

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
 Data File : VU035511.D
 Acq On : 26 Oct 2019 12:05
 Operator : JC/SP
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 01:27:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM102619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 30 01:21:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	574356	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	563004	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	198818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	45878	9.45	ug/L	0.00
7) Chloroethane-d5	1.93	69	38757	9.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	75257	9.34	ug/L	0.00
21) 2-Butanone-d5	4.70	46	59945	18.57	ug/L	0.00
24) Chloroform-d	5.11	84	74823	9.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	48633	9.44	ug/L	0.00
32) Benzene-d6	5.77	84	149702	9.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	50483	9.80	ug/L	0.00
41) Toluene-d8	7.93	98	135727	9.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	22296	8.54	ug/L	0.00
47) 2-Hexanone-d5	8.69	63	30244	13.57	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.79	84	67860	8.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	38828	8.66	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	48434	10.199	ug/L 100
3) Chloromethane	1.54	50	54396	10.977	ug/L 99
5) Vinyl chloride	1.62	62	56102	10.968	ug/L 85
6) Bromomethane	1.88	94	24475	8.444	ug/L 97
8) Chloroethane	1.95	64	32928	10.535	ug/L 99
9) Trichlorofluoromethane	2.16	101	65492	10.348	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	38228	10.380	ug/L 97
12) 1,1-Dichloroethene	2.61	96	35804	10.033	ug/L 94
13) Acetone	2.67	43	56381	19.082	ug/L 100
14) Carbon disulfide	2.83	76	114248	10.070	ug/L 99
15) Methyl Acetate	3.00	43	49224	10.960	ug/L 100
16) Methylene chloride	3.09	84	45472	10.645	ug/L 97
17) trans-1,2-Dichloroethene	3.40	96	37750	9.860	ug/L 98
18) Methyl tert-butyl Ether	3.42	73	112394	9.292	ug/L 99
19) 1,1-Dichloroethane	3.92	63	79420	10.752	ug/L 98
20) cis-1,2-Dichloroethene	4.72	96	40447	9.308	ug/L 92
22) 2-Butanone	4.78	43	67994	18.792	ug/L 98
23) Bromochloromethane	5.03	128	21807	9.992	ug/L 93
25) Chloroform	5.14	83	79583	10.538	ug/L 97
27) 1,2-Dichloroethane	5.84	62	59464	10.187	ug/L 98
29) Cyclohexane	5.43	56	57236	8.993	ug/L 99
30) 1,1,1-Trichloroethane	5.37	97	62505	10.032	ug/L 99
31) Carbon tetrachloride	5.57	117	54210	9.957	ug/L 100
33) Benzene	5.82	78	167727	10.322	ug/L 100
34) Trichloroethene	6.58	95	40736	9.879	ug/L 96
35) Methylcyclohexane	6.80	83	51006	8.125	ug/L 98
37) 1,2-Dichloropropane	6.84	63	46929	11.080	ug/L 99
38) Bromodichloromethane	7.15	83	56808	10.134	ug/L 99
39) cis-1,3-Dichloropropene	7.65	75	62812	9.278	ug/L 98
40) 4-Methyl-2-pentanone	7.84	43	114698	18.469	ug/L 96

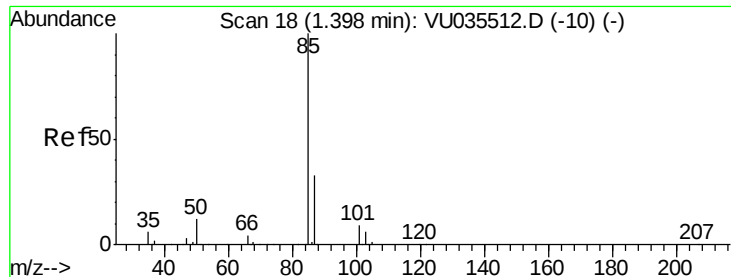
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102619\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	166183	9.416	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	55327	8.794	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	42271	10.238	ug/L	95
46) Tetrachloroethene	8.59	164	31591	9.517	ug/L	98
48) 2-Hexanone	8.74	43	80504	15.313	ug/L	94
49) Dibromochloromethane	8.84	129	43628	9.524	ug/L	97
50) 1,2-Dibromoethane	8.96	107	43281	9.555	ug/L	97
51) Chlorobenzene	9.48	112	109297	9.532	ug/L	97
52) Ethylbenzene	9.60	91	165329	8.463	ug/L	98
53) m,p-Xylene	9.73	106	58644	8.090	ug/L	98
54) o-xylene	10.13	106	58288	8.171	ug/L	99
55) Styrene	10.15	104	89601	7.709	ug/L	97
56) Isopropylbenzene	10.51	105	143968	7.843	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	72065	9.991	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	57375	10.018	ug/L	99
61) Bromoform	10.32	173	31700	11.115	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	60739	9.408	ug/L	99
63) 1,4-Dichlorobenzene	11.87	146	62620	9.673	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	62193	9.643	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	10555	10.304	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	24600	6.961	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	11172	4.853	ug/L	94
69) Naphthalene	14.11	128	28899	4.537	ug/L	98
70) 1,2,3-Trichlorobenzene	14.35	180	12704	5.331	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 10.199 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

