

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\
 Data File : VU035350.D
 Acq On : 22 Oct 2019 08:55
 Operator : JC/SP
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 06:48:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 15:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	264566	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	260250	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	122397	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	72004	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.93	69	69271	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.60	63	146371	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.20%
20) 2-Butanone-d5	4.70	46	251557	54.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.52%
24) Chloroform-d	5.11	84	157360	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.75	65	84852	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.77	84	285242	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.73	67	98562	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.93	98	253365	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	8.21	79	39342	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.68	63	202357	50.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	91980	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	103537	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	125231	5.562	ug/L 99
3) Chloromethane	1.54	50	118280	5.296	ug/L 99
5) Vinyl chloride	1.62	62	129815	5.659	ug/L 94
6) Bromomethane	1.87	94	67524	4.986	ug/L 99
8) Chloroethane	1.95	64	79603	5.382	ug/L 97
9) Trichlorofluoromethane	2.16	101	169070	5.521	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	98032	5.556	ug/L 96
12) 1,1-Dichloroethene	2.61	96	90160	5.305	ug/L 89
13) Acetone	2.67	43	175216	54.335	ug/L 98
14) Carbon disulfide	2.82	76	287599	5.351	ug/L 99
15) Methyl Acetate	3.00	43	41416	5.154	ug/L 98
16) Methylene chloride	3.08	84	103520	5.063	ug/L 99
17) Methyl tert-butyl Ether	3.43	73	233793	5.111	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	97023	5.289	ug/L 92
19) 1,1-Dichloroethane	3.92	63	191103	5.761	ug/L 100
21) 2-Butanone	4.78	43	265707	50.554	ug/L 98
22) cis-1,2-Dichloroethene	4.72	96	111478	5.498	ug/L 98

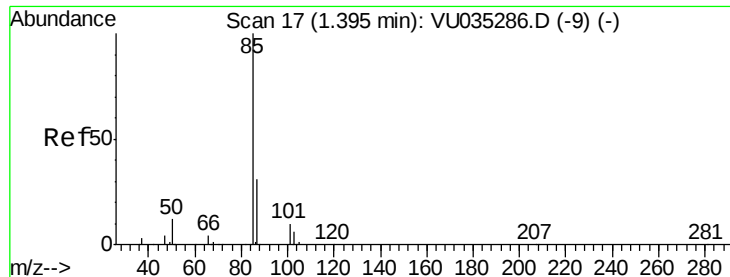
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102219\
 Data File : VU035350.D
 Acq On : 22 Oct 2019 08:55
 Operator : JC/SP
 Sample : VSTDCCC005
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 23 06:48:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 15:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.03	128	48897	5.603	ug/L	97
25) Chloroform	5.14	83	197331	5.422	ug/L	98
27) 1,2-Dichloroethane	5.84	62	122074	5.469	ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	162787	5.340	ug/L	99
30) Cyclohexane	5.43	56	158600	4.858	ug/L	99
31) Carbon tetrachloride	5.57	117	142882	5.205	ug/L	99
33) Benzene	5.82	78	412196	5.383	ug/L	100
34) Trichloroethene	6.58	95	106512	5.174	ug/L	96
35) Methylcyclohexane	6.80	83	164626	4.785	ug/L	99
37) 1,2-Dichloropropane	6.83	63	107385	5.524	ug/L	100
38) Bromodichloromethane	7.14	83	139426	5.324	ug/L	97
39) cis-1,3-Dichloropropene	7.65	75	158452	4.870	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	655026	49.915	ug/L	99
42) Toluene	8.01	91	446275	5.280	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	128952	4.849	ug/L	97
45) 1,1,2-Trichloroethane	8.44	97	76098	5.273	ug/L	93
47) Tetrachloroethene	8.58	164	87128	5.080	ug/L	98
48) 2-Hexanone	8.73	43	474263	51.533	ug/L	97
49) Dibromochloromethane	8.84	129	94381	5.158	ug/L	99
50) 1,2-Dibromoethane	8.96	107	75041	5.202	ug/L	98
51) Chlorobenzene	9.48	112	280232	5.135	ug/L	99
52) Ethylbenzene	9.60	91	488259	5.080	ug/L	100
53) m,p-Xylene	9.72	106	180098	4.962	ug/L	98
54) o-Xylene	10.13	106	176526	4.983	ug/L	98
55) Styrene	10.14	104	293689	5.092	ug/L	98
56) Isopropylbenzene	10.51	105	471014	4.943	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	102978	5.545	ug/L	96
59) 1,2,3-Trichloropropane	10.85	75	71316	5.266	ug/L	99
61) Bromoform	10.32	173	54637	4.819	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	220299	5.275	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	213667	5.203	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	208376	5.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	13071	4.716	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	134507	5.197	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	83457	4.844	ug/L	99
69) Naphthalene	14.11	128	100913	4.267	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	81858	5.081	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.562 ug/L

RT: 1.40 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

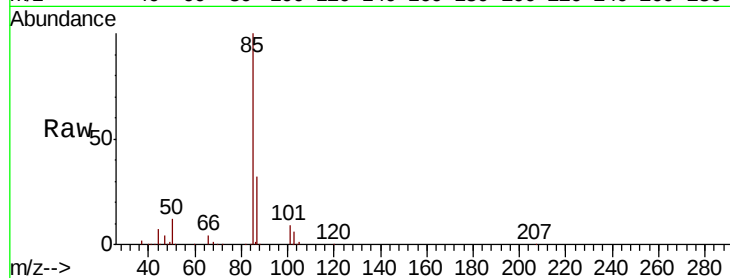
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 125231

Ion Ratio Lower Upper

85 100

87 32.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035286.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035286.D (-9) (-)

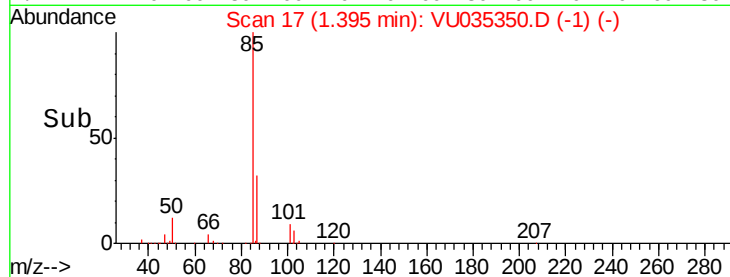
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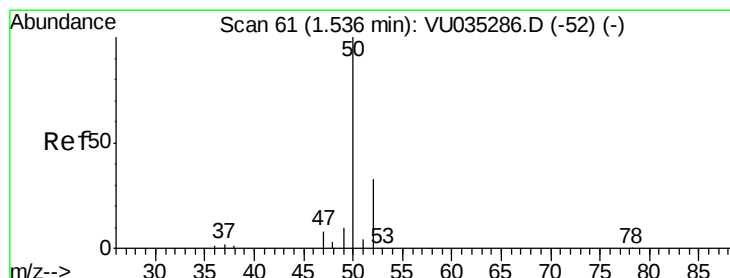
50000

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Time-->



Time-->



#3

Chloromethane

Concen: 5.296 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035350.D

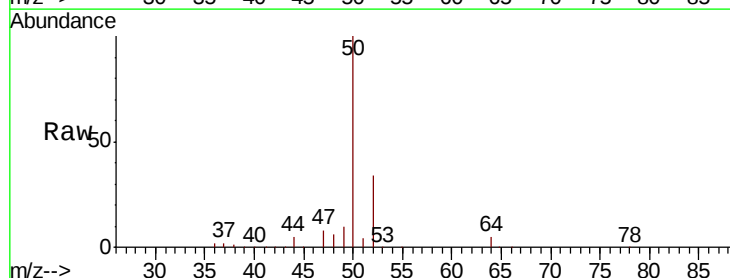
Acq: 22 Oct 2019 08:55

Tgt Ion: 50 Resp: 118280

Ion Ratio Lower Upper

50 100

52 33.9 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035286.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU035286.D (-52) (-)

1.54

120000

100000

80000

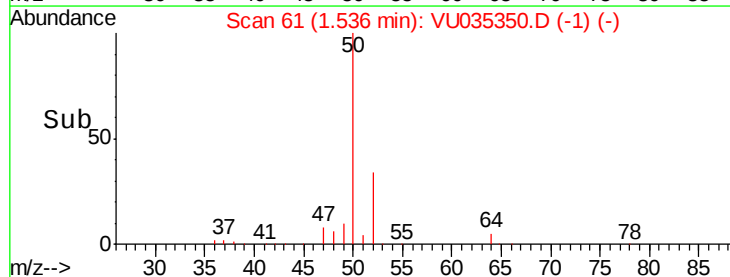
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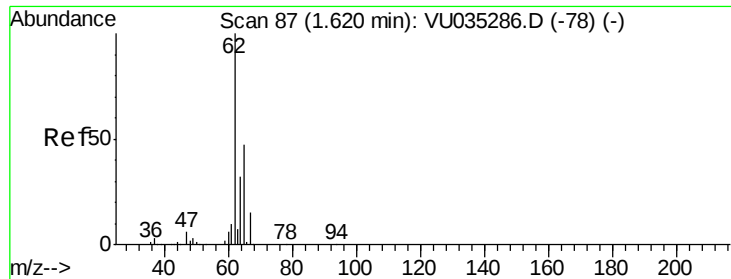
20000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 5.659 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

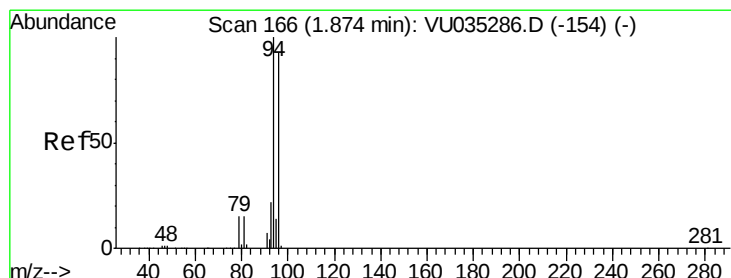
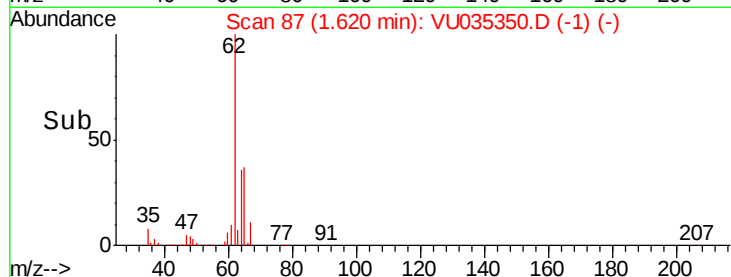
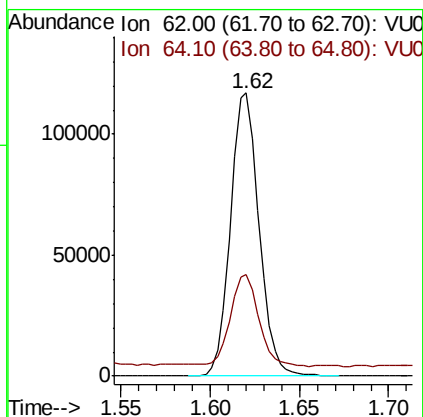
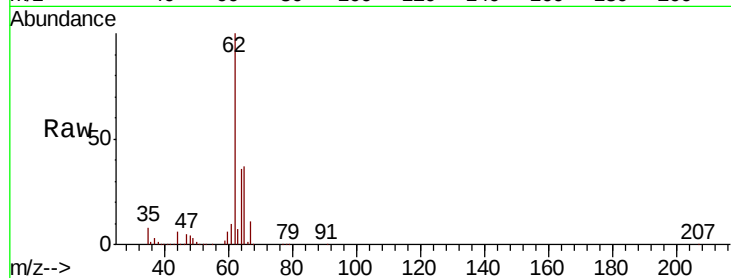
ClientSampleId :

Tot Ion: 62 Resp: 129815

Ion Ratio Lower Upper

62 100

64 36.0 22.9 42.5



#6

Bromomethane

Concen: 4.986 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035350.D

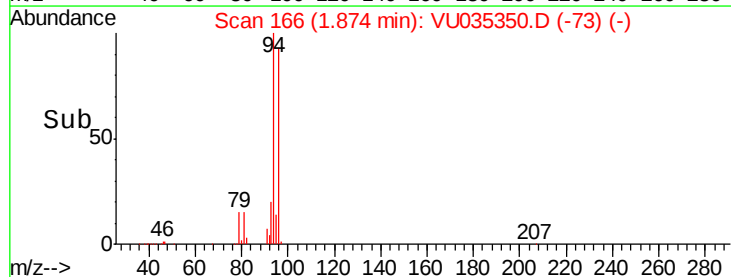
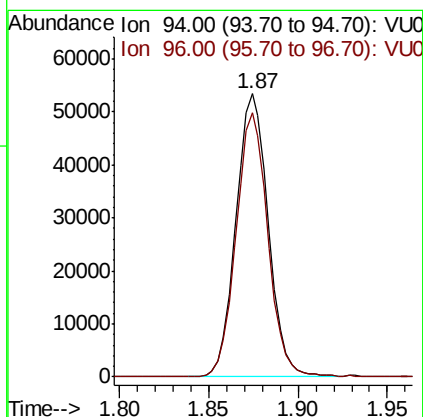
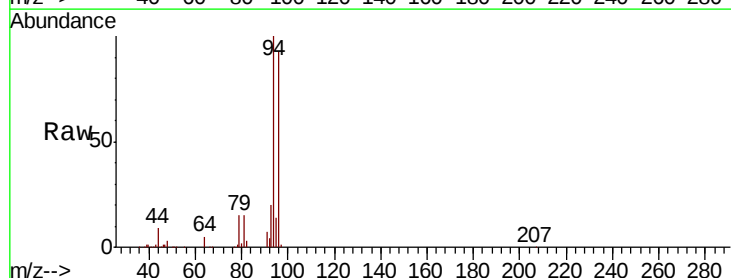
Acq: 22 Oct 2019 08:55

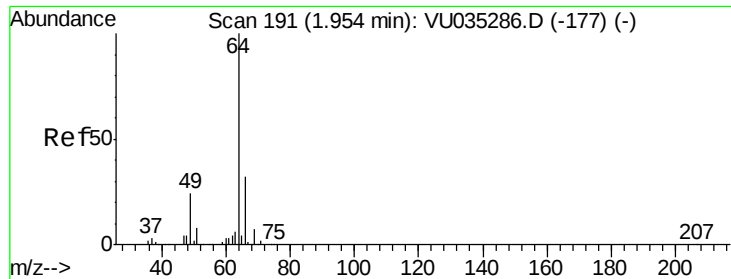
Tgt Ion: 94 Resp: 67524

Ion Ratio Lower Upper

94 100

96 93.4 64.6 120.0

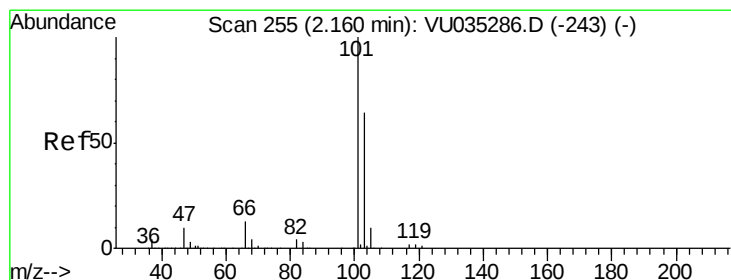
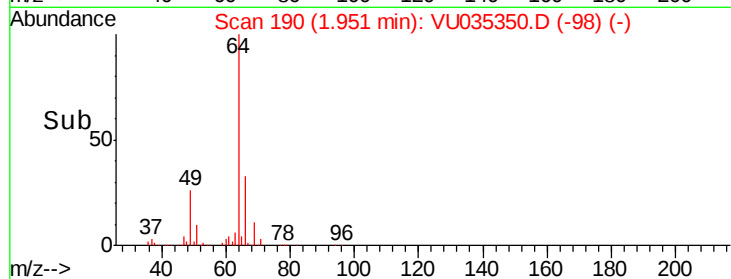
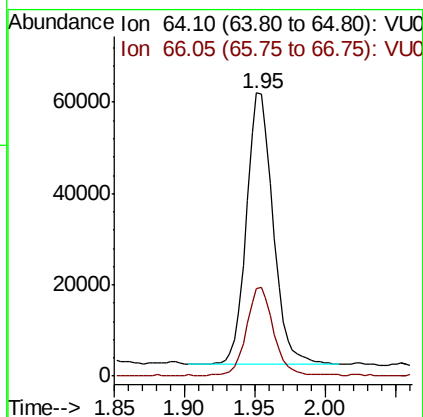
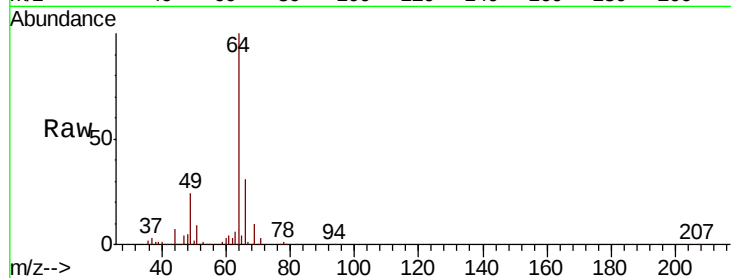




#8
 Chloroethane
 Concen: 5.382 ug/L
 RT: 1.95 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

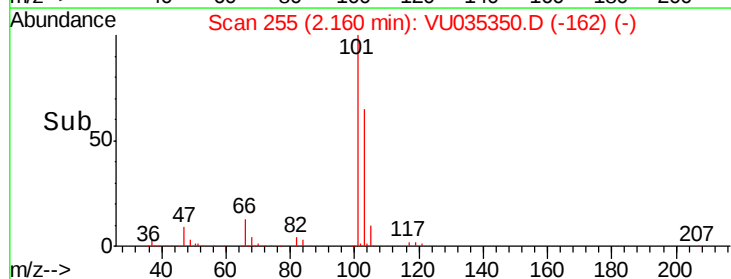
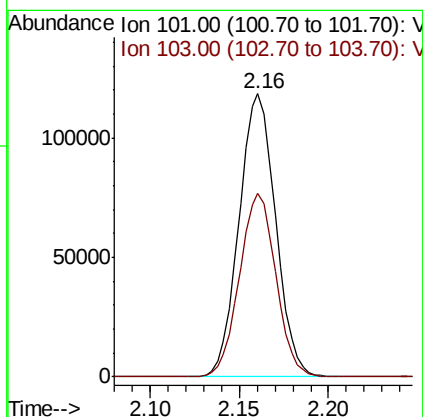
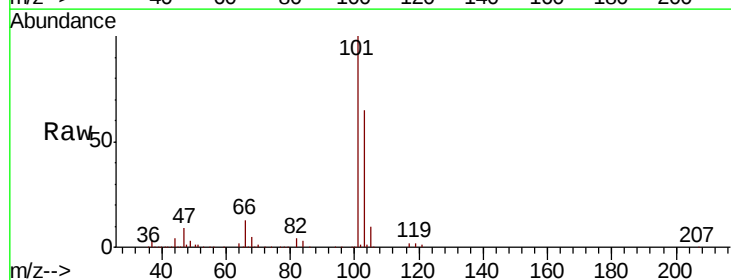
Instrument :
 MSVOA_U
 ClientSampleId :

