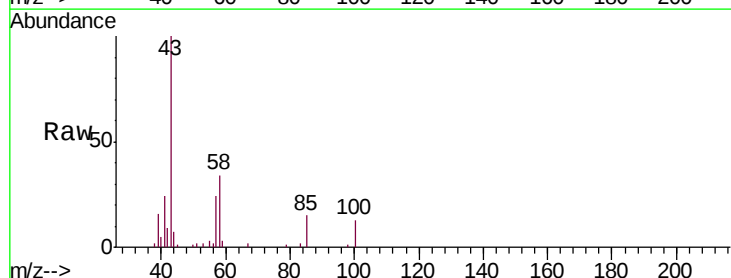
Tgt Ion: 75 Resp: 4095
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.1 41.1

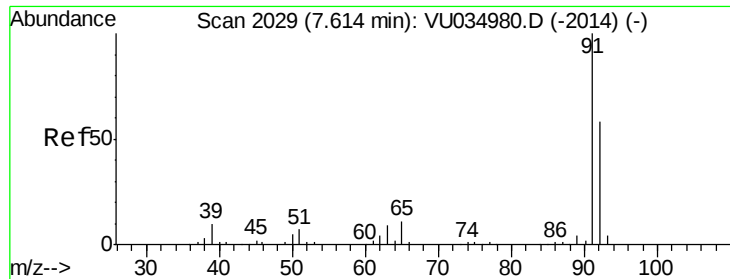


#40

4-Methyl-2-pentanone
 Concen: 2.129 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 43 Resp: 19487
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.246 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

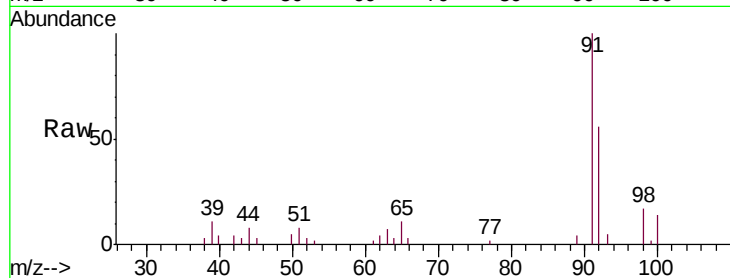
MDL01

Tgt Ion: 91 Resp: 13860

Ion Ratio Lower Upper

91 100

92 56.1 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU034983.D (-2030) (-)

Ion 92.15 (91.85 to 92.85): VU034983.D (-2030) (-)

7.62

8000

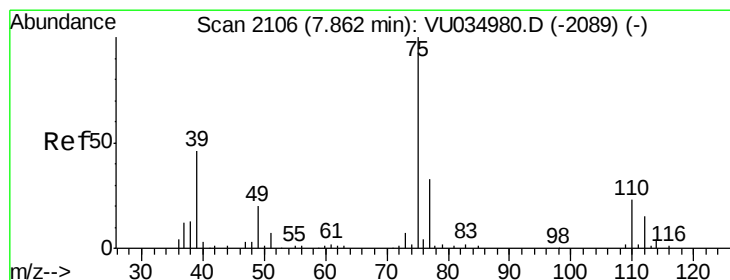
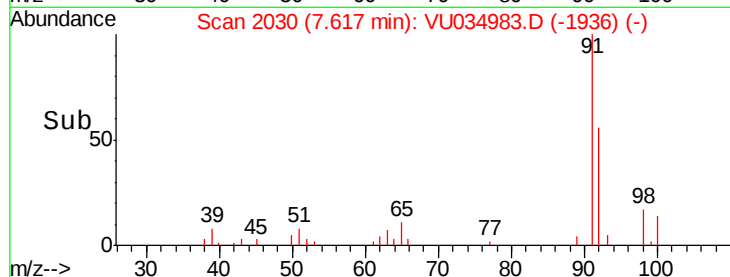
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.182 ug/L

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU034983.D

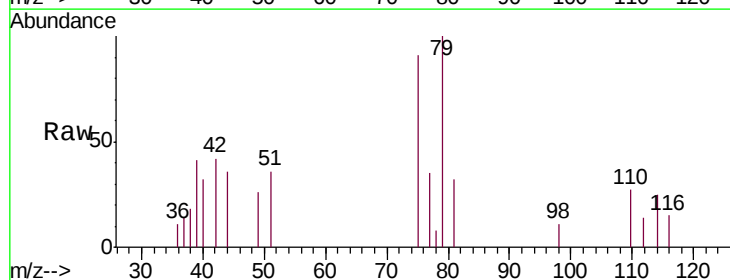
Acq: 08 Oct 2019 11:02

Tgt Ion: 75 Resp: 2779

Ion Ratio Lower Upper

75 100

77 38.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034983.D (-2109) (-)

Ion 77.05 (76.75 to 77.75): VU034983.D (-2109) (-)