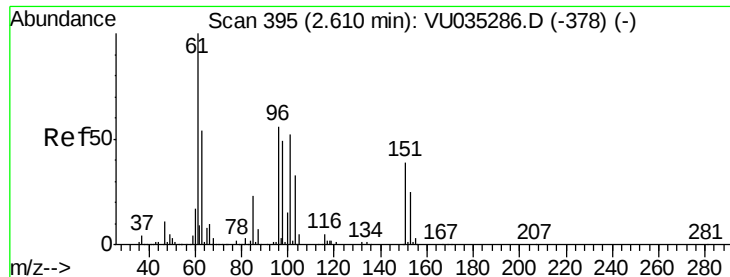
Tot Ion: 64 Resp: 79603
 Ion Ratio Lower Upper
 64 100
 66 30.9 22.7 42.1



#9
 Trichlorofluoromethane
 Concen: 5.521 ug/L
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion:101 Resp: 169070
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.9 77.9





#10

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

Concen: 5.556 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

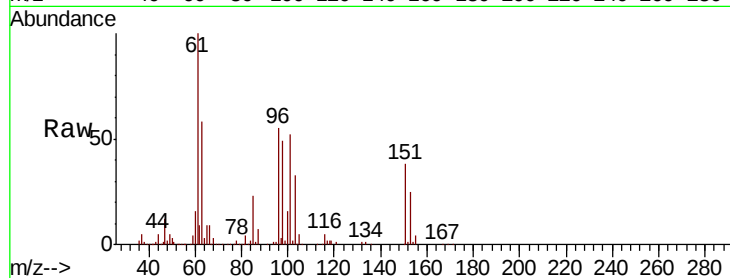
Tot Ion:101 Resp: 98032

Ion Ratio Lower Upper

101 100

85 43.5 33.9 50.9

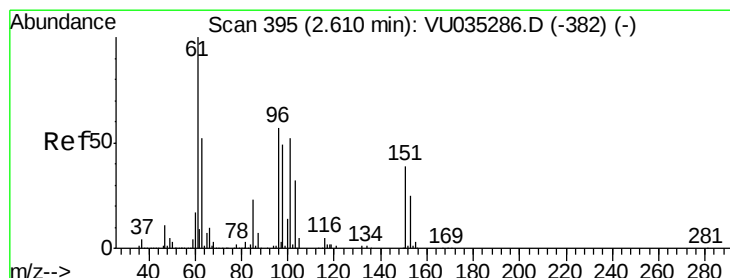
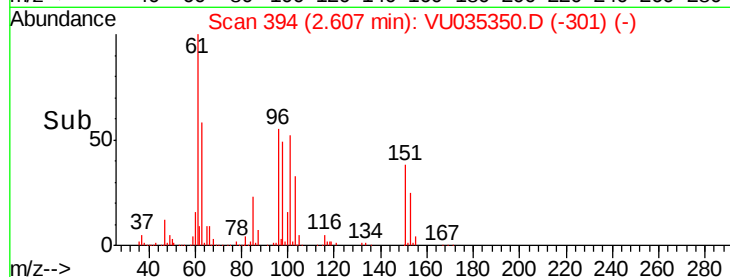
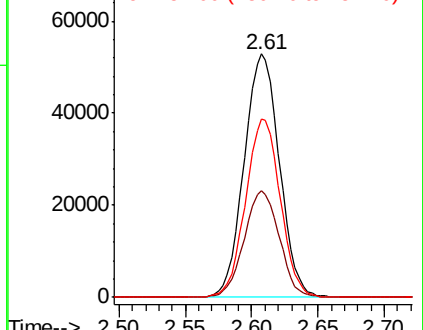
151 72.0 61.0 91.4



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: 5.305 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

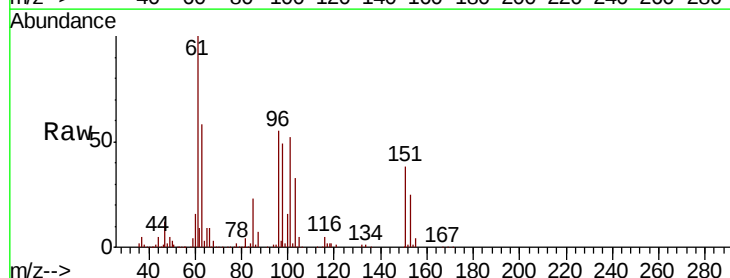
Tgt Ion: 96 Resp: 90160

Ion Ratio Lower Upper

96 100

61 182.4 120.6 224.0

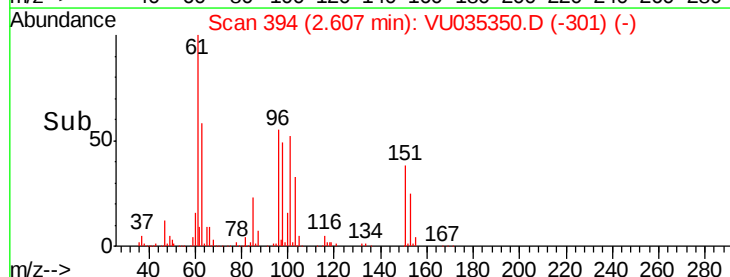
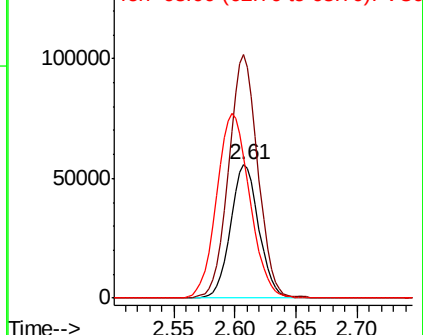
63 106.2 86.8 161.2

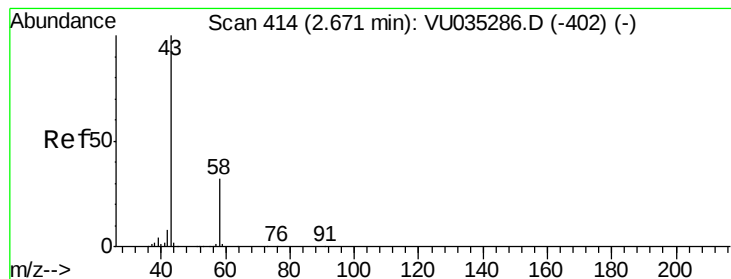


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.335 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

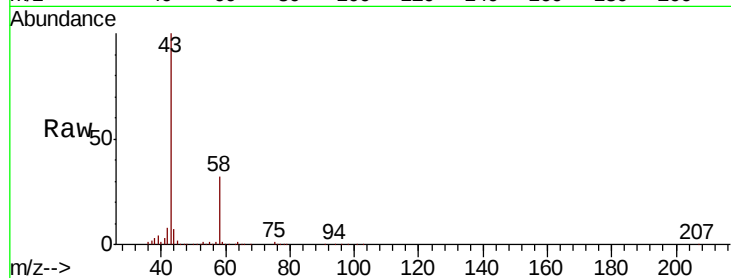
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 175216

Ion Ratio Lower Upper

43 100

58 31.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035286.D (-402) (-)

Ion 58.05 (57.75 to 58.75): VU035286.D (-402) (-)

2.67

100000

80000

60000

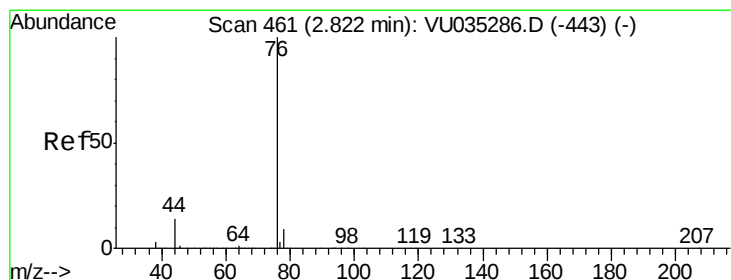
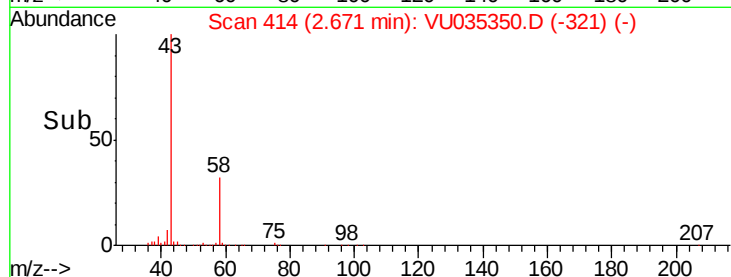
40000

20000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 5.351 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035350.D

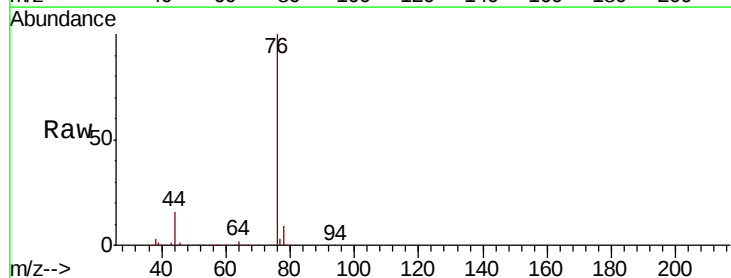
Acq: 22 Oct 2019 08:55

Tgt Ion: 76 Resp: 287599

Ion Ratio Lower Upper

76 100

78 9.1 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035286.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU035286.D (-443) (-)

2.82

150000

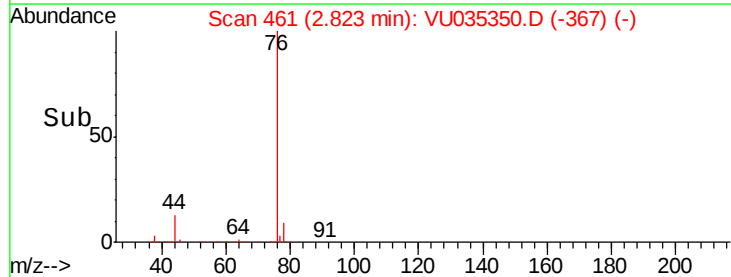
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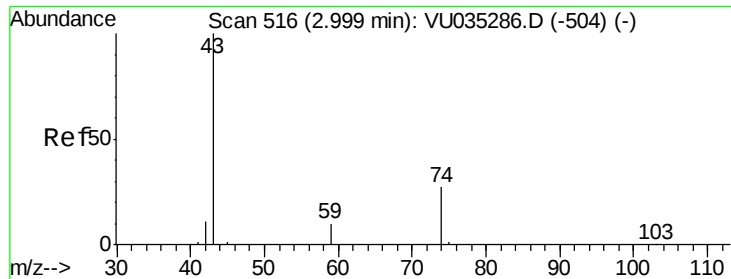
50000

0

2.75 2.80 2.85 2.90

Time-->





#15

Methyl Acetate

Concen: 5.154 ug/L

RT: 3.00 min Scan# 516

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

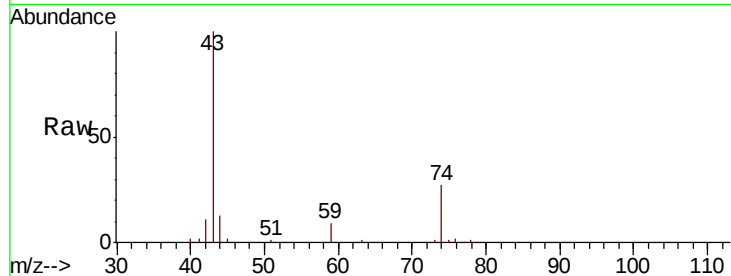
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 41416

Ion Ratio Lower Upper

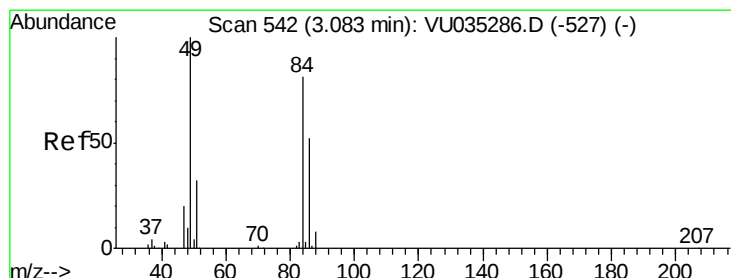
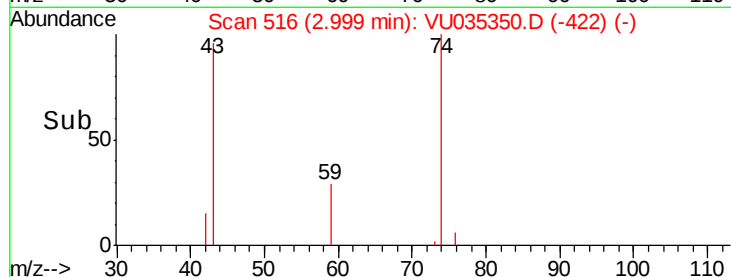
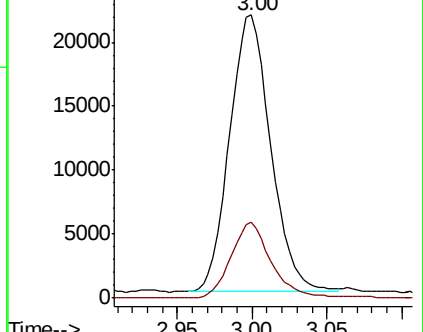
43 100

74 26.6 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VU035286.D (-504) (-)

Ion 74.05 (73.75 to 74.75): VU035286.D (-504) (-)



#16

Methylene chloride

Concen: 5.063 ug/L

RT: 3.08 min Scan# 542

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

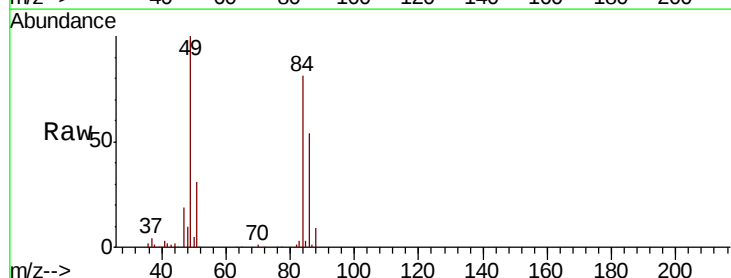
Tgt Ion: 84 Resp: 103520

Ion Ratio Lower Upper

84 100

86 67.2 45.4 84.2

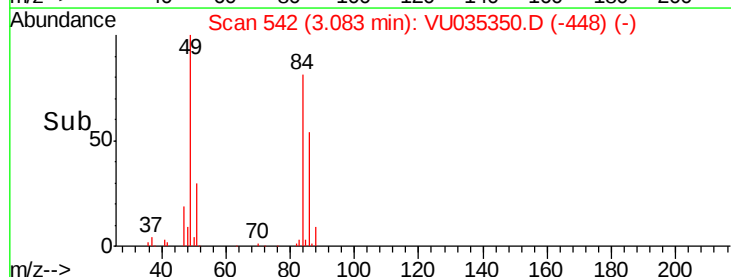
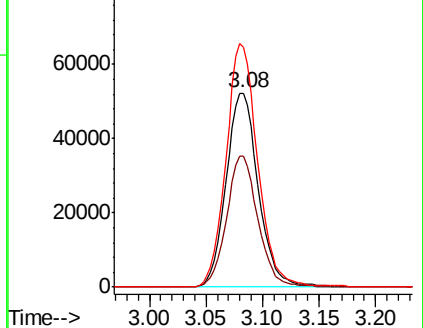
49 123.5 86.8 161.2

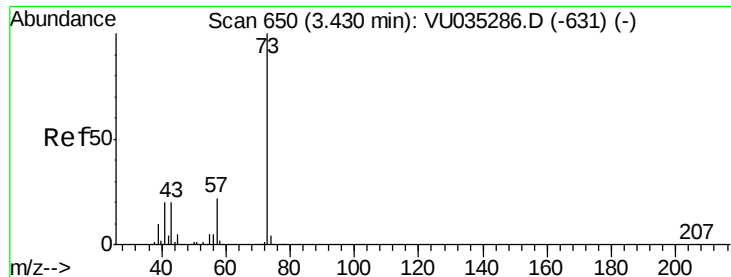


Abundance Ion 84.05 (83.75 to 84.75): VU035286.D (-527) (-)

Ion 86.00 (85.70 to 86.70): VU035286.D (-527) (-)

Ion 49.10 (48.80 to 49.80): VU035286.D (-527) (-)

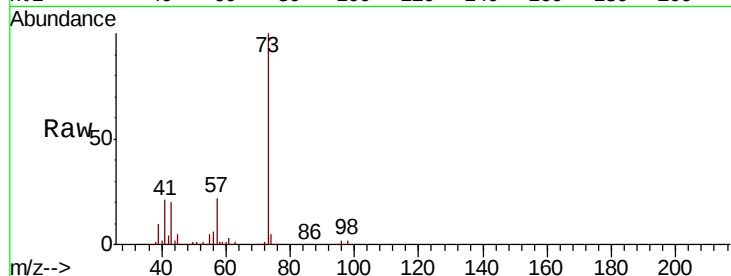




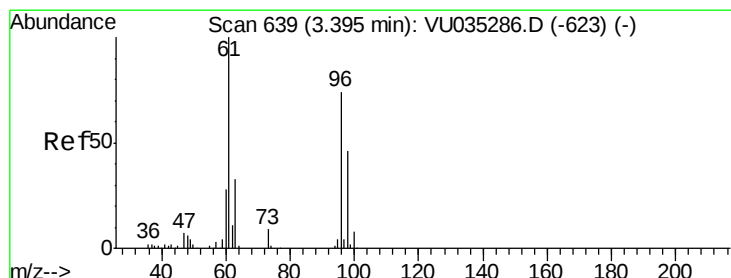
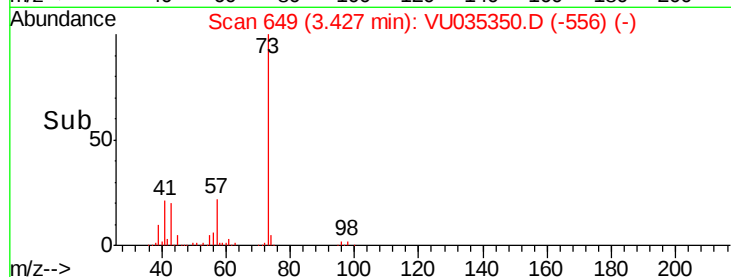
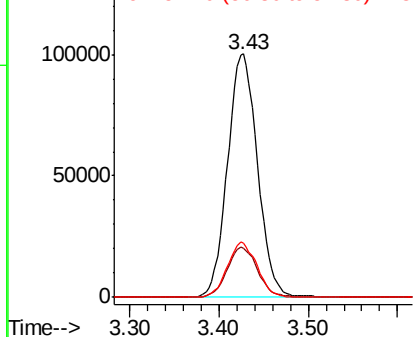
#17
Methvl tert-butvl Ether
Concen: 5.111 ug/L
RT: 3.43 min Scan# 649
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.6	16.0	24.0
57	22.4	17.4	26.2

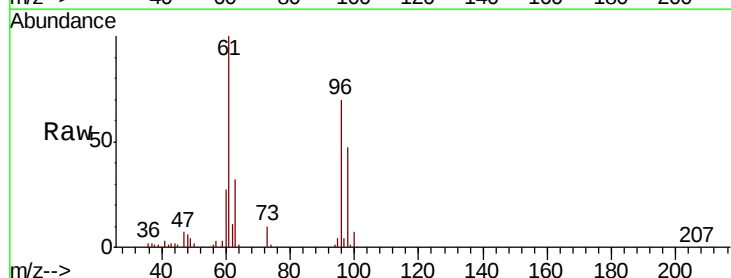


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

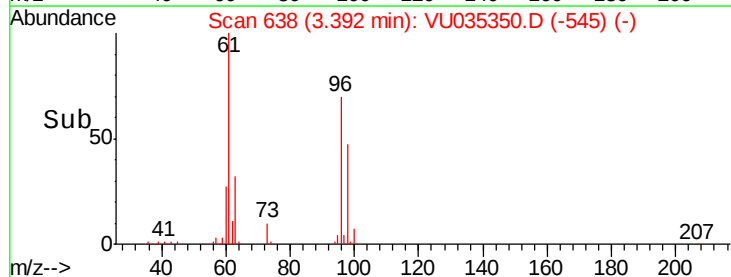
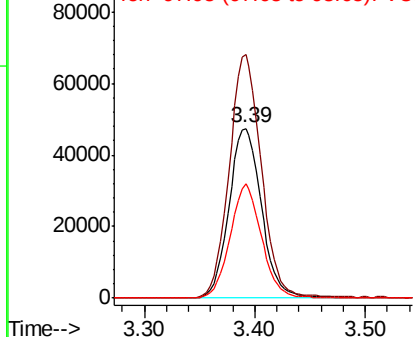


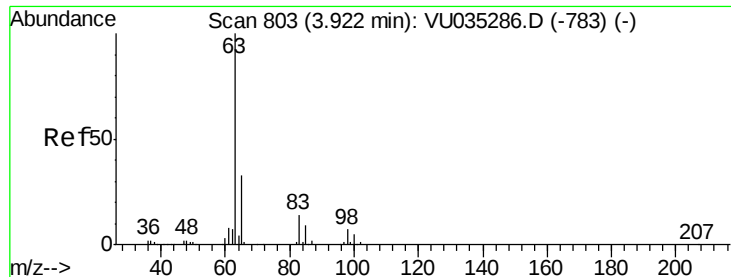
#18
trans-1,2-Dichloroethene
Concen: 5.289 ug/L
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.4	93.0	172.6
98	67.5	43.7	81.1



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

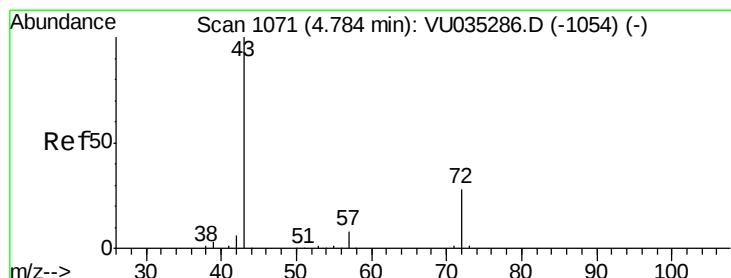
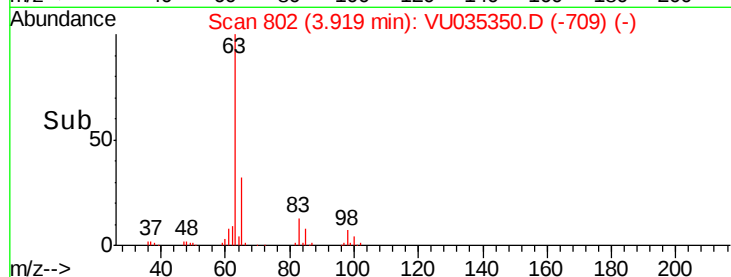
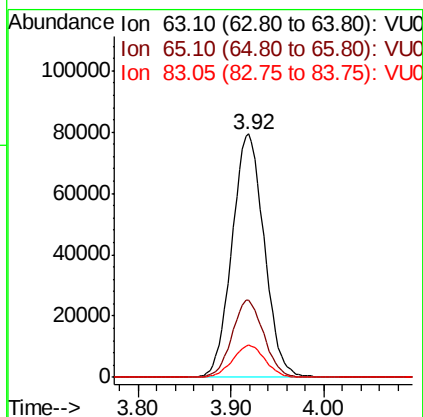
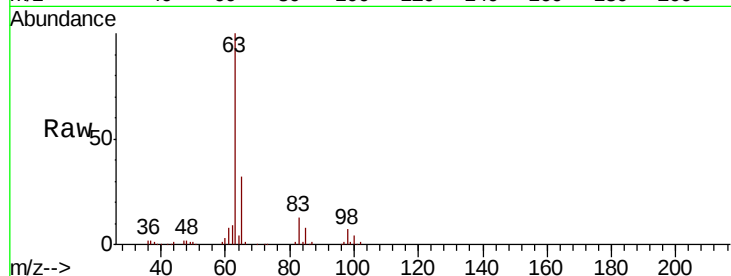




#19
 1,1-Dichloroethane
 Concen: 5.761 ug/L
 RT: 3.92 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

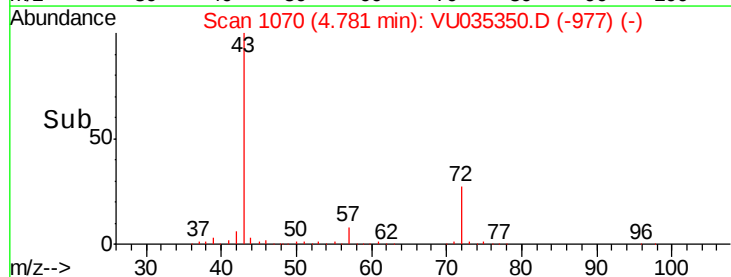
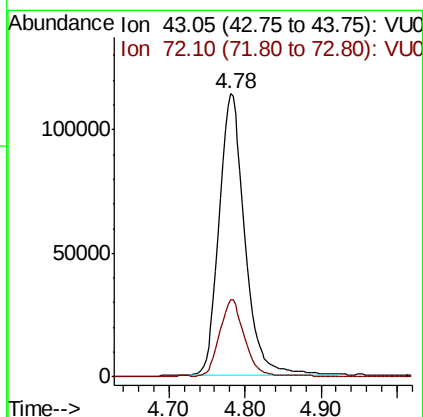
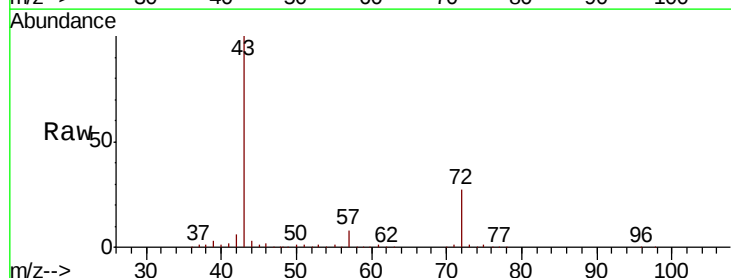
Instrument :
 MSVOA_U
 ClientSampleId :

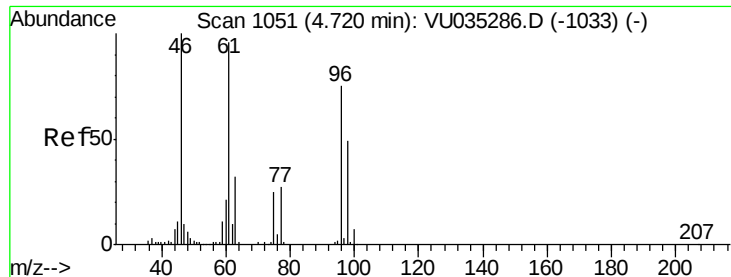
Tot Ion: 63 Resp: 191103
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.4 41.6
 83 13.2 9.3 17.3



#21
 2-Butanone
 Concen: 50.554 ug/L
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion: 43 Resp: 265707
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 5.498 ug/L

RT: 4.72 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :

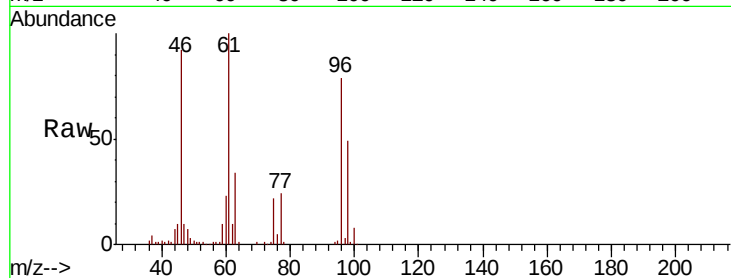
Tot Ion: 96 Resp: 111478

Ion Ratio Lower Upper

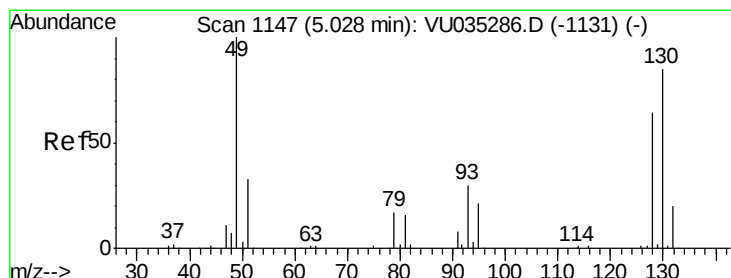
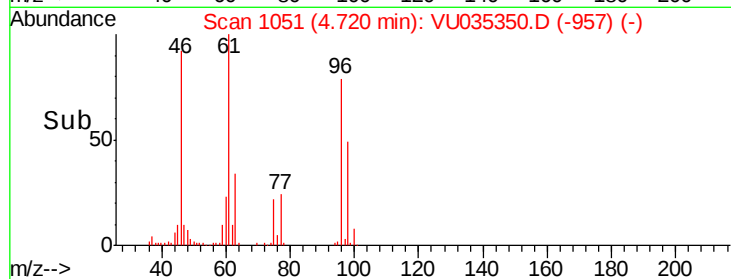
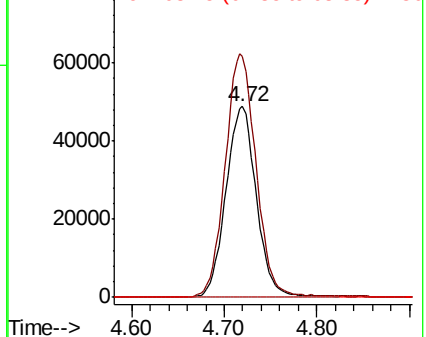
96 100

61 126.0 89.7 166.5

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: 5.603 ug/L

RT: 5.03 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Tgt Ion: 128 Resp: 48897

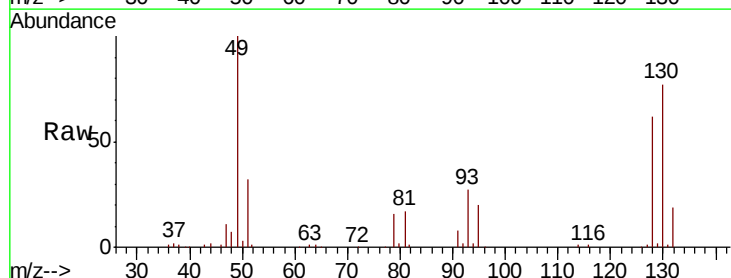
Ion Ratio Lower Upper

128 100

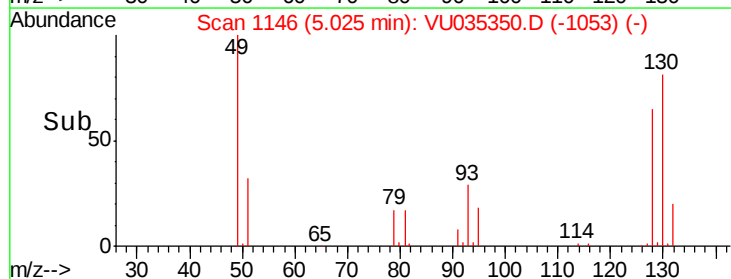
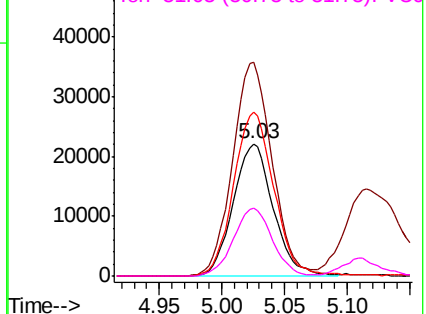
49 161.6 109.3 203.1

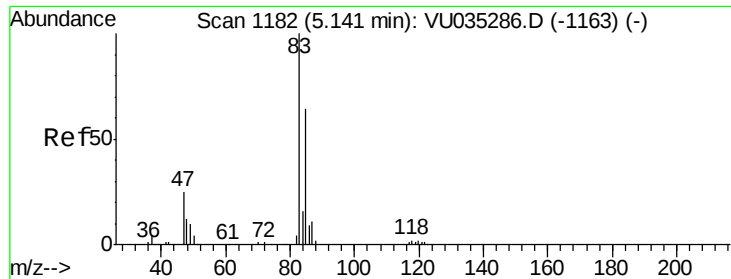
130 124.3 88.7 164.7

51 51.3 39.2 58.8



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

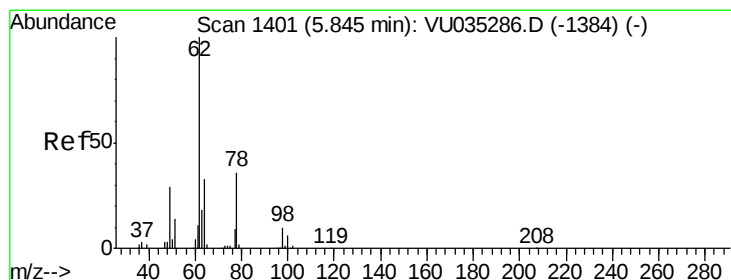
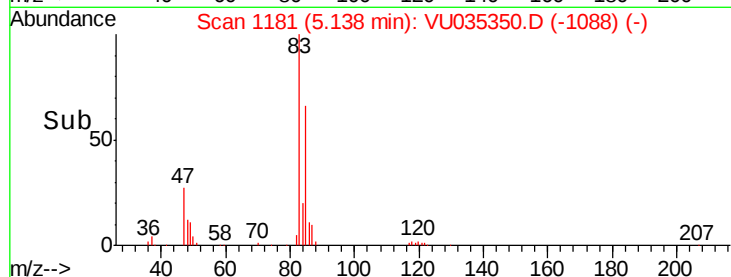
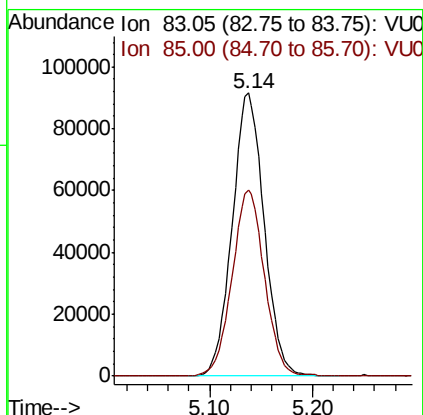
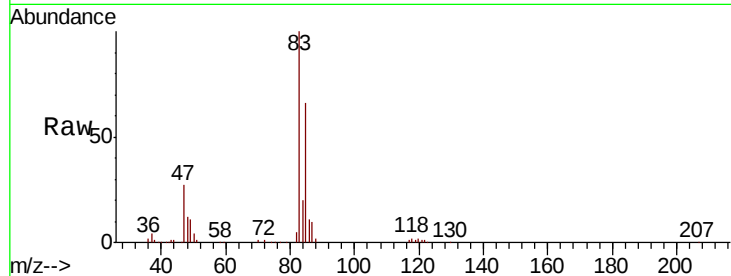




#25
Chloroform
Concen: 5.422 ug/L
RT: 5.14 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