7.87

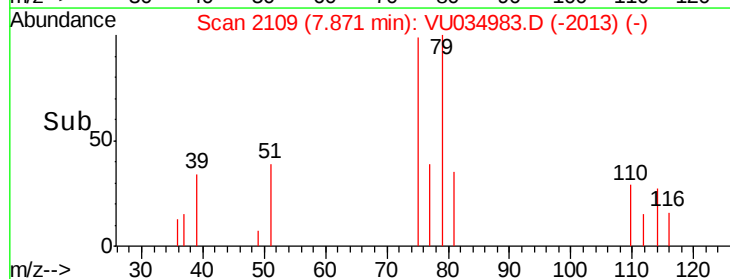
1500

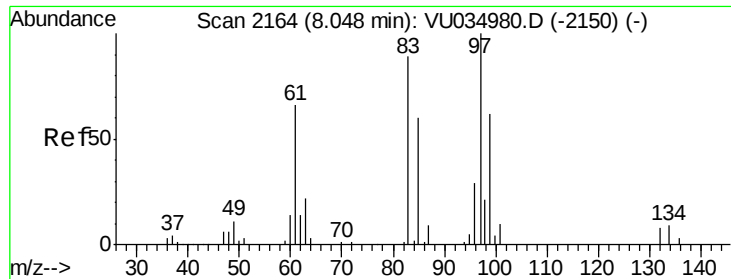
1000

500

0

Time-->

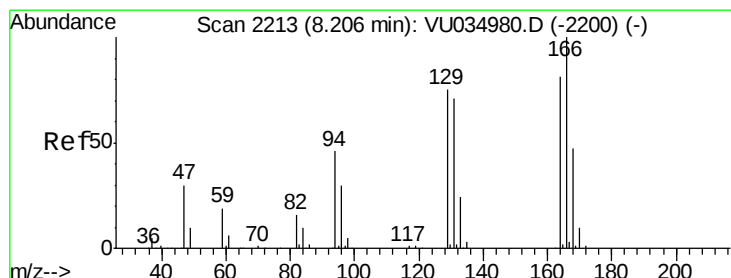
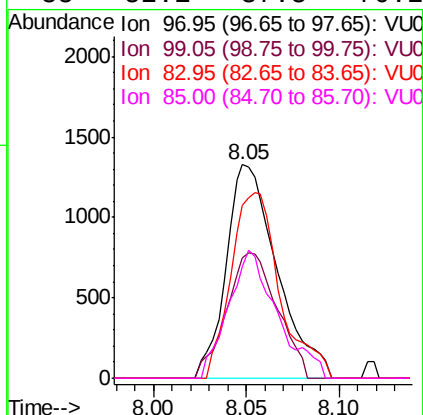
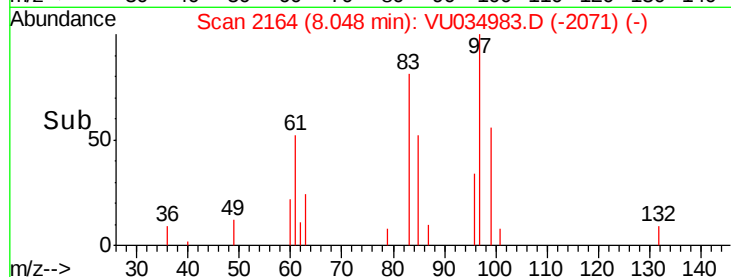
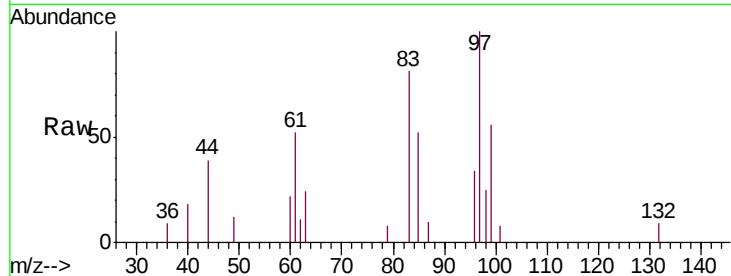




#45
 1,1,2-Trichloroethane
 Concen: 0.262 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

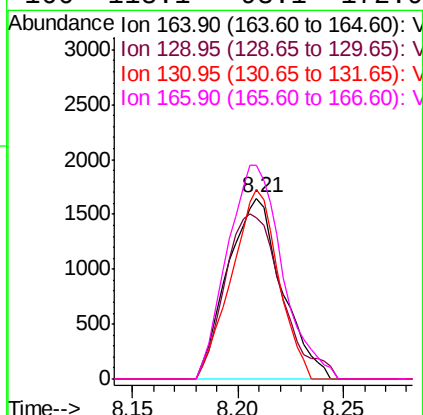
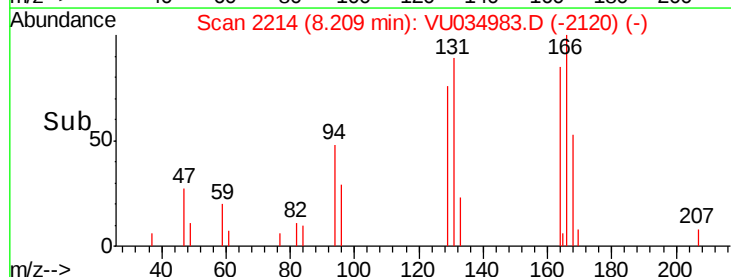
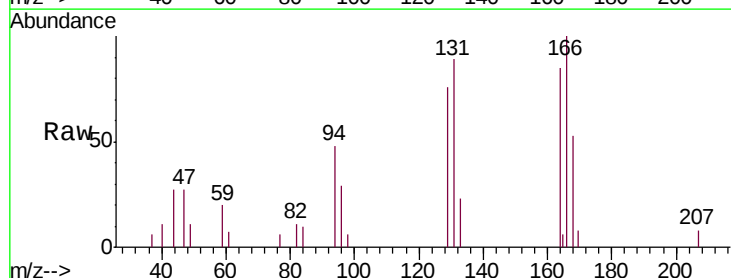
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

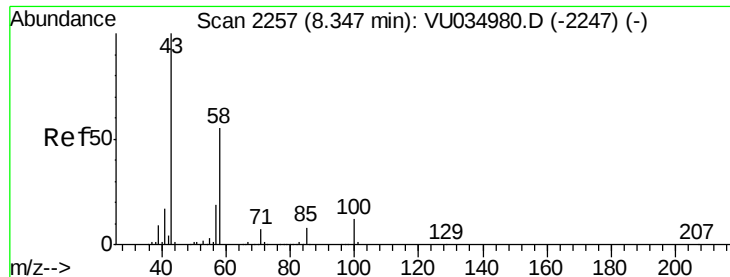
Tgt Ion:	97	Resp:	2534
Ion	Ratio	Lower	Upper
97	100		
99	56.5	42.3	78.5
83	80.9	58.0	107.6
85	52.1	37.8	70.2



#47
 Tetrachloroethene
 Concen: 0.261 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion:	164	Resp:	2942
Ion	Ratio	Lower	Upper
164	100		
129	89.6	68.5	127.1
131	105.0	67.3	124.9
166	118.1	93.1	172.9

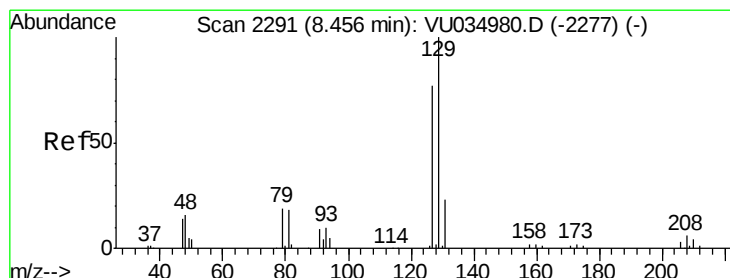
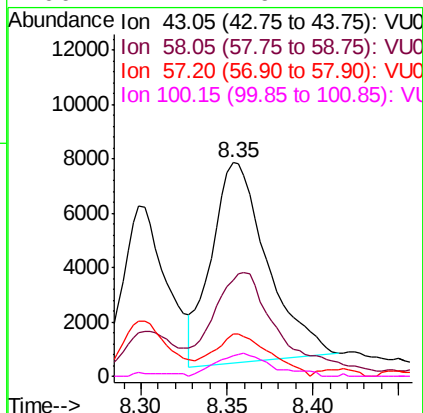
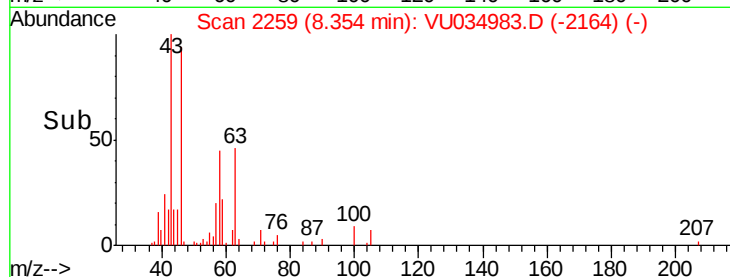
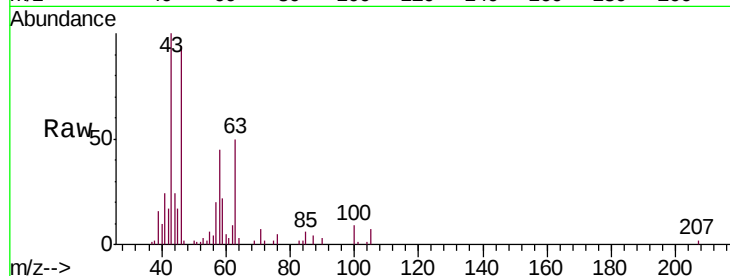