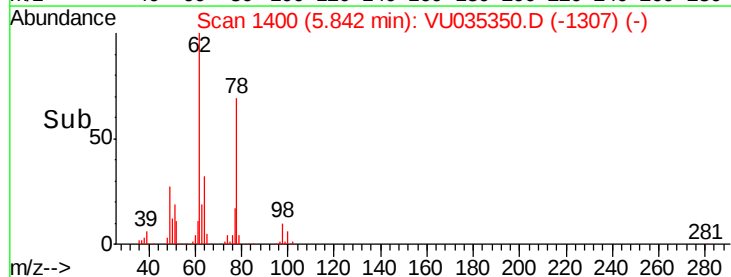
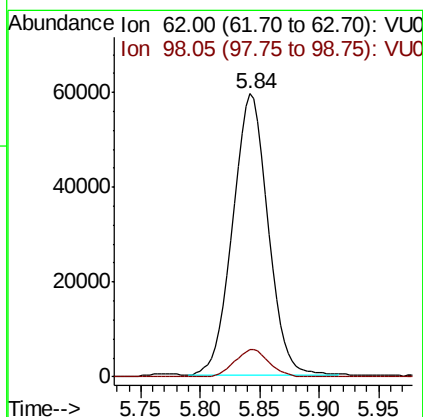
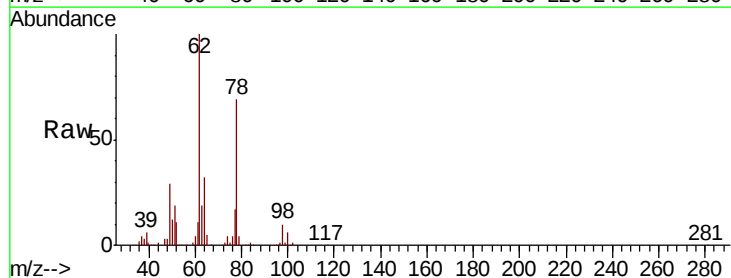
Instrument :
MSVOA_U
ClientSampled :

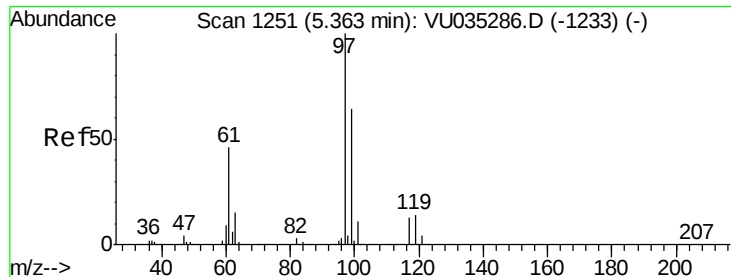
Tot Ion: 83 Resp: 197331
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 5.469 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Tgt Ion: 62 Resp: 122074
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6

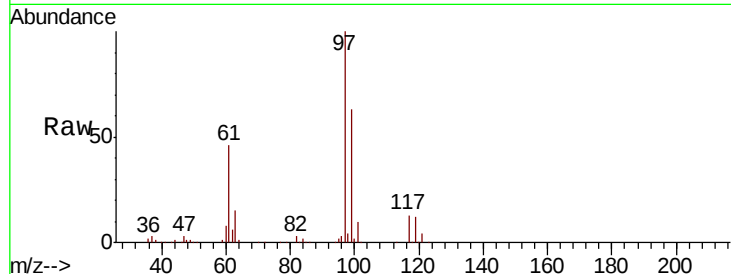




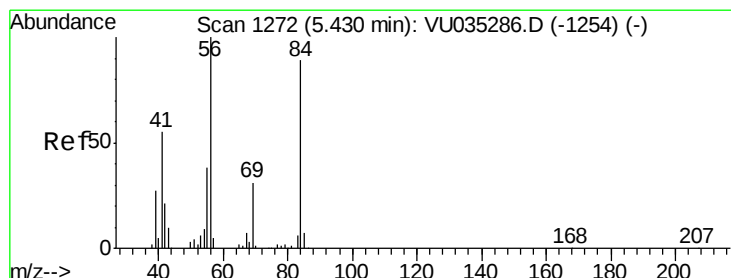
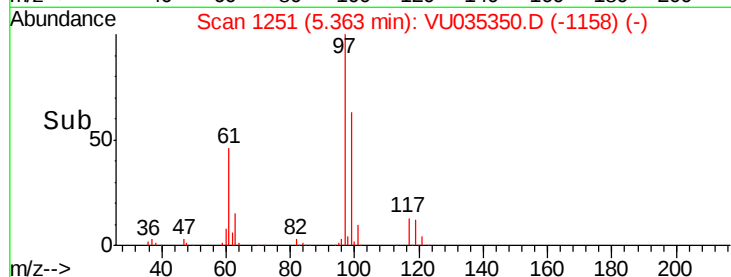
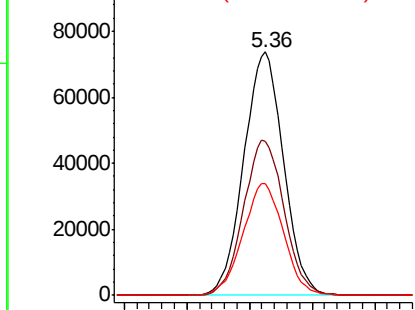
#29
 1,1,1-Trichloroethane
 Concen: 5.340 ug/L
 RT: 5.36 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	97	Resp	162787
Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.6	79.0
61	47.1	37.0	55.4

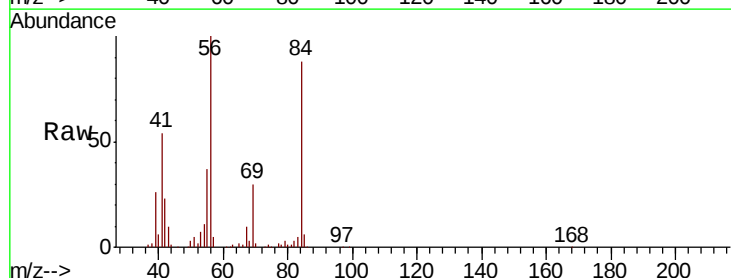


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

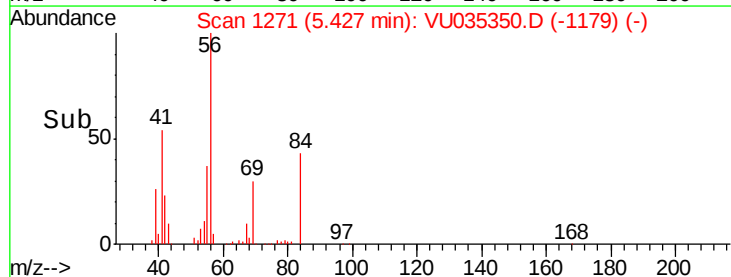
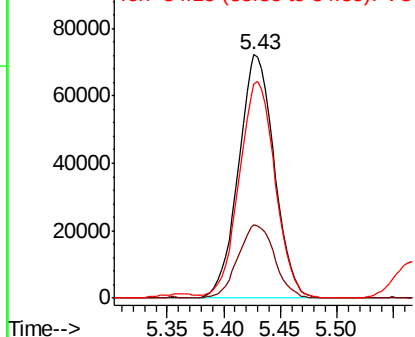


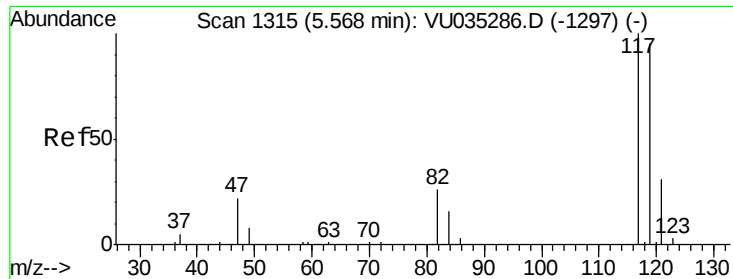
#30
 Cyclohexane
 Concen: 4.858 ug/L
 RT: 5.43 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion	56	Resp	158600
Ion	Ratio	Lower	Upper
56	100		
69	31.0	24.6	36.8
84	89.9	71.5	107.3



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

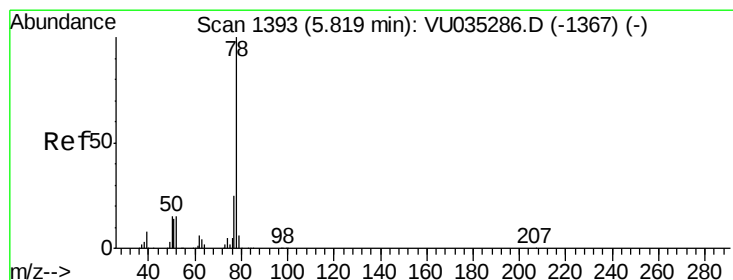
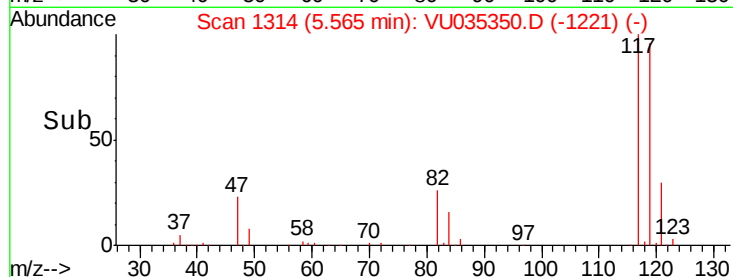
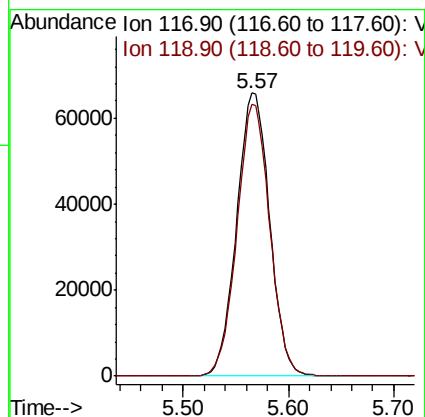
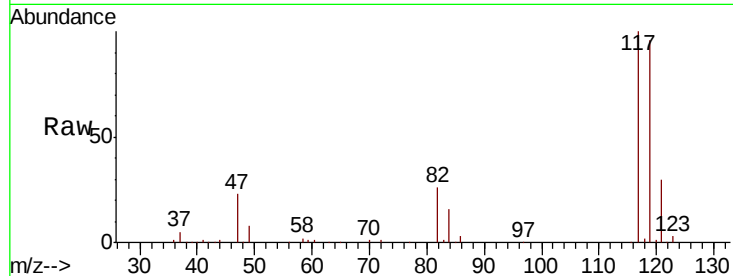




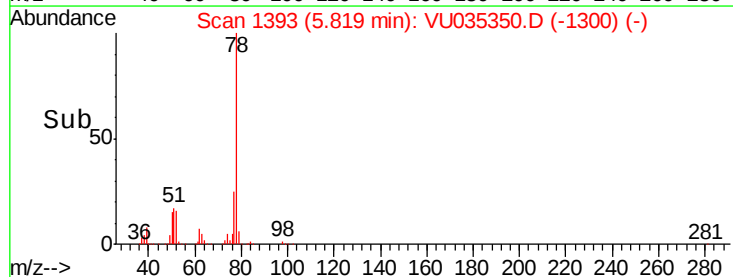
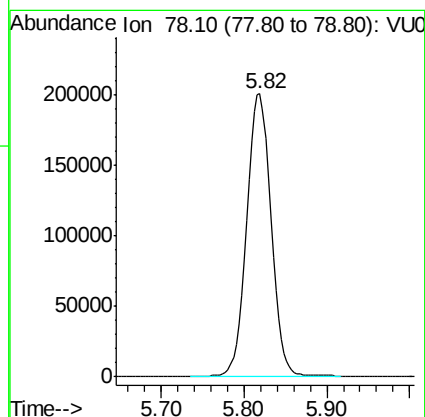
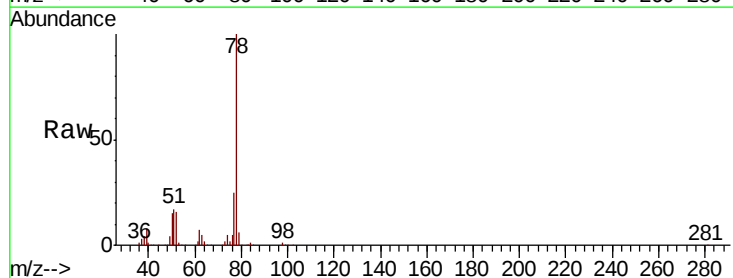
#31
Carbon tetrachloride
Concen: 5.205 ug/L
RT: 5.57 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

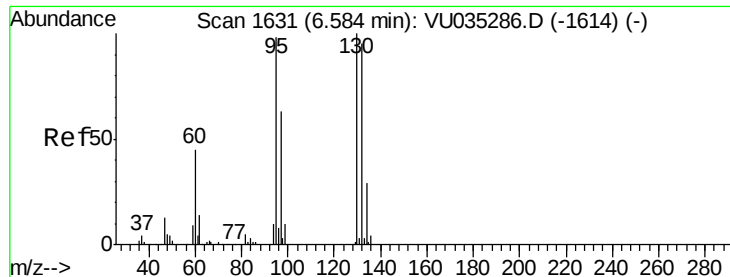
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 142882
Ion Ratio Lower Upper
117 100
119 95.4 77.4 116.0



#33
Benzene
Concen: 5.383 ug/L
RT: 5.82 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55
Tgt Ion: 78 Resp: 412196





#34

Trichloroethene

Concen: 5.174 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 106512

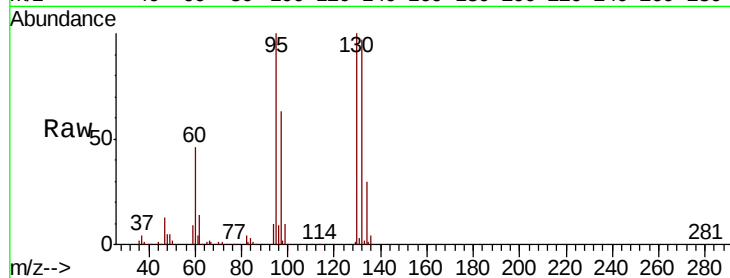
Ion Ratio Lower Upper

95 100

97 62.8 46.6 86.6

132 97.0 68.7 127.7

130 100.4 73.9 137.3

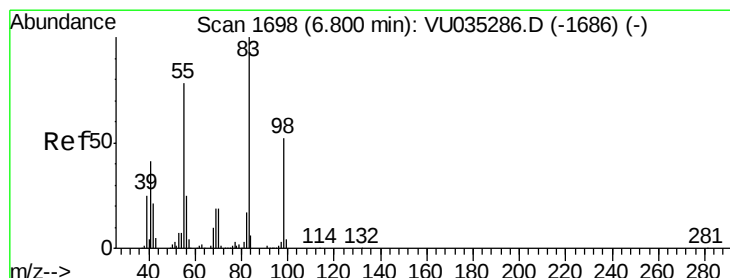
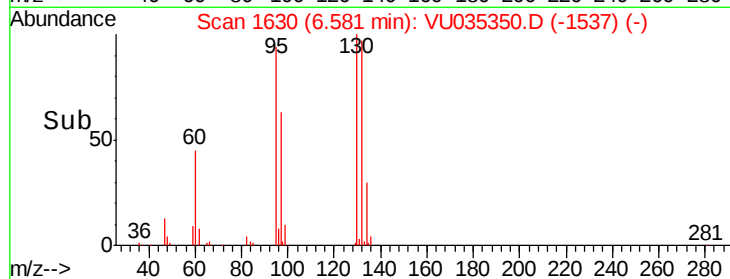
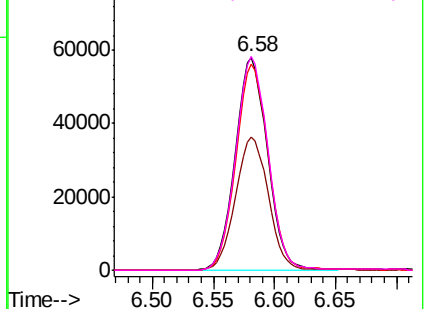


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.785 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

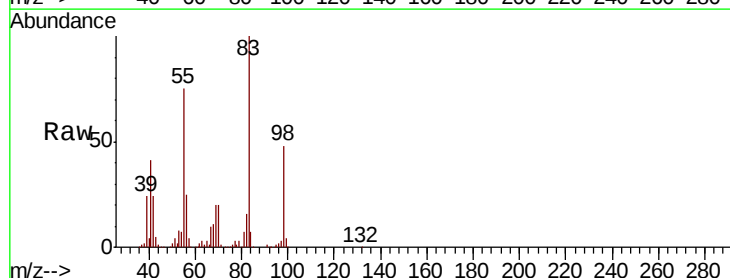
Tgt Ion: 83 Resp: 164626

Ion Ratio Lower Upper

83 100

55 75.9 60.4 90.6

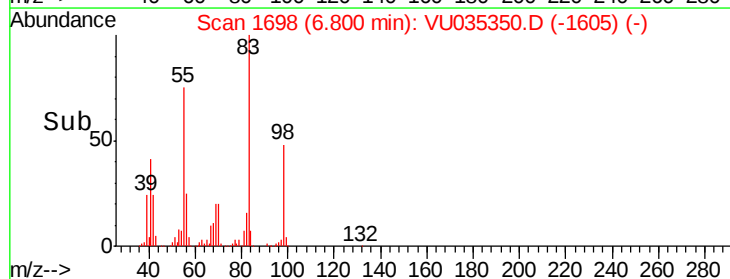
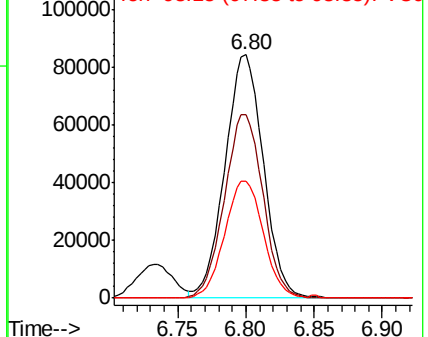
98 48.5 39.5 59.3