#48
2-Hexanone
Concen: 2.662 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

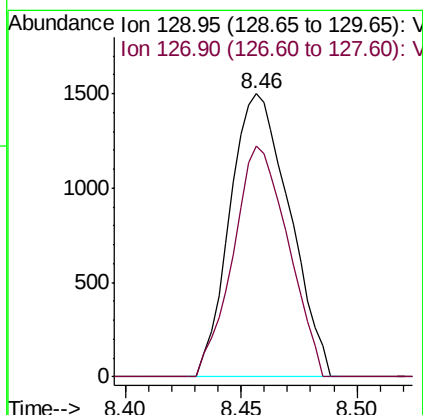
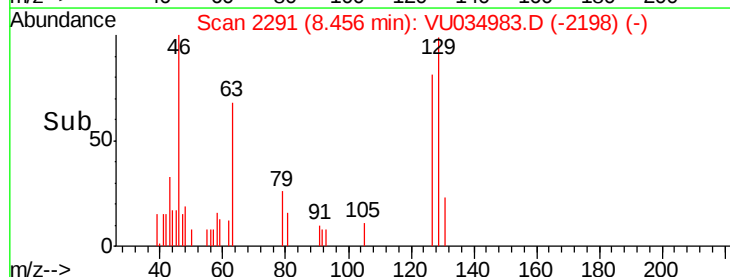
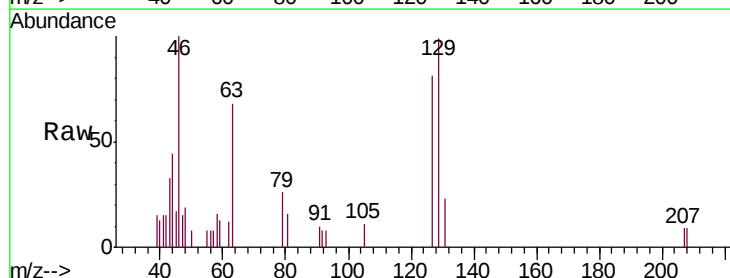
Instrument :
MSVOA_U
ClientSampleId :
MDL01

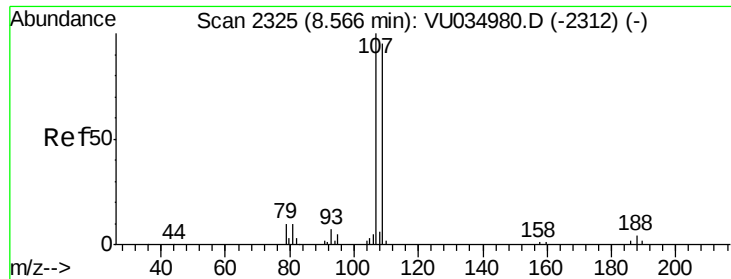
Tgt Ion: 43 Resp: 16703
Ion Ratio Lower Upper
43 100
58 61.3 44.1 66.1
57 21.3 15.8 23.8
100 11.2 9.4 14.2



#49
Dibromochloromethane
Concen: 0.240 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion: 129 Resp: 2676
Ion Ratio Lower Upper
129 100
127 81.8 51.9 96.5





#50

1,2-Dibromoethane

Concen: 0.235 ug/L

RT: 8.58 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

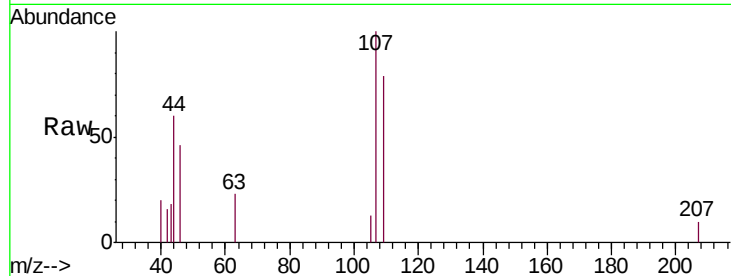
Tgt Ion:107 Resp: 2167

Ion Ratio Lower Upper

107 100

109 78.5 64.8 120.4

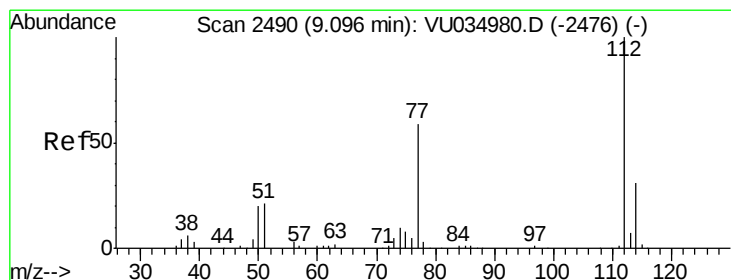
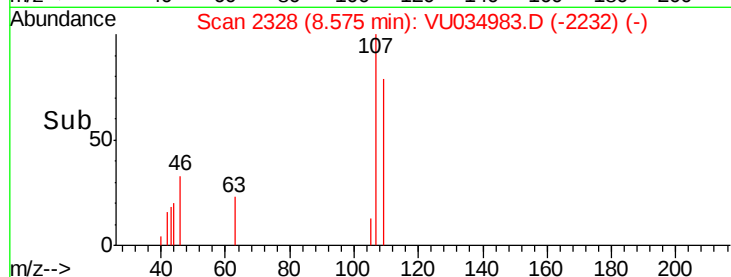
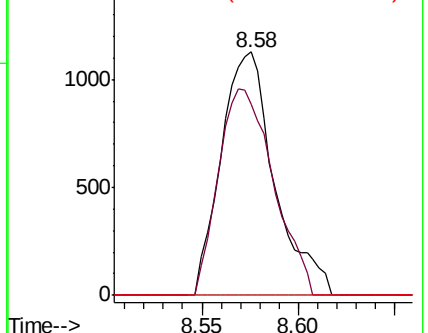
188 0.0 3.0 4.6#



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: 0.259 ug/L

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

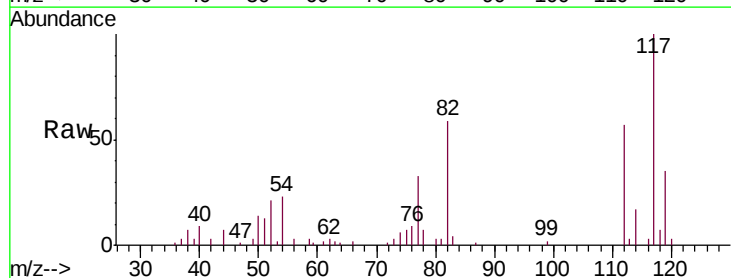
Tgt Ion:112 Resp: 9448

Ion Ratio Lower Upper

112 100

114 29.5 22.1 41.1

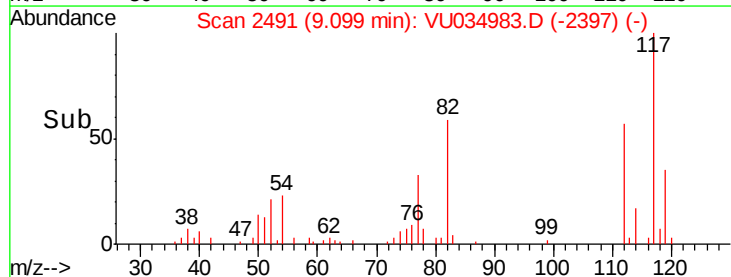
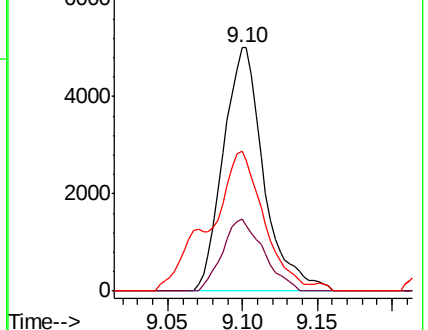
77 57.6 46.9 70.3

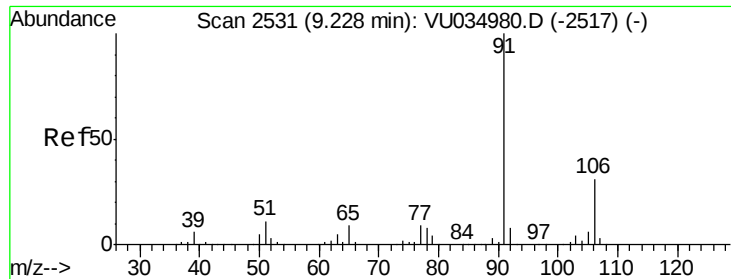


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 0.232 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

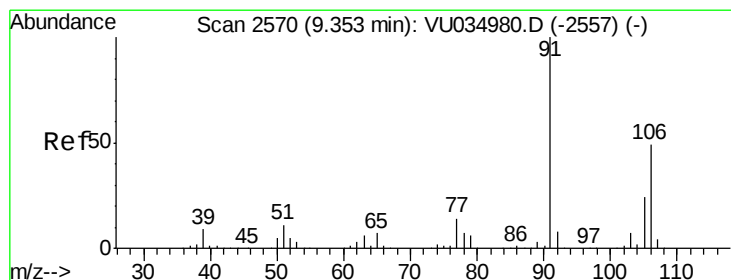
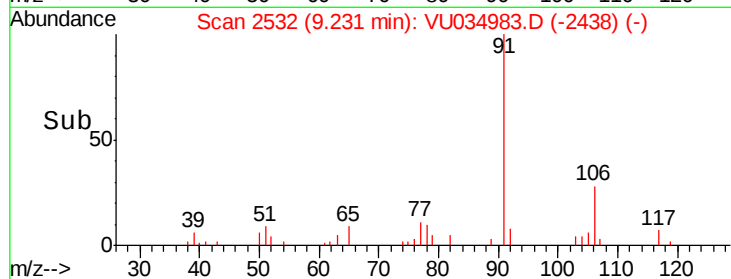
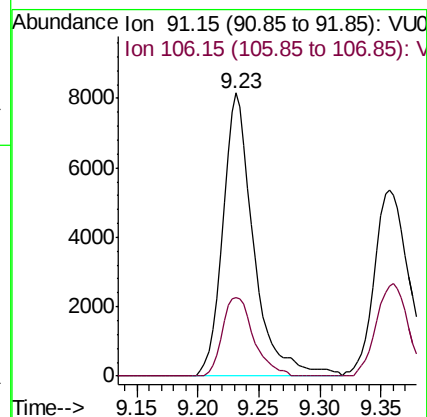
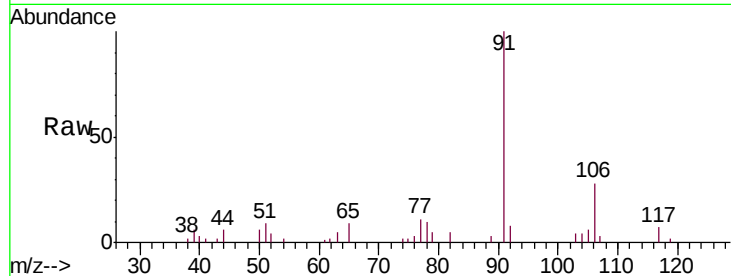
MDL01