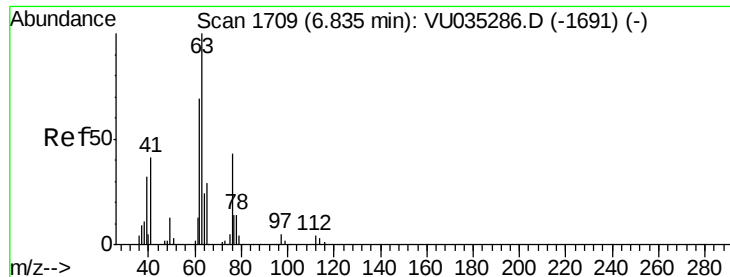


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

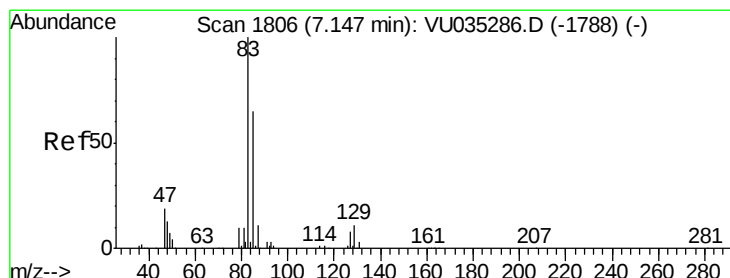
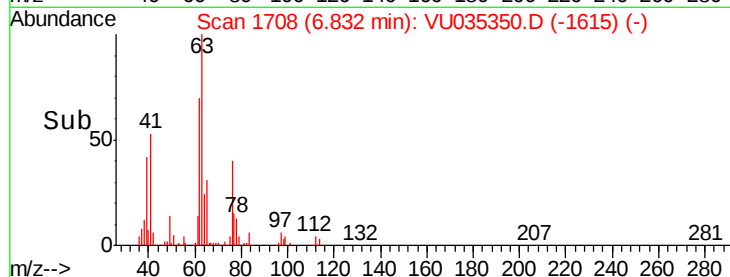
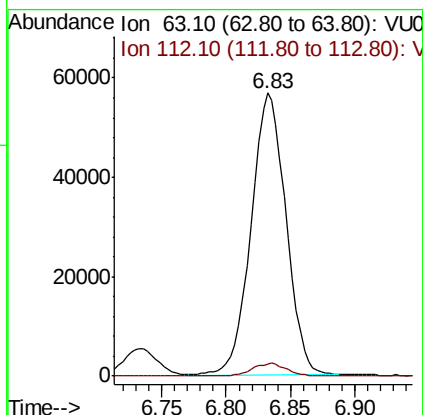
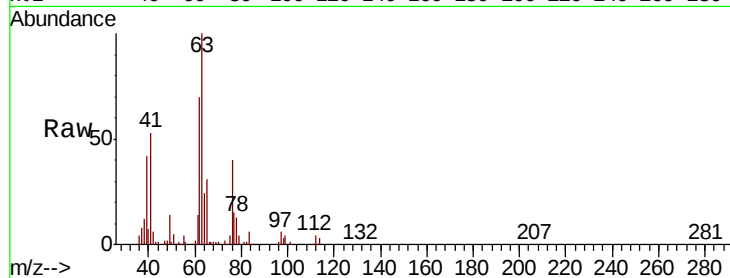




#37
 1,2-Dichloropropane
 Concen: 5.524 ug/L
 RT: 6.83 min Scan# 1708
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

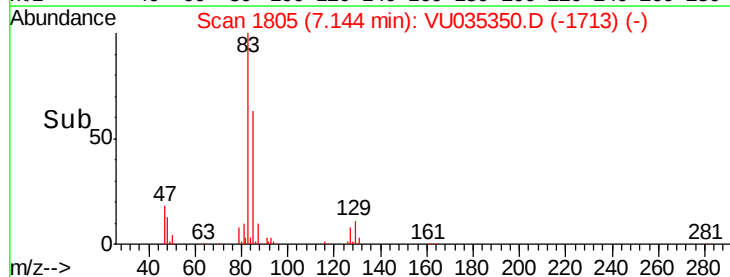
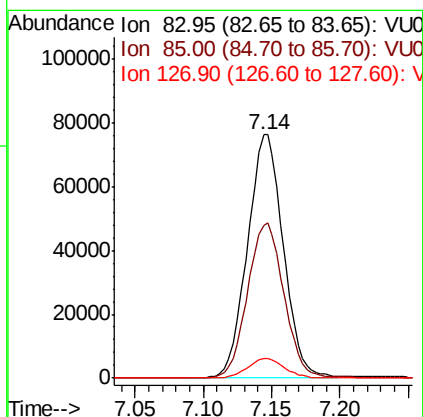
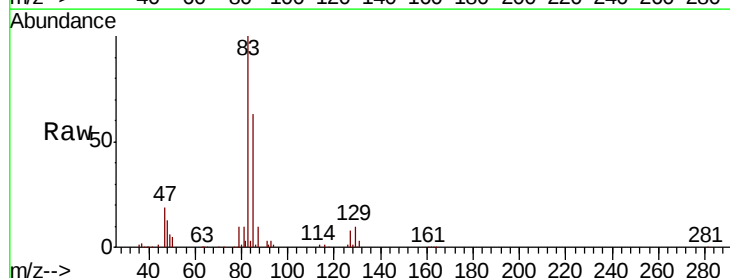
Instrument :
 MSVOA_U
 ClientSampleId :

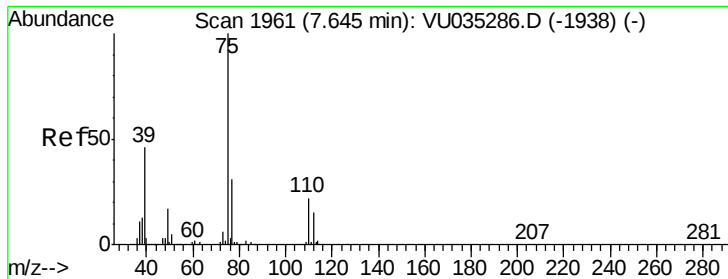
Tot Ion: 63 Resp: 107385
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.324 ug/L
 RT: 7.14 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion: 83 Resp: 139426
 Ion Ratio Lower Upper
 83 100
 85 62.9 45.6 84.8
 127 8.0 6.9 10.3



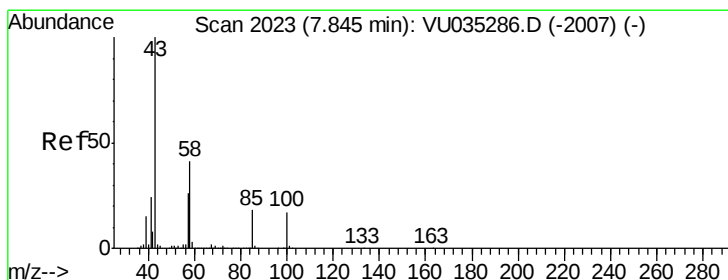
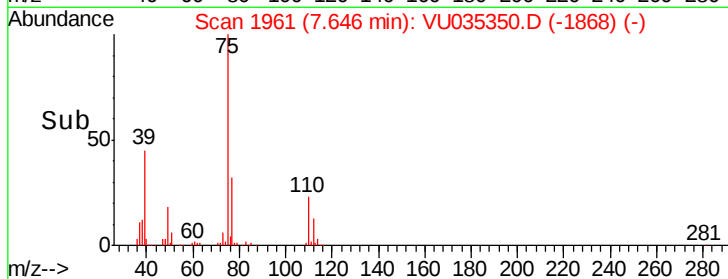
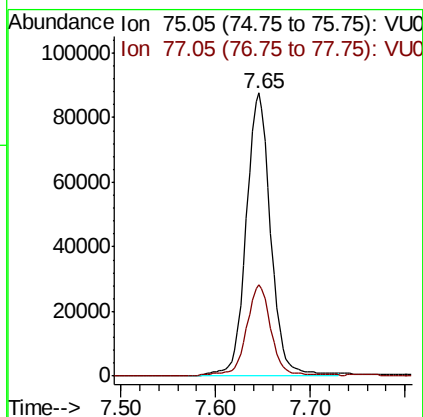
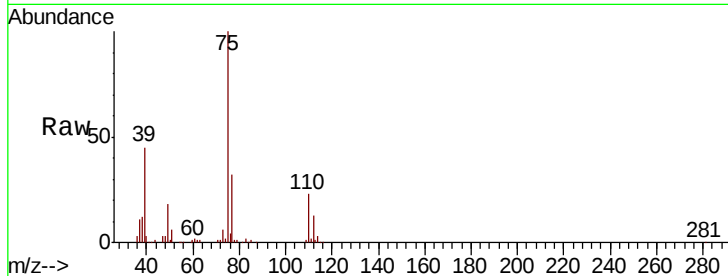


#39

cis-1,3-Dichloropropene
Concen: 4.870 ug/L
RT: 7.65 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :

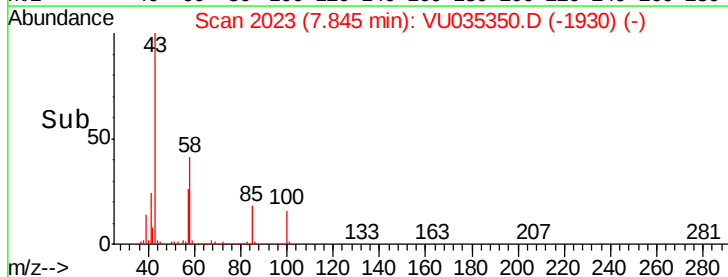
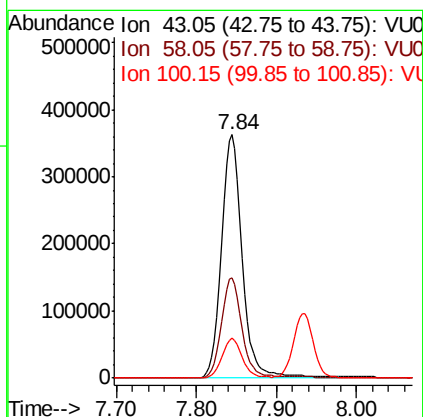
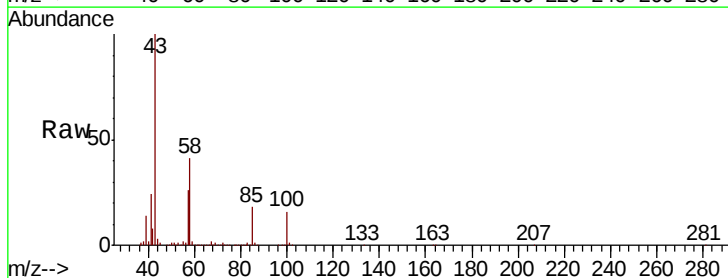
Tot Ion: 75 Resp: 158452
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.1

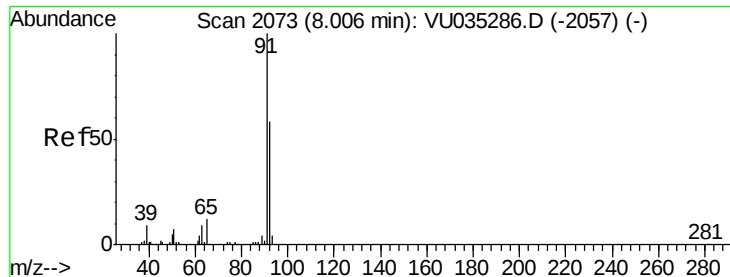


#40

4-Methyl-2-pentanone
Concen: 49.915 ug/L
RT: 7.84 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Tgt Ion: 43 Resp: 655026
Ion Ratio Lower Upper
43 100
58 40.5 32.3 48.5
100 15.8 13.4 20.2





#42

Toluene

Concen: 5.280 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

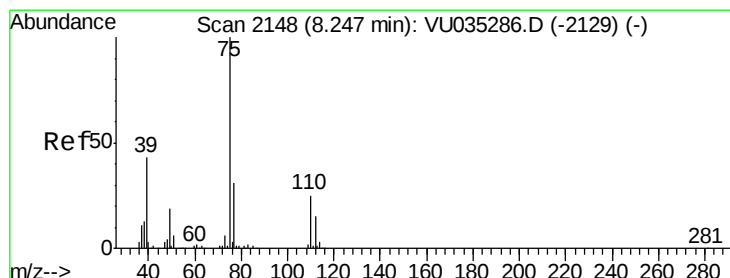
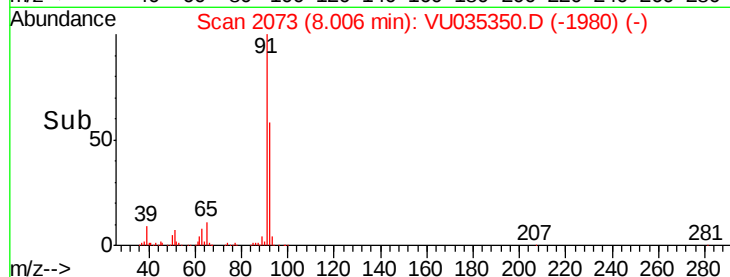
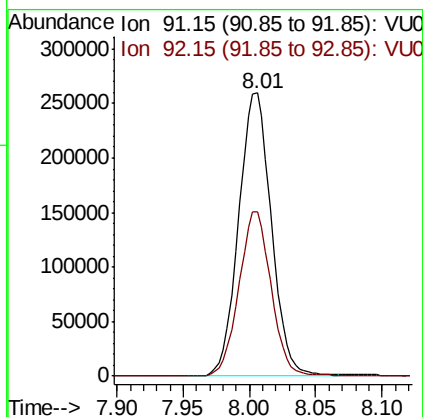
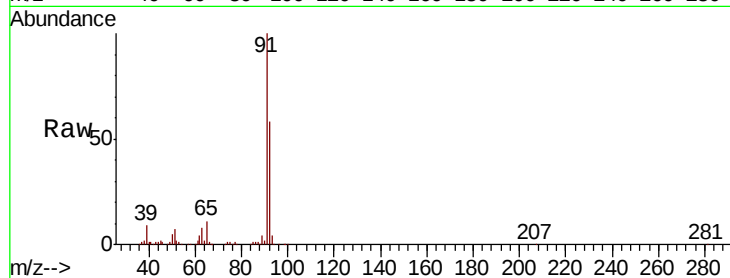
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 446275

Ion Ratio Lower Upper

91 100

92 57.9 39.9 74.1



#44

trans-1,3-Dichloropropene

Concen: 4.849 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035350.D

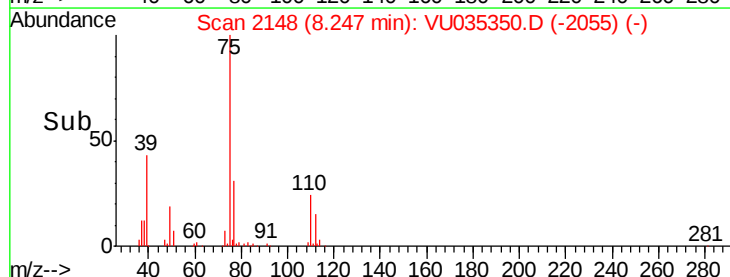
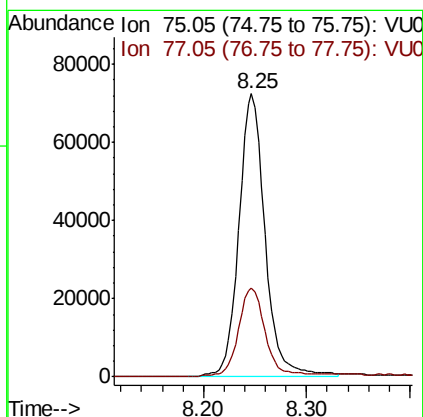
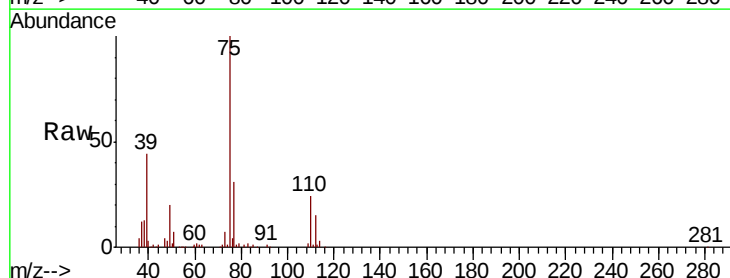
Acq: 22 Oct 2019 08:55

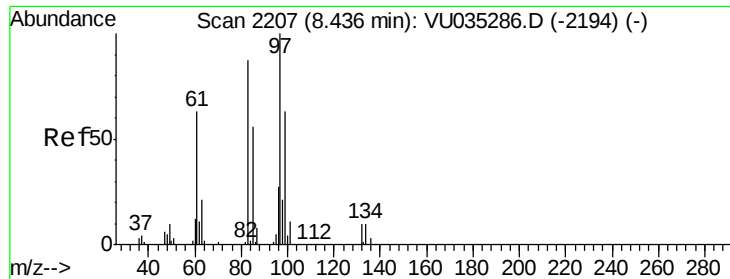
Tgt Ion: 75 Resp: 128952

Ion Ratio Lower Upper

75 100

77 31.3 23.0 42.8

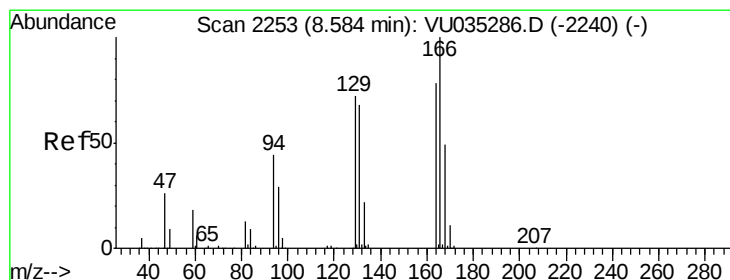
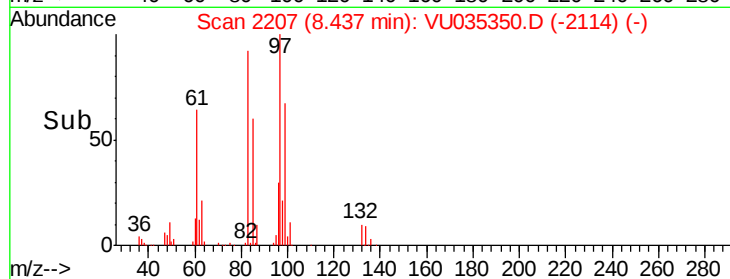
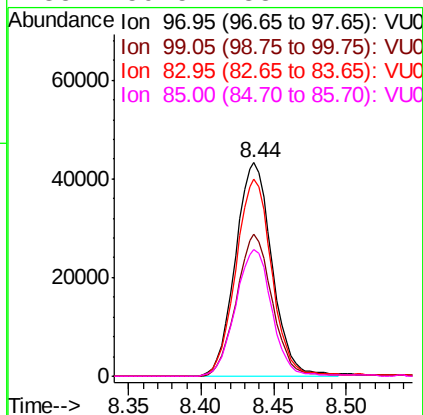
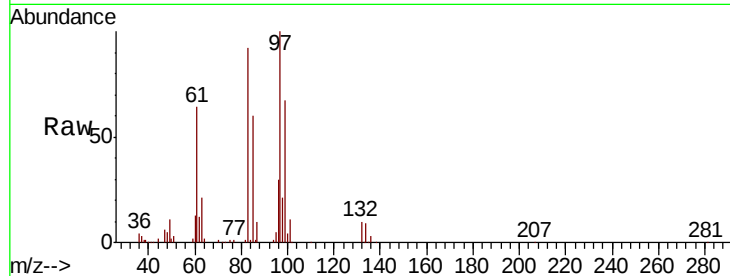