Tgt Ion: 91 Resp: 14434

Ion Ratio Lower Upper

91 100

106 27.8 21.6 40.2



#53

m,p-Xylene

Concen: 0.222 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034983.D

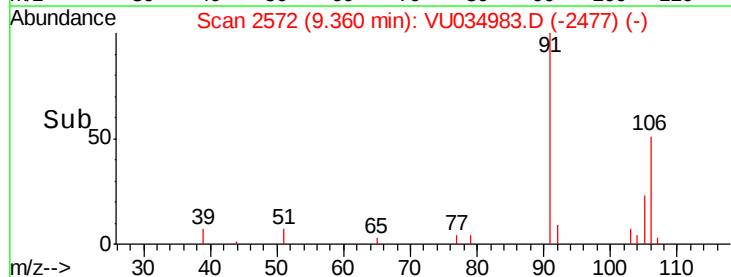
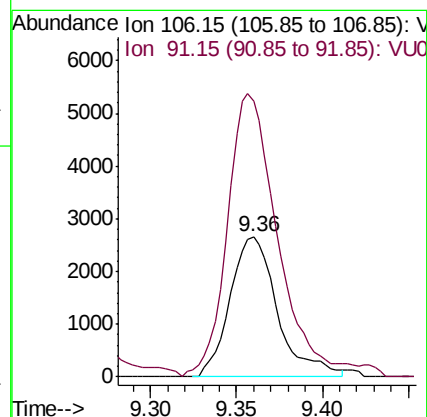
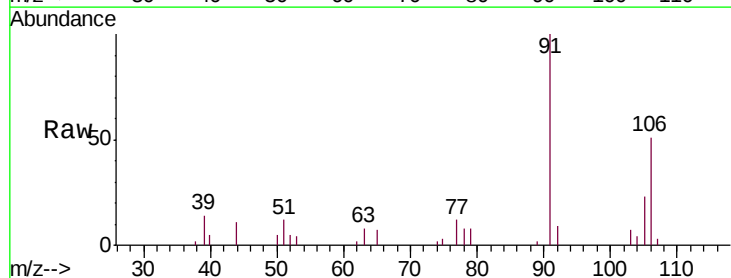
Acq: 08 Oct 2019 11:02

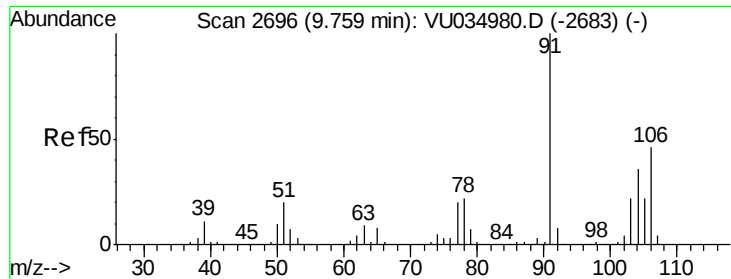
Tgt Ion: 106 Resp: 5106

Ion Ratio Lower Upper

106 100

91 196.5 147.6 274.0

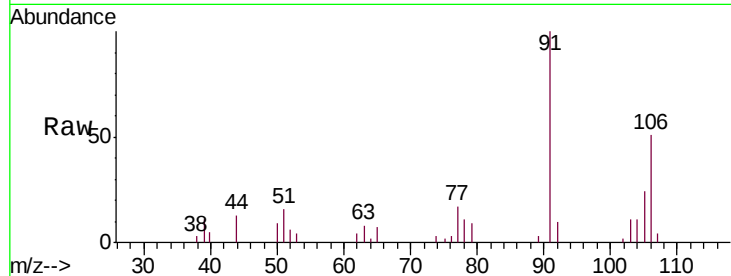




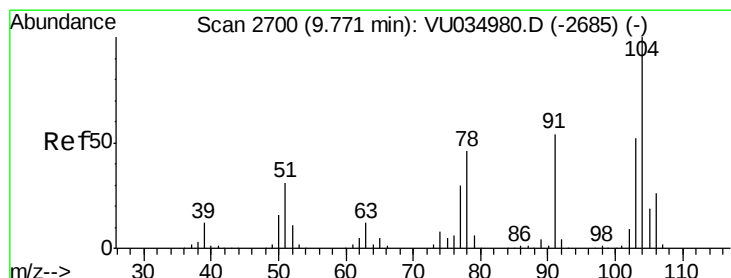
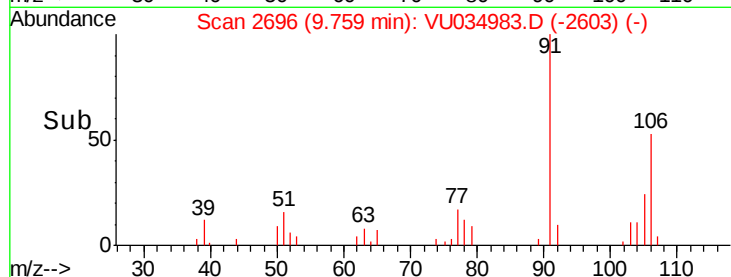
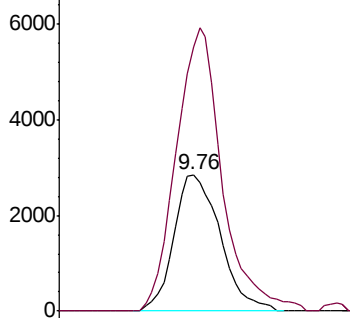
#54
o-Xylene
Concen: 0.220 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tgt Ion:106 Resp: 4929
Ion Ratio Lower Upper
106 100
91 194.2 148.5 275.7

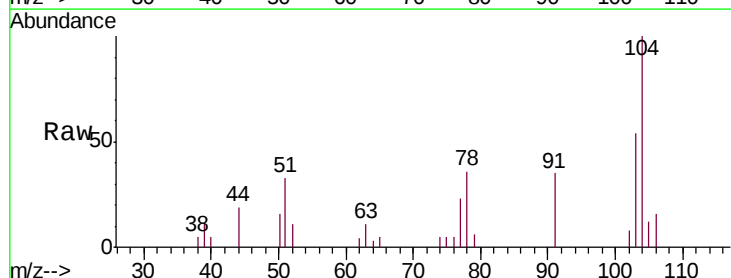


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

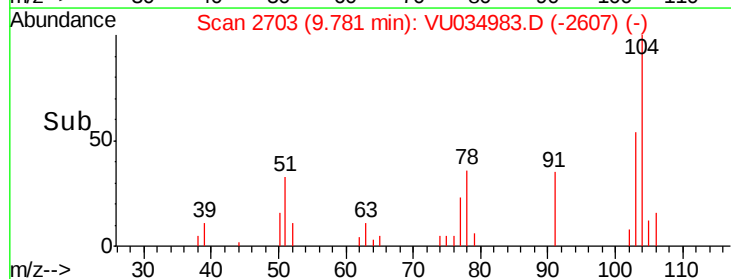
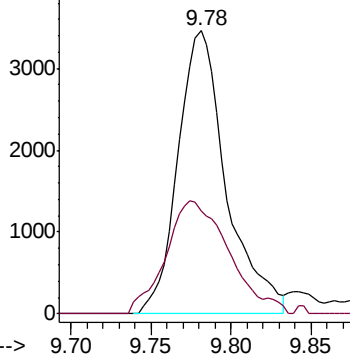


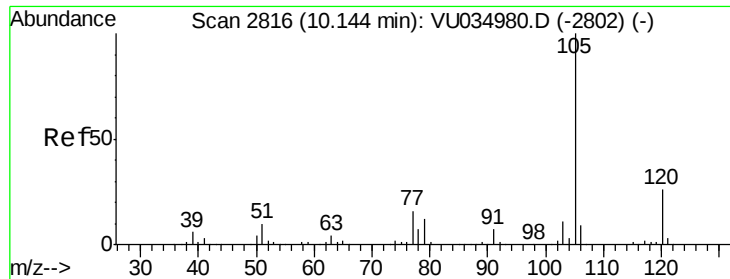
#55
Styrene
Concen: 0.197 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion:104 Resp: 7162
Ion Ratio Lower Upper
104 100
78 36.5 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: 0.218 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

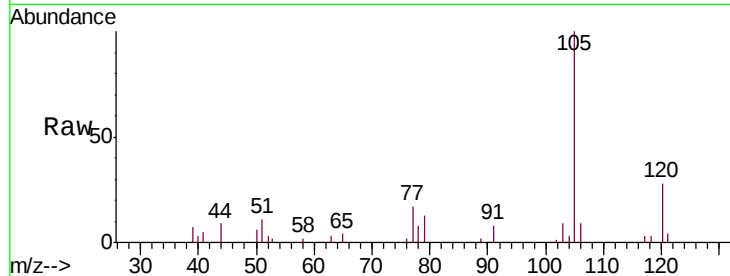
Tgt Ion: 105 Resp: 13011

Ion Ratio Lower Upper

105 100

120 26.5 21.3 31.9

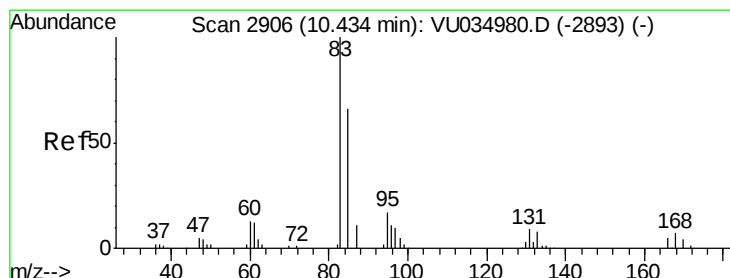
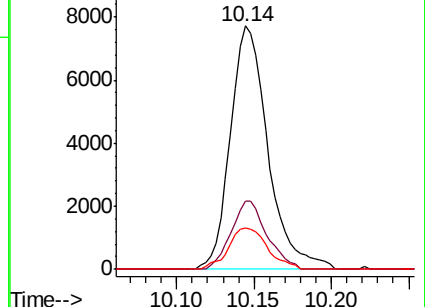
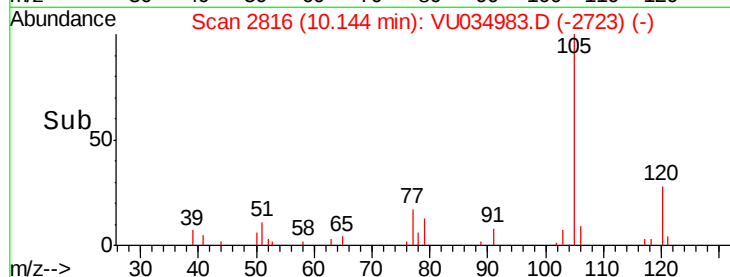
77 17.5 13.0 19.4



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: 0.267 ug/L

RT: 10.44 min Scan# 2908

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

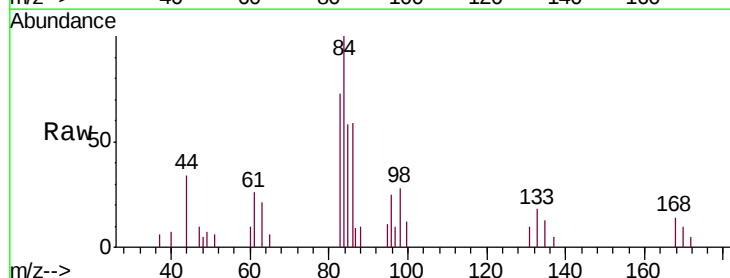
Tgt Ion: 83 Resp: 3500

Ion Ratio Lower Upper

83 100

85 79.6 44.6 82.8

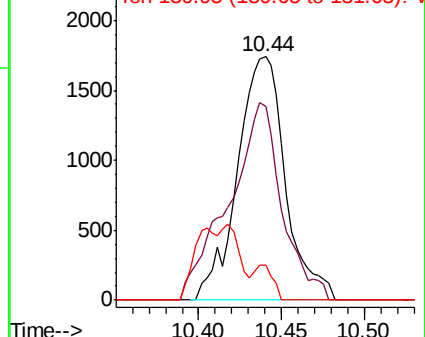
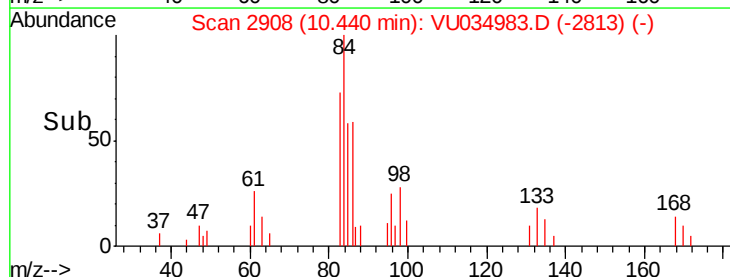
131 14.2 7.4 11.2#

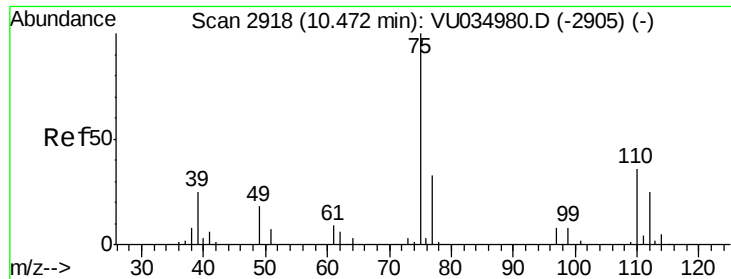


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.233 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