#45
 1,1,2-Trichloroethane
 Concen: 5.273 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

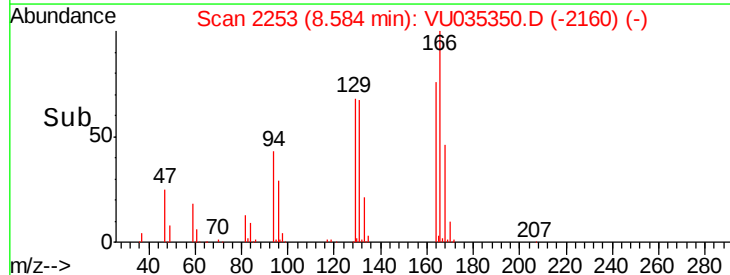
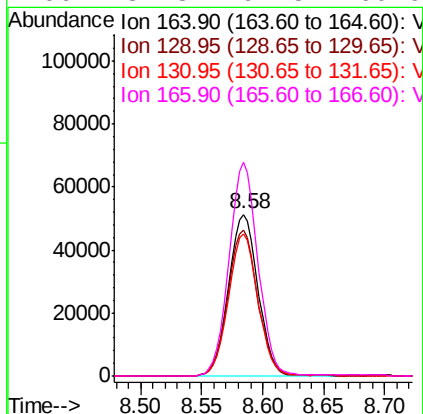
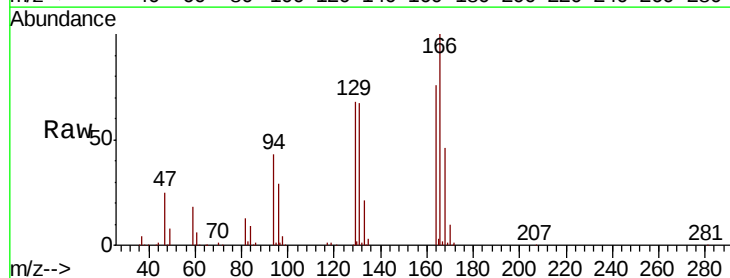
Instrument :
 MSVOA_U
 ClientSampleId :

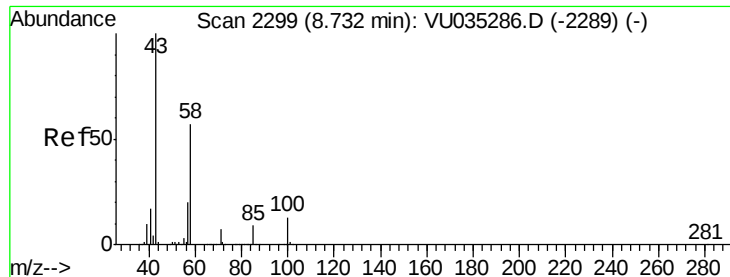
Tot Ion:	97	Resp:	76098
Ion	Ratio	Lower	Upper
97	100		
99	66.6	42.9	79.7
83	92.1	60.4	112.2
85	59.5	38.4	71.2



#47
 Tetrachloroethene
 Concen: 5.080 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion:	164	Resp:	87128
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.2	121.0
131	88.2	62.9	116.9
166	132.3	91.5	169.9

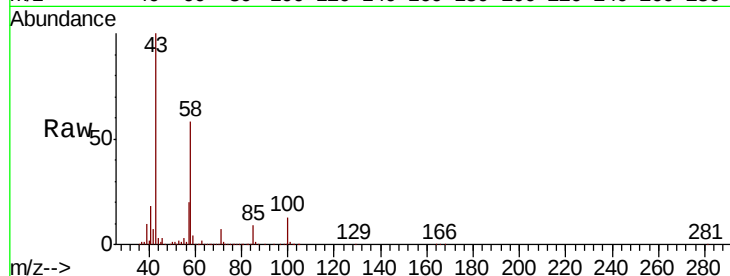




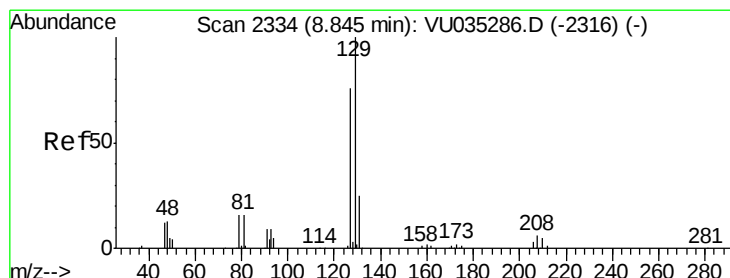
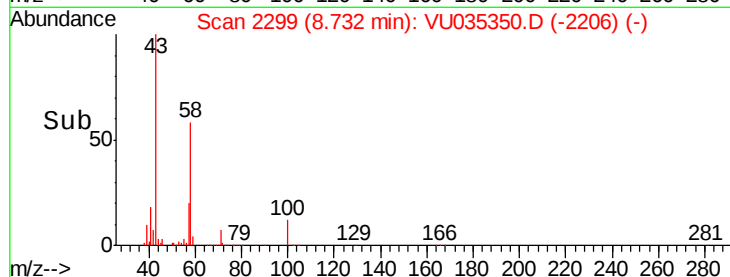
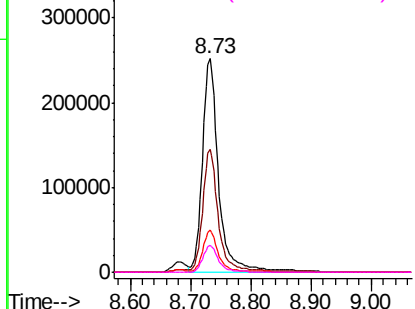
#48
2-Hexanone
Concen: 51.533 ug/L
RT: 8.73 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 474263
Ion Ratio Lower Upper
43 100
58 54.0 45.1 67.7
57 18.1 16.0 24.0
100 12.1 10.4 15.6

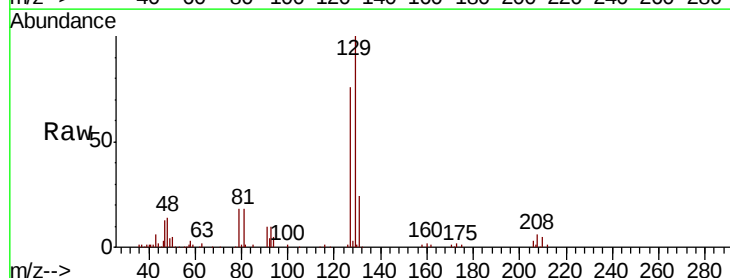


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

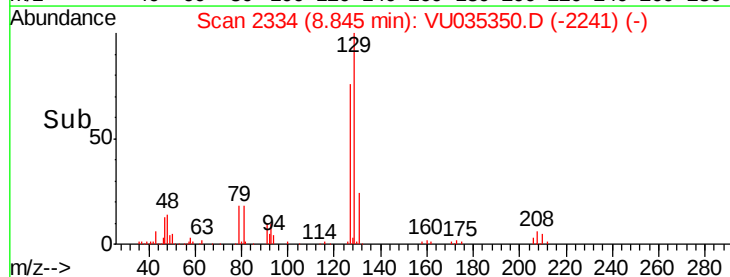
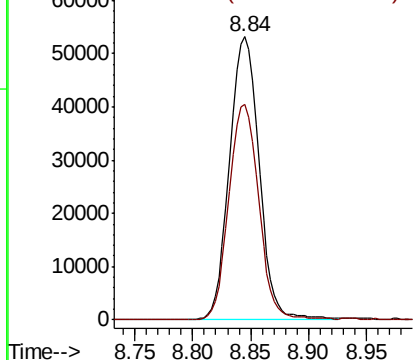


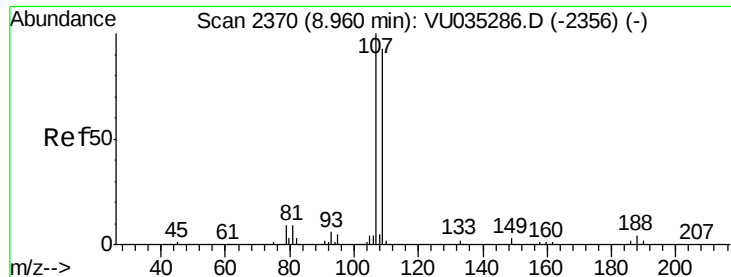
#49
Dibromochloromethane
Concen: 5.158 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Tgt Ion: 129 Resp: 94381
Ion Ratio Lower Upper
129 100
127 76.1 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.202 ug/L

RT: 8.96 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :

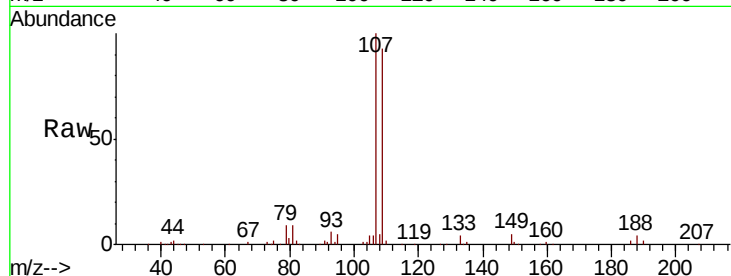
Tot Ion:107 Resp: 75041

Ion Ratio Lower Upper

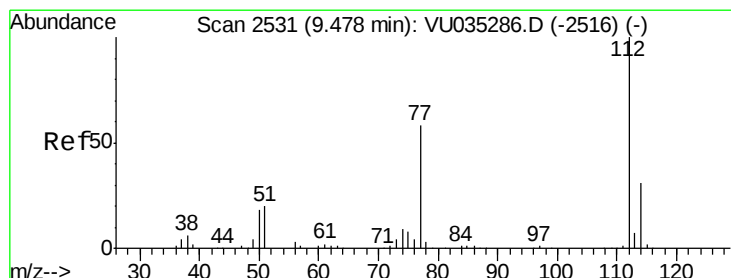
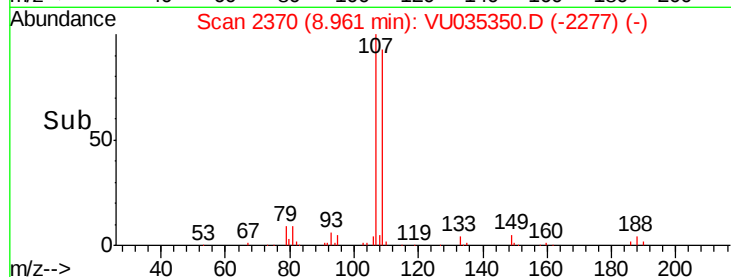
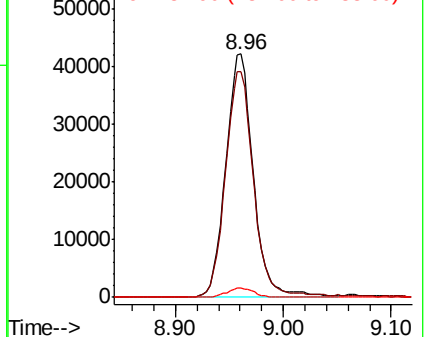
107 100

109 92.9 66.1 122.8

188 3.8 3.2 4.8



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: 5.135 ug/L

RT: 9.48 min Scan# 2531

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

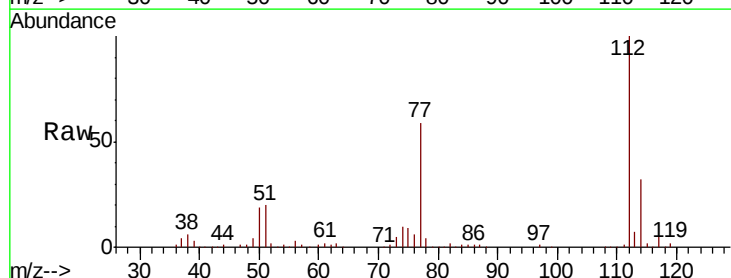
Tgt Ion:112 Resp: 280232

Ion Ratio Lower Upper

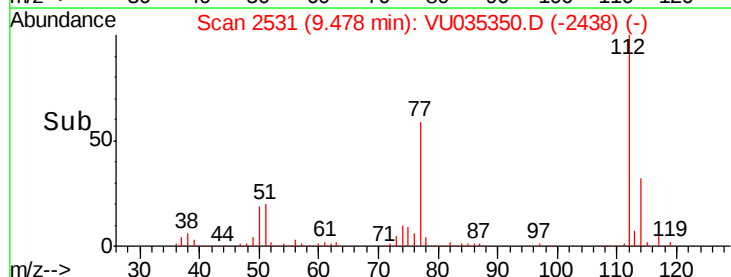
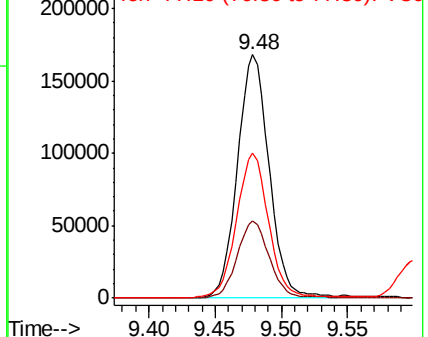
112 100

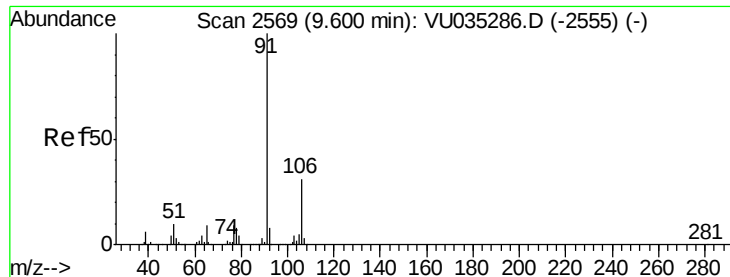
114 31.6 23.0 42.8

77 59.3 47.5 71.3



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): VU0





#52

Ethylbenzene

Concen: 5.080 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

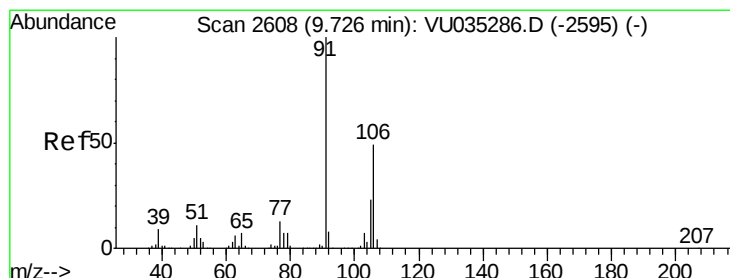
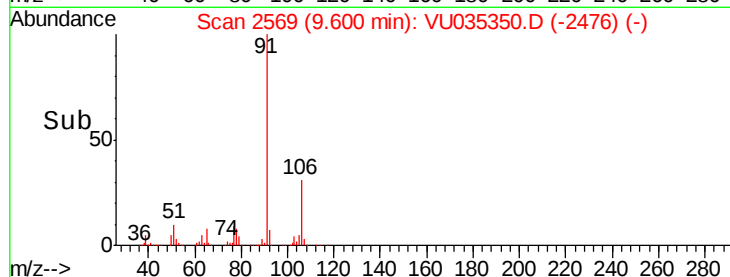
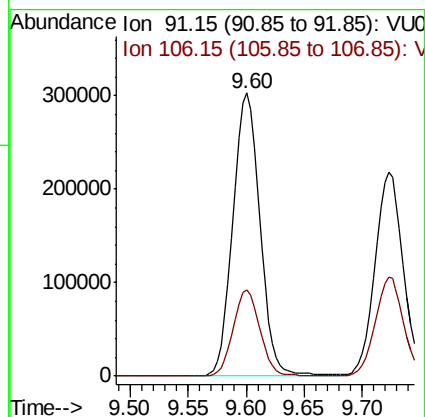
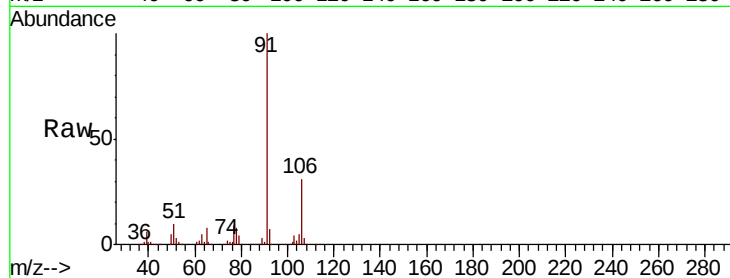
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 488259

Ion Ratio Lower Upper

91 100

106 30.7 21.3 39.6



#53

m,p-Xylene

Concen: 4.962 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035350.D

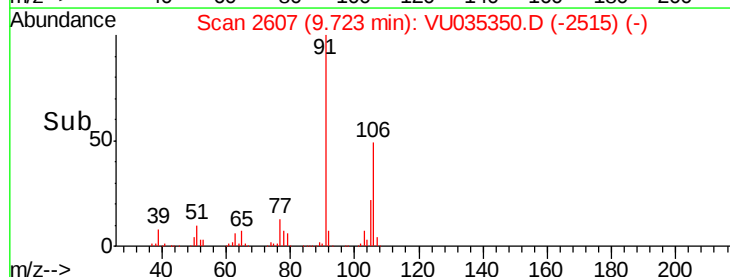
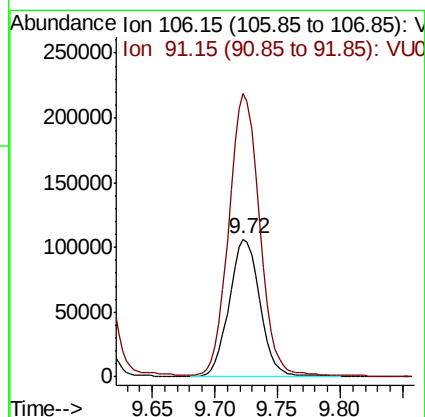
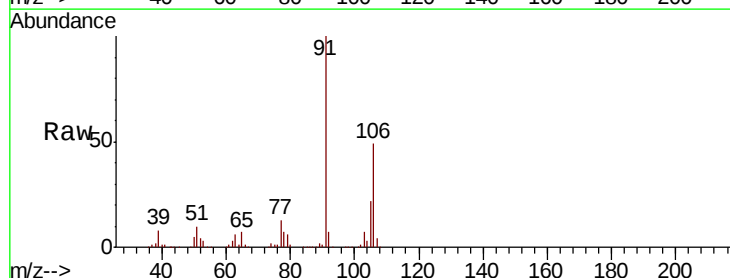
Acq: 22 Oct 2019 08:55