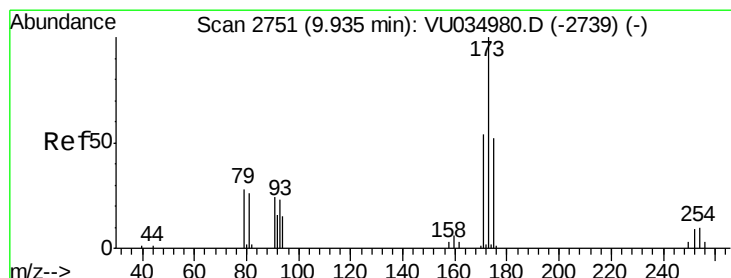
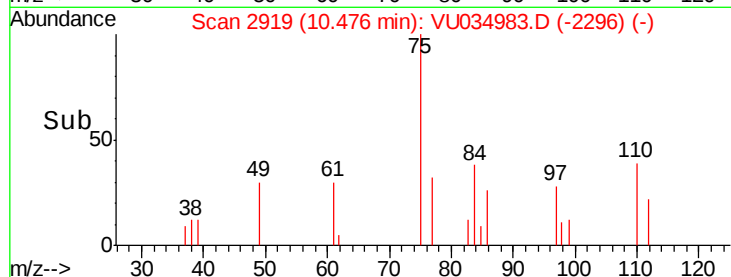
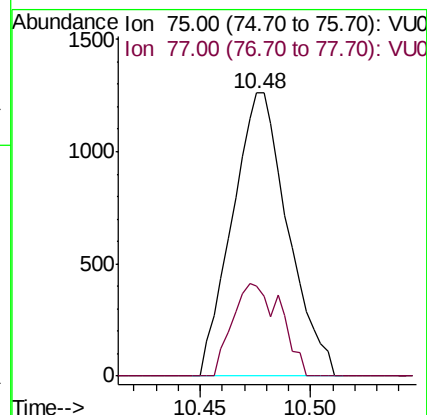
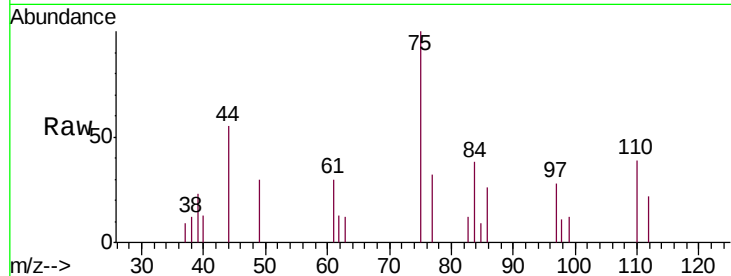
MDL01

Tgt Ion: 75 Resp: 2197

Ion Ratio Lower Upper

75 100

77 28.6 26.5 39.7



#61

Bromoform

Concen: 0.239 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

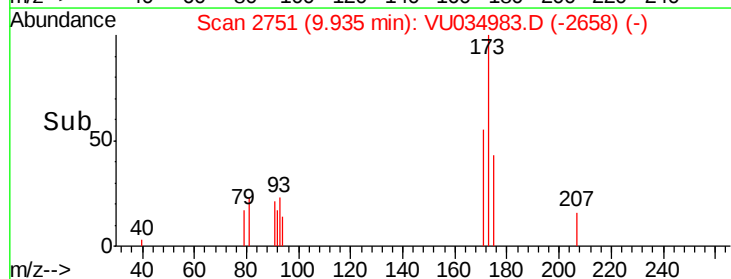
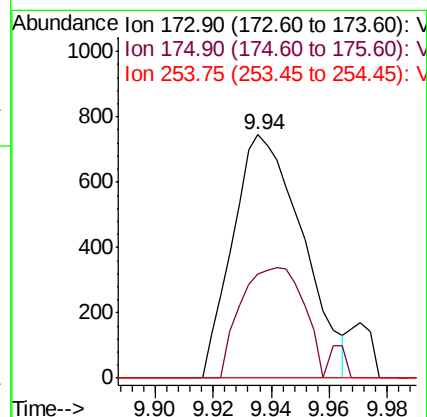
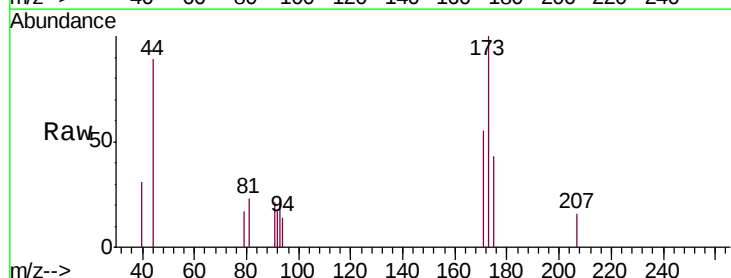
Tgt Ion: 173 Resp: 1244

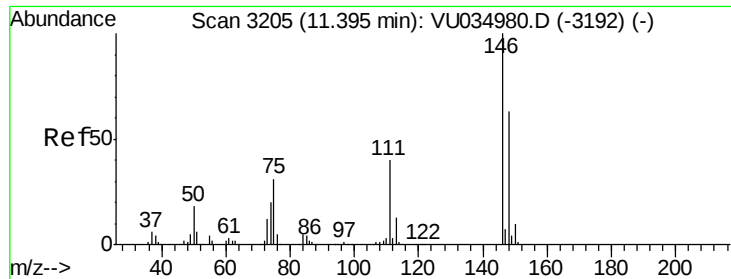
Ion Ratio Lower Upper

173 100

175 40.9 37.2 55.8

254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.264 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

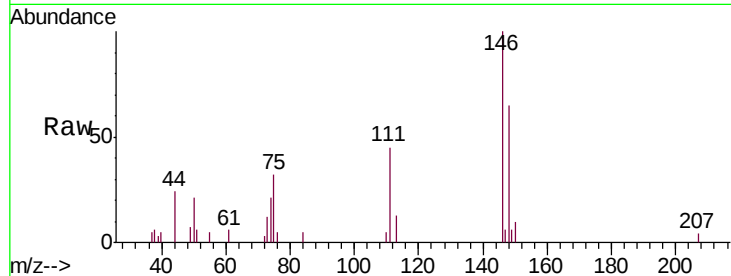
Tgt Ion:146 Resp: 6165

Ion Ratio Lower Upper

146 100

111 44.5 28.6 53.2

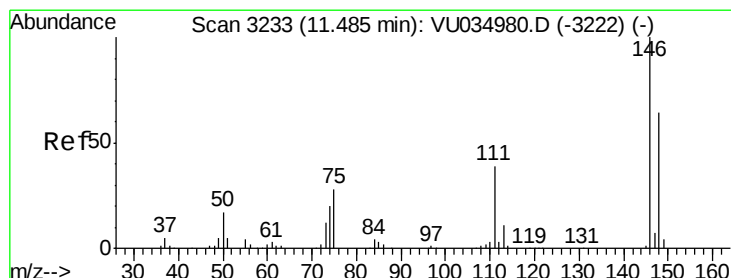
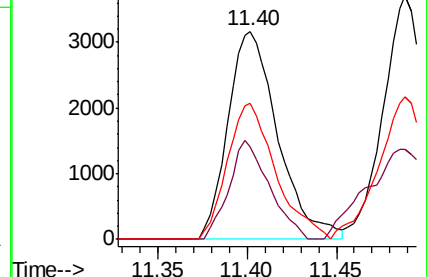
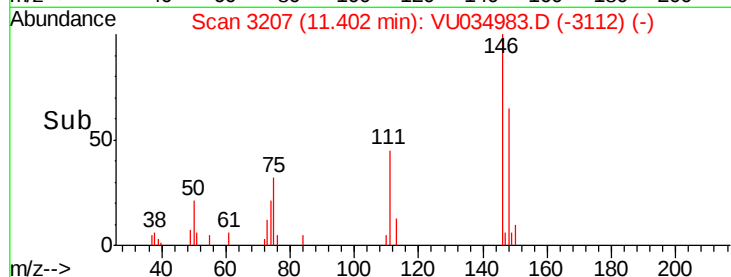
148 65.2 45.0 83.6