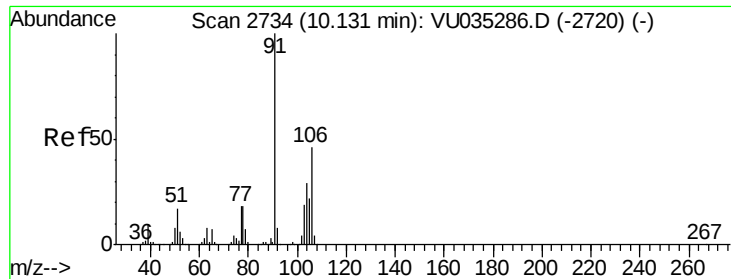
Tgt Ion: 106 Resp: 180098

Ion Ratio Lower Upper

106 100

91 205.4 142.0 263.6

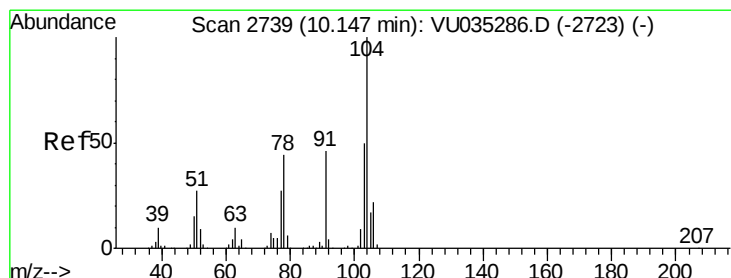
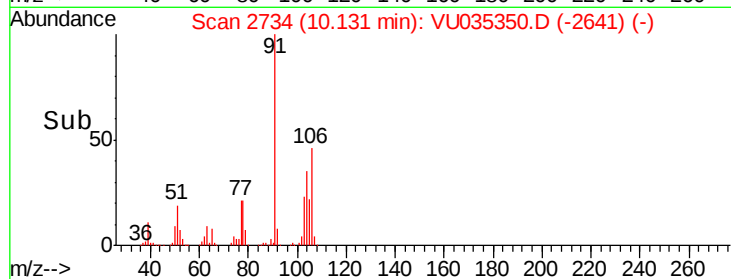
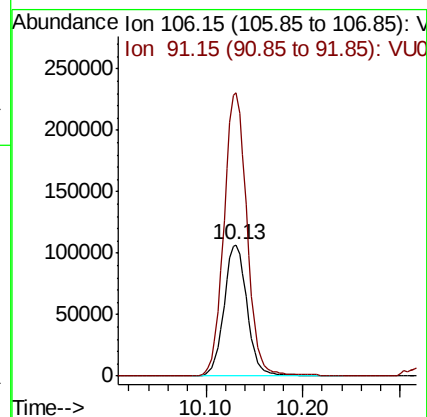
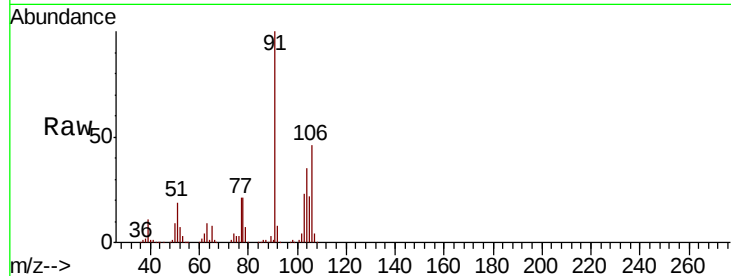




#54
o-Xylene
Concen: 4.983 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

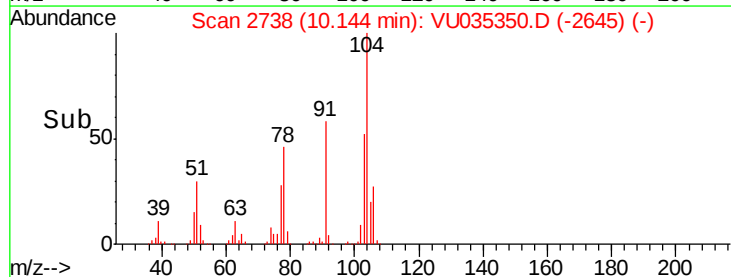
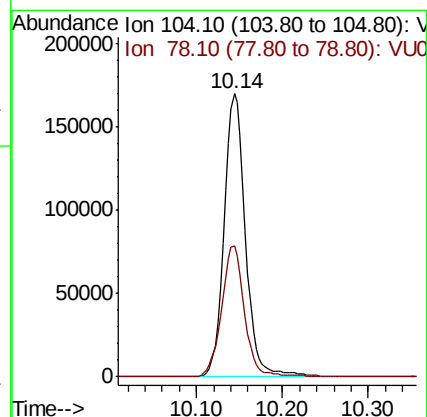
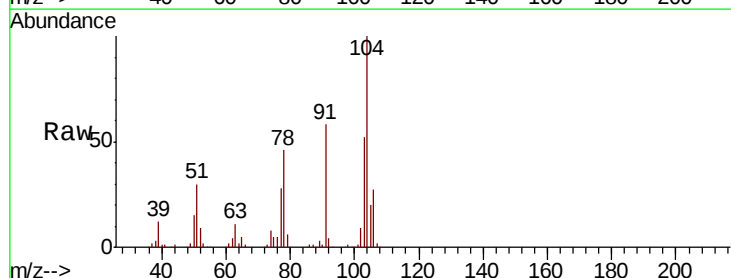
Instrument :
MSVOA_U
ClientSampleId :

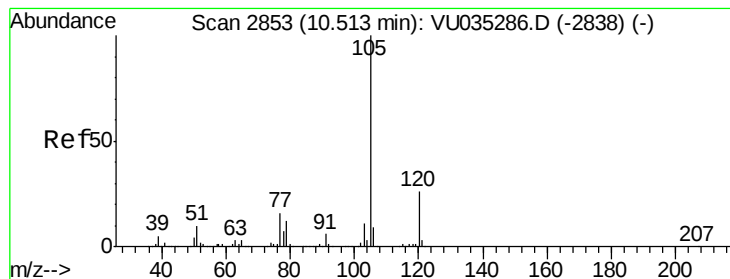
Tot Ion:106 Resp: 176526
Ion Ratio Lower Upper
106 100
91 216.0 153.2 284.6



#55
Styrene
Concen: 5.092 ug/L
RT: 10.14 min Scan# 2738
Delta R.T. 0.00 min
Lab File: VU035350.D
Acq: 22 Oct 2019 08:55

Tgt Ion:104 Resp: 293689
Ion Ratio Lower Upper
104 100
78 46.3 31.3 58.1





#56

Isopropylbenzene

Concen: 4.943 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

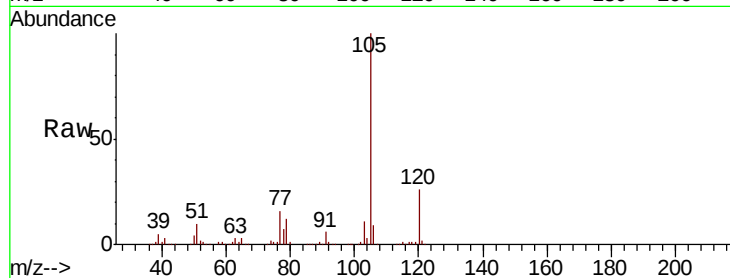
Tot Ion: 105 Resp: 471014

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

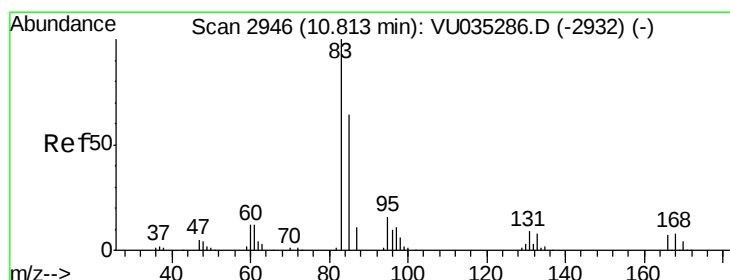
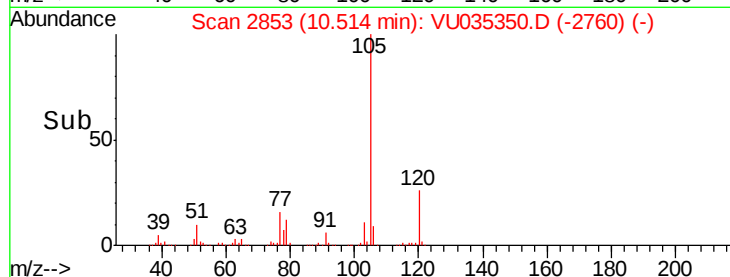
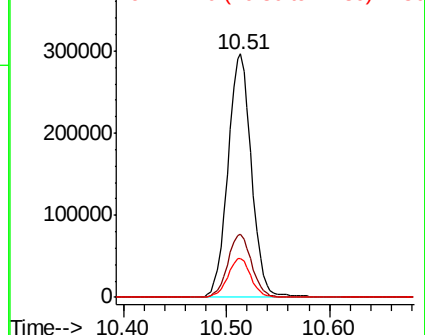
77 15.9 12.6 19.0



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: 5.545 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

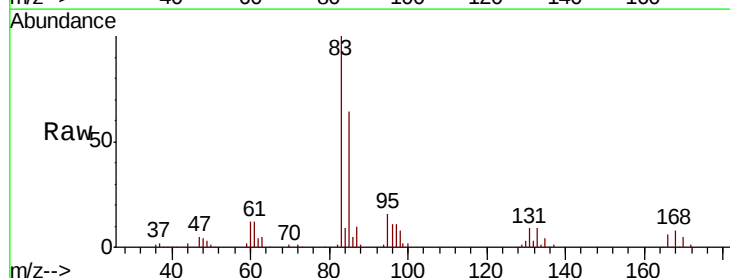
Tgt Ion: 83 Resp: 102978

Ion Ratio Lower Upper

83 100

85 63.6 46.8 86.8

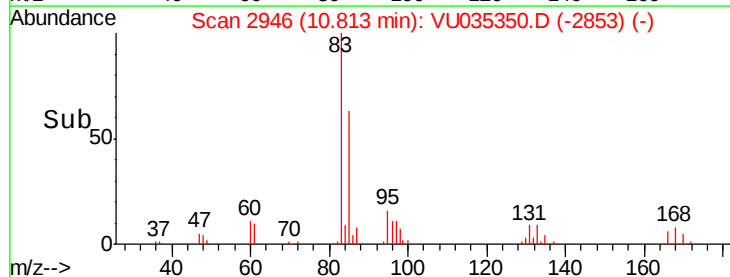
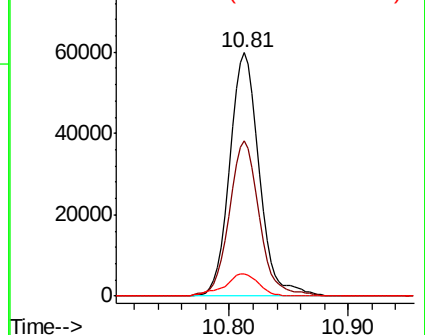
131 9.0 7.5 11.3

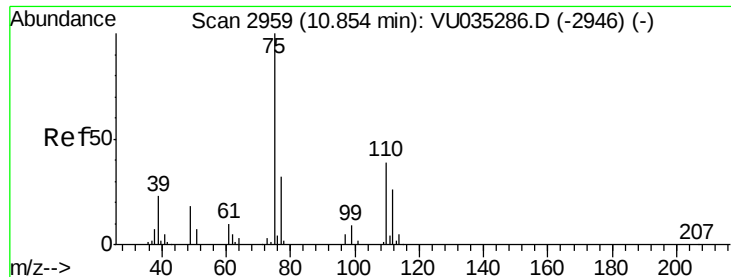


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

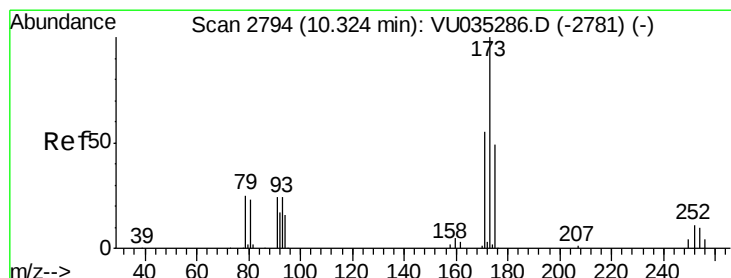
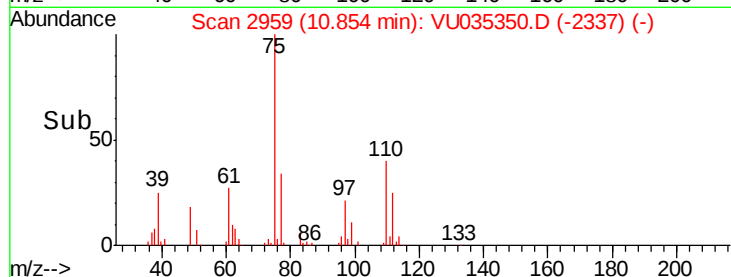
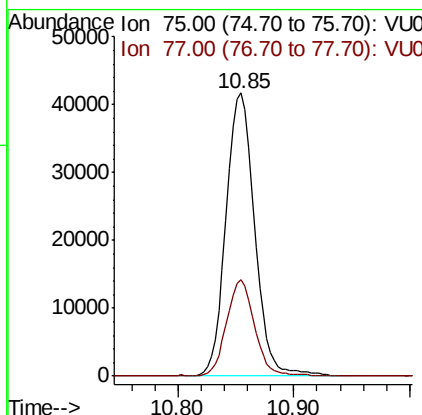
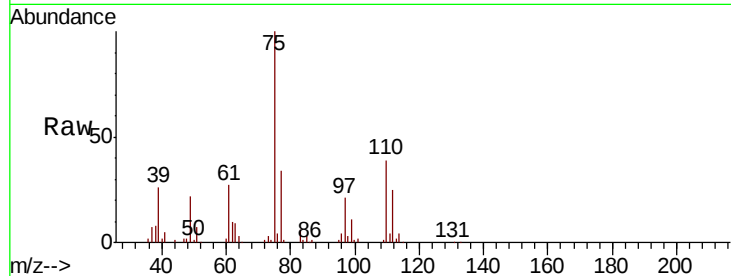




#59
 1,2,3-Trichloropropane
 Concen: 5.266 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

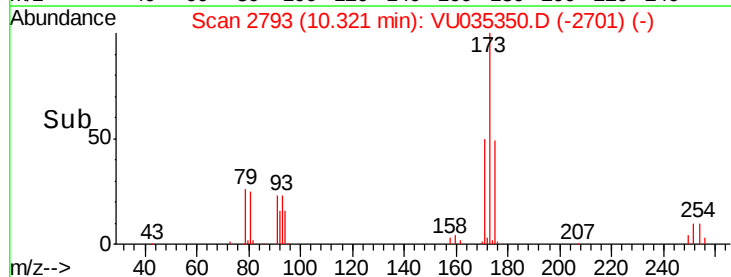
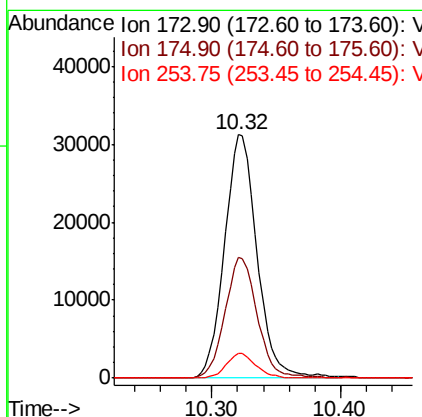
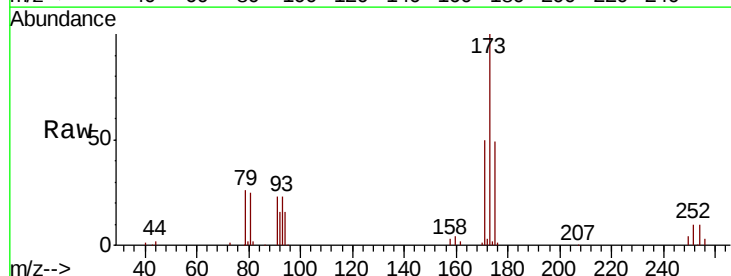
Instrument :
 MSVOA_U
 ClientSampleId :

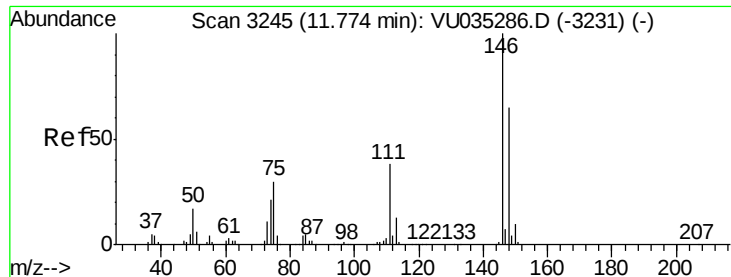
Tot Ion: 75 Resp: 71316
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.2



#61
 Bromoform
 Concen: 4.819 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion: 173 Resp: 54637
 Ion Ratio Lower Upper
 173 100
 175 49.3 38.8 58.2
 254 9.1 7.5 11.3