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: 0.285 ug/L

RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

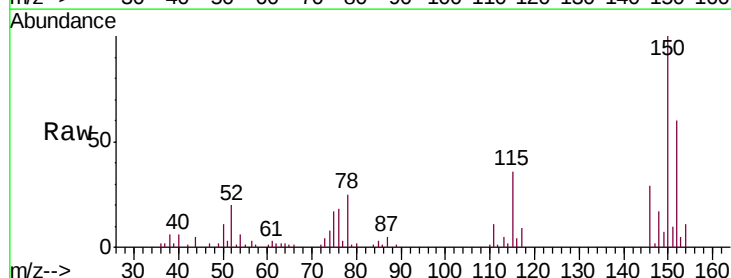
Tgt Ion:146 Resp: 6729

Ion Ratio Lower Upper

146 100

111 36.9 27.9 51.7

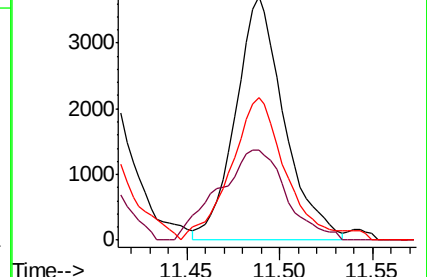
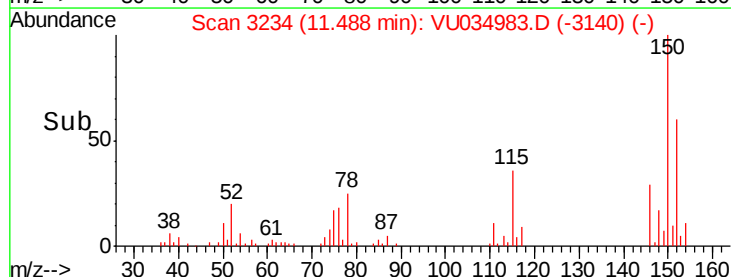
148 58.6 44.1 81.9

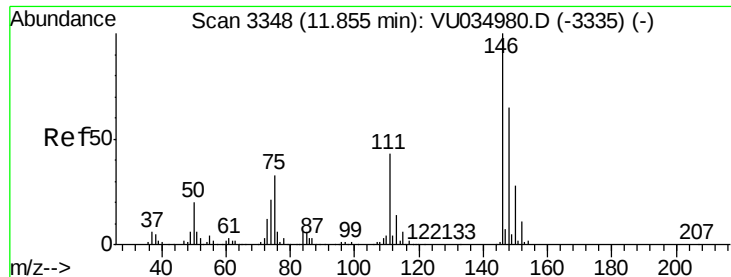


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

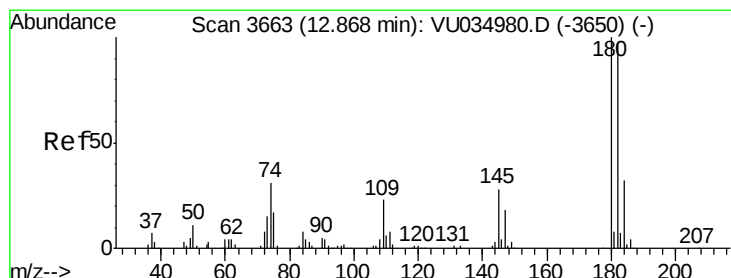
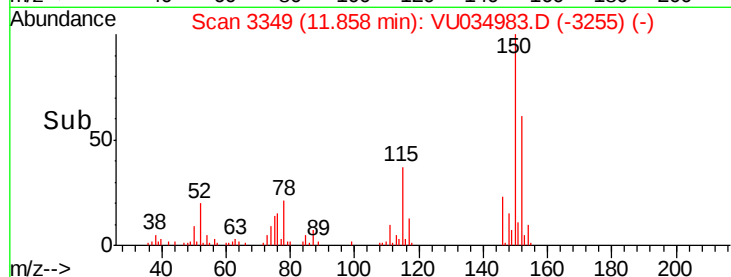
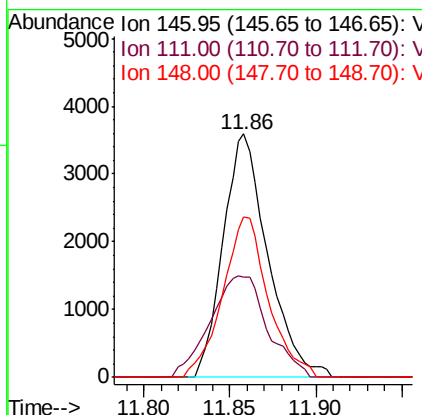
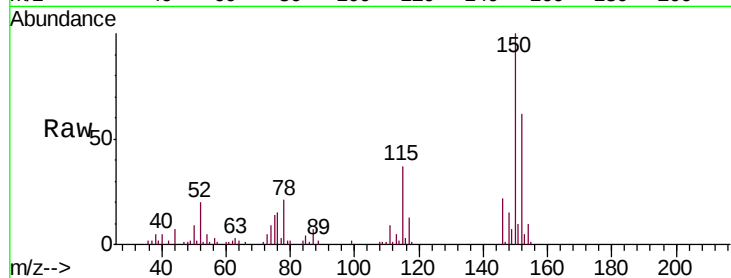




#65
 1,2-Dichlorobenzene
 Concen: 0.287 ug/L
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tgt Ion:146 Resp: 6472
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.2 51.4
 148 65.9 52.0 78.0



#67
 1,3,5-Trichlorobenzene
 Concen: 0.173 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion:180 Resp: 2741
 Ion Ratio Lower Upper
 180 100
 182 108.5 76.0 114.0
 184 30.4 24.2 36.2
 145 25.0 24.6 37.0