#62

1,3-Dichlorobenzene

Concen: 5.275 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

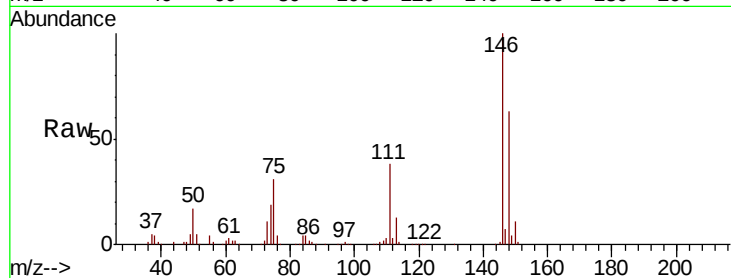
Tot Ion:146 Resp: 220299

Ion Ratio Lower Upper

146 100

111 38.4 27.8 51.6

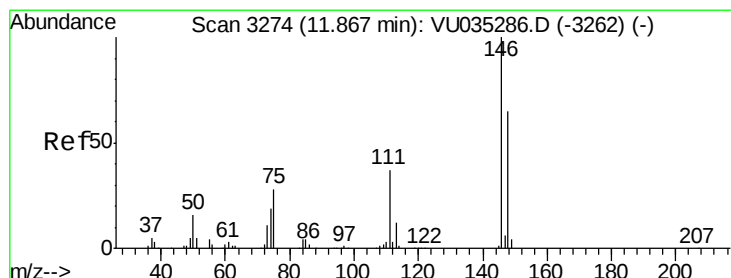
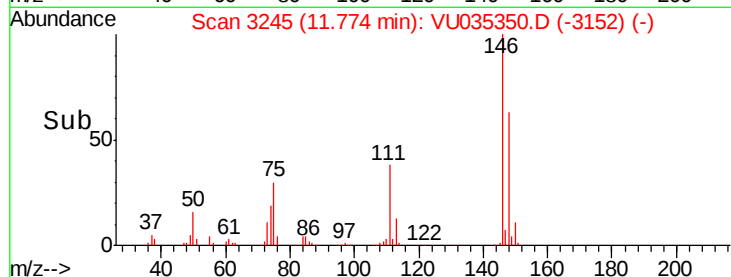
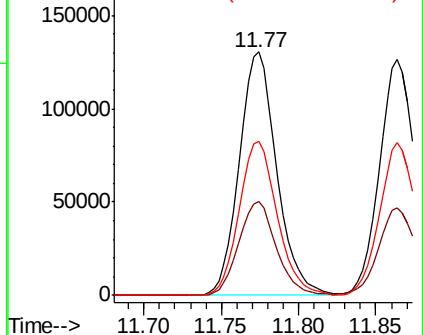
148 63.2 45.6 84.8



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: 5.203 ug/L

RT: 11.86 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

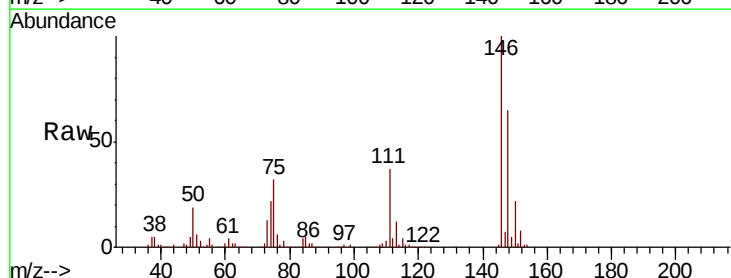
Tgt Ion:146 Resp: 213667

Ion Ratio Lower Upper

146 100

111 36.9 26.4 49.0

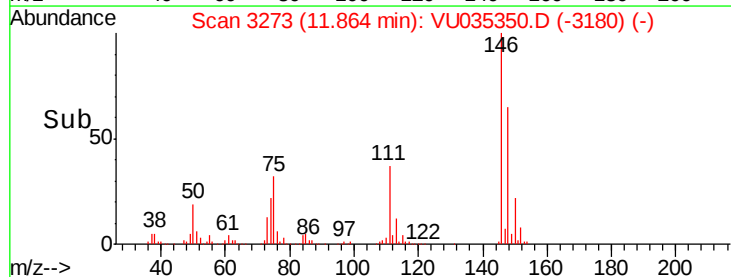
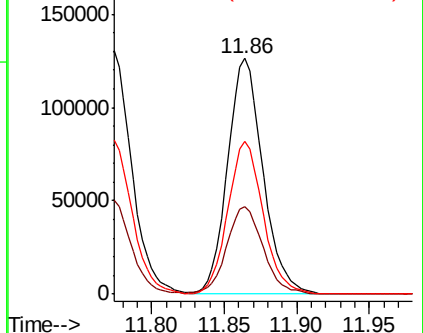
148 64.6 44.7 83.1

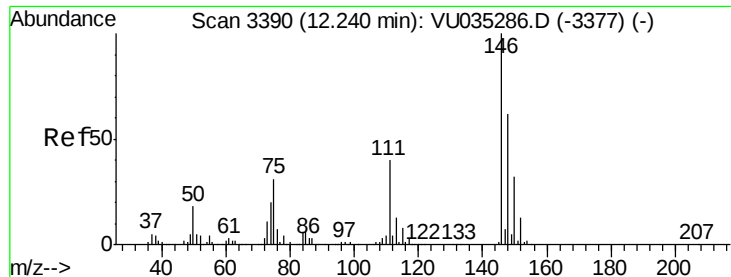


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

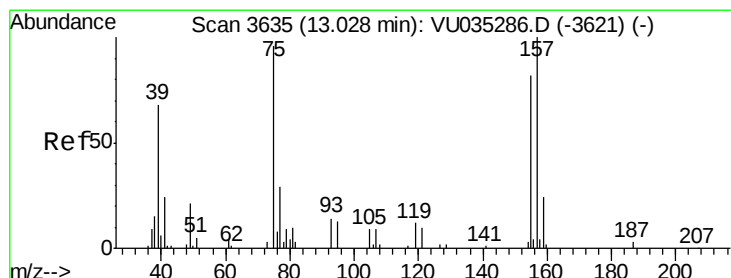
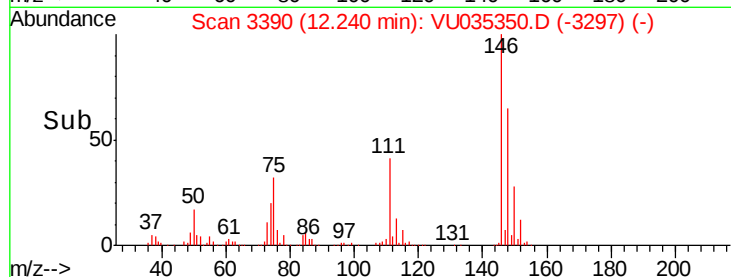
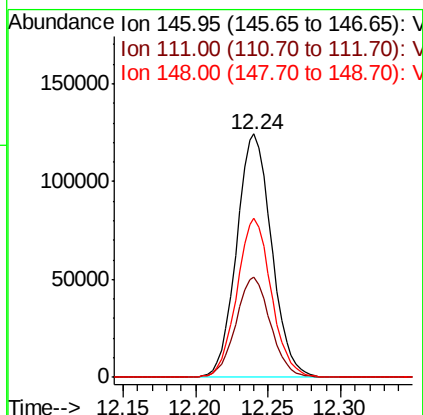
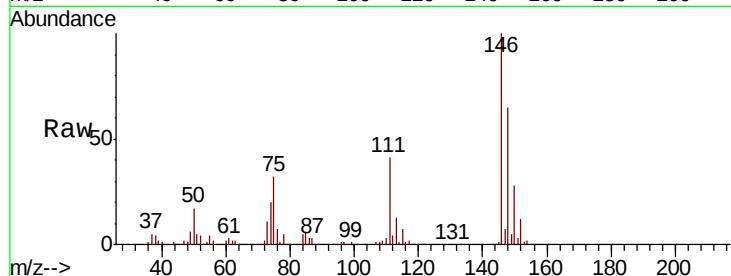




#65
 1,2-Dichlorobenzene
 Concen: 5.311 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

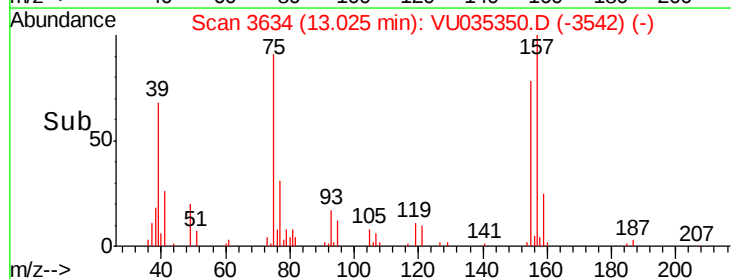
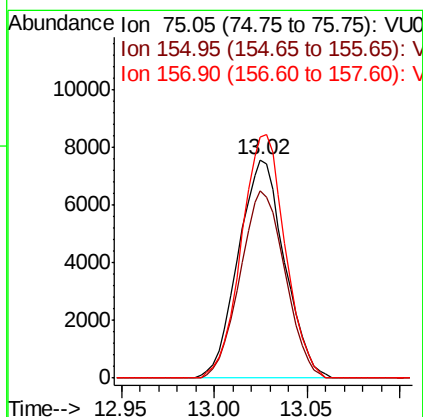
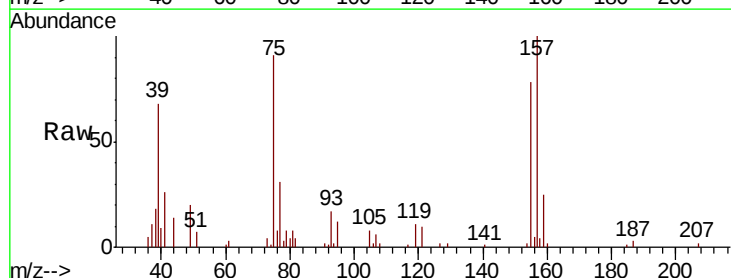
Instrument :
 MSVOA_U
 ClientSampleId :

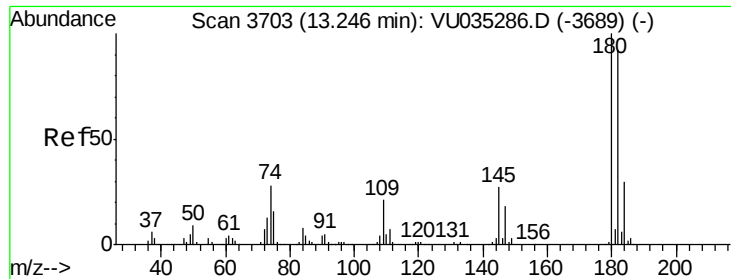
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	33.0	49.6
148	65.5	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.716 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. -0.00 min
 Lab File: VU035350.D
 Acq: 22 Oct 2019 08:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	70.0	105.0
157	110.2	94.7	142.1





#67

1,3,5-Trichlorobenzene

Concen: 5.197 ug/L

RT: 13.24 min Scan# 3702

Delta R.T. -0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 134507

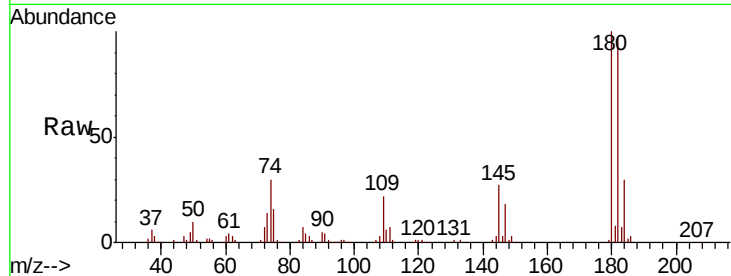
Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.2

184 30.3 23.9 35.9

145 27.7 22.4 33.6

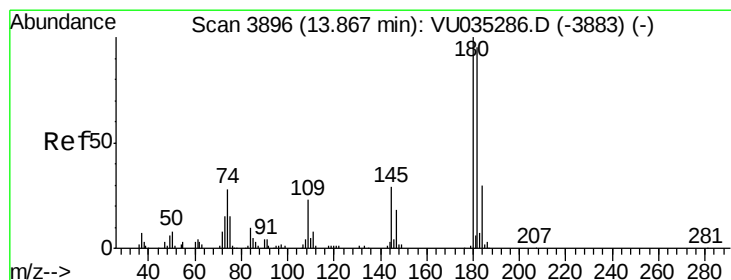
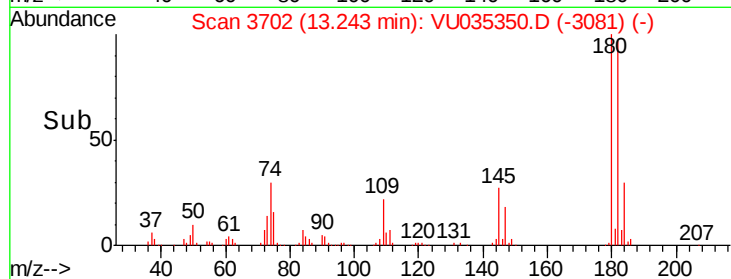
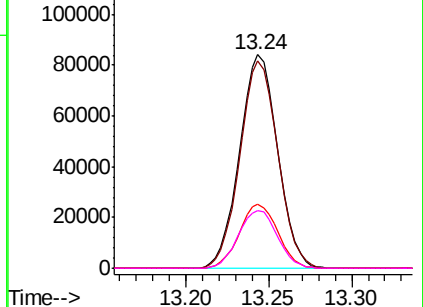


Abundance Ion 180.00 (179.70 to 180.70): V

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



#68

1,2,4-trichlorobenzene

Concen: 4.844 ug/L

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

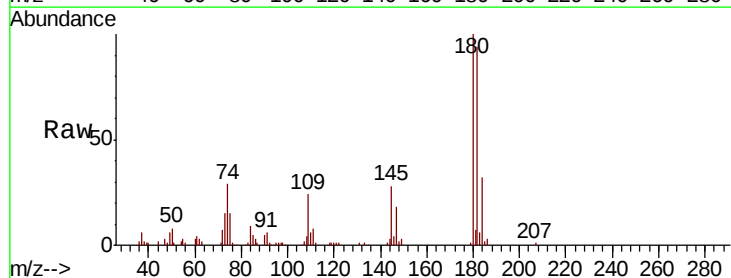
Tgt Ion:180 Resp: 83457

Ion Ratio Lower Upper

180 100

182 96.3 75.9 113.9

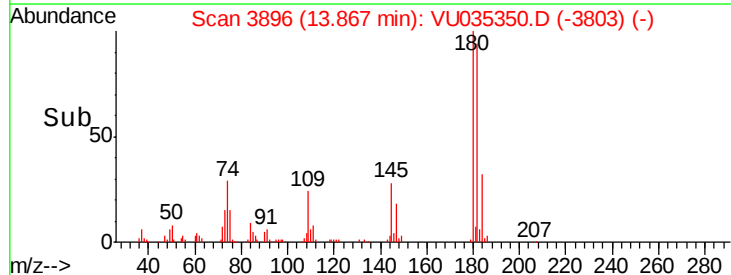
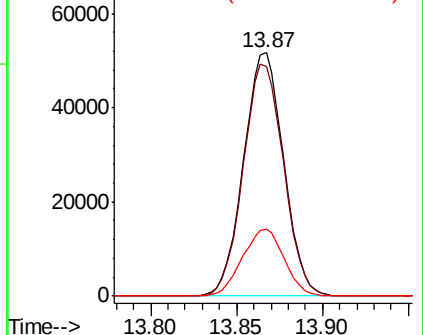
145 28.5 23.4 35.2

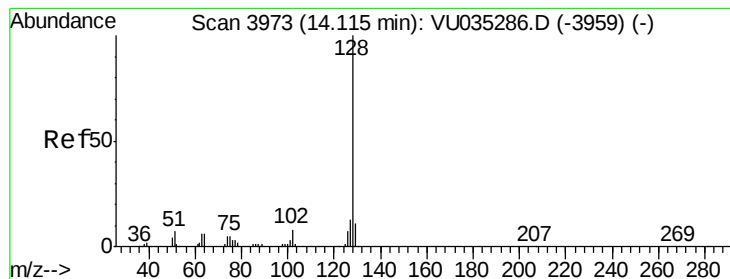


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.267 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. -0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

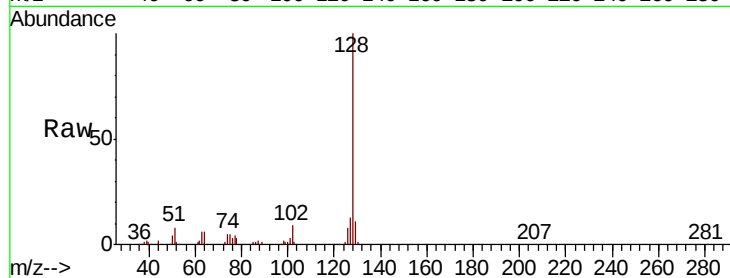
Tot Ion:128 Resp: 100913

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

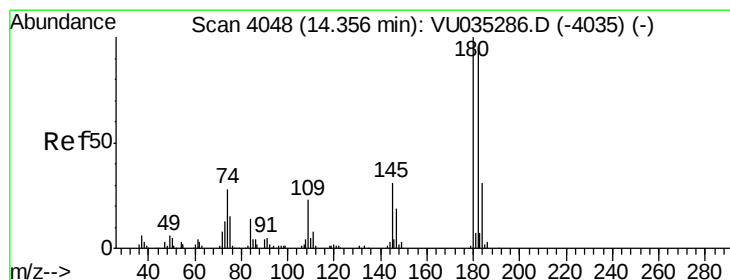
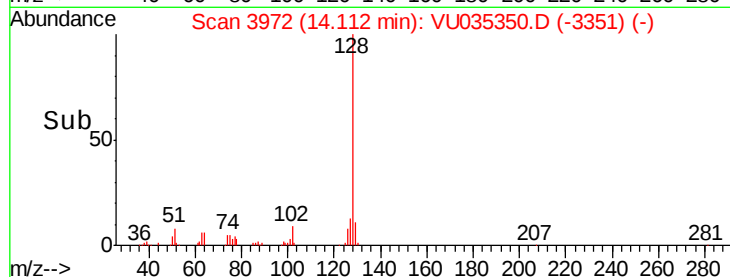
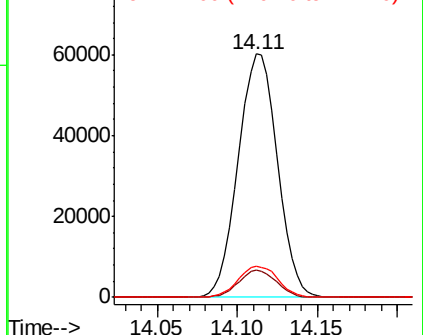
127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.081 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035350.D

Acq: 22 Oct 2019 08:55

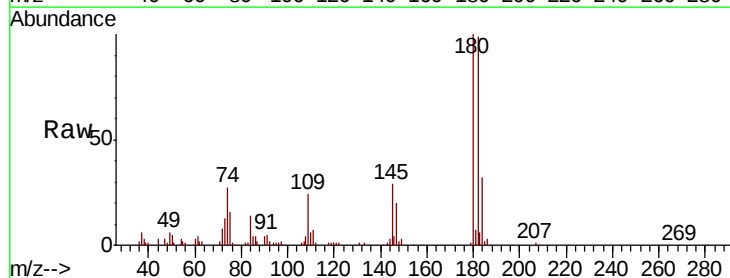
Tgt Ion:180 Resp: 81858

Ion Ratio Lower Upper

180 100

182 96.7 76.0 114.0

145 30.1 24.6 37.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