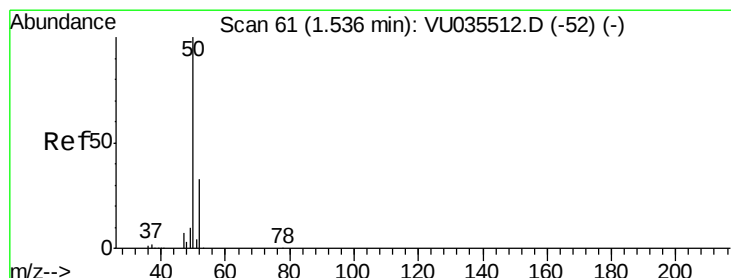
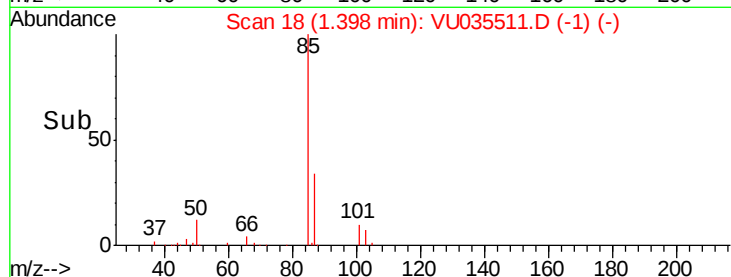
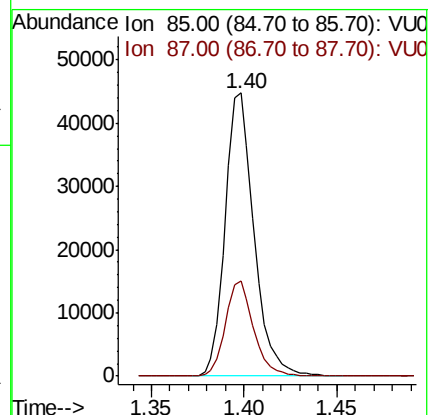
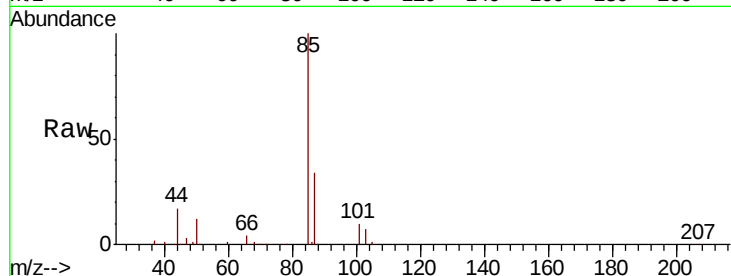
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 48434

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2



#3

Chloromethane

Concen: 10.977 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035511.D

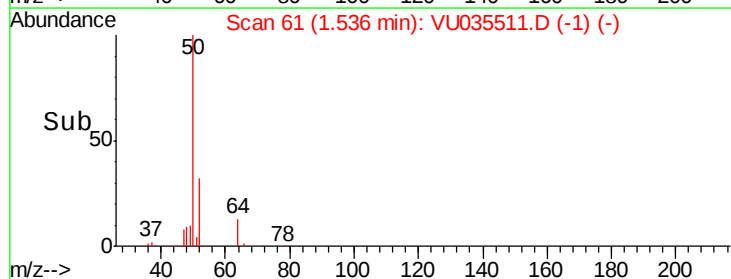
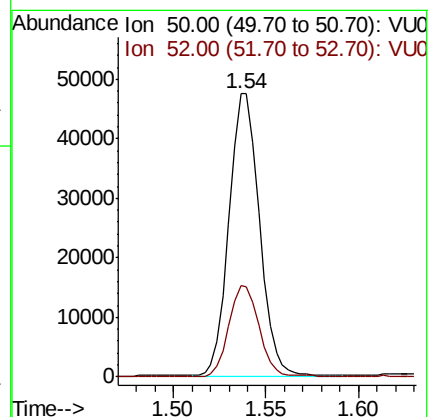
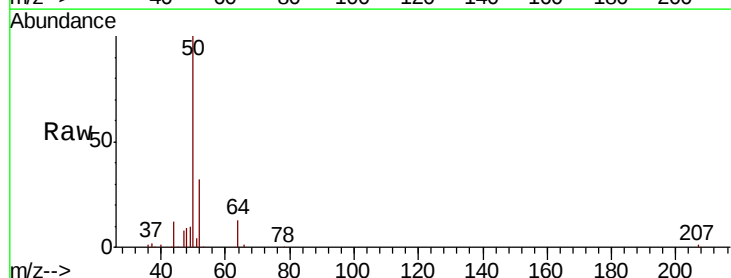
Acq: 26 Oct 2019 12:05

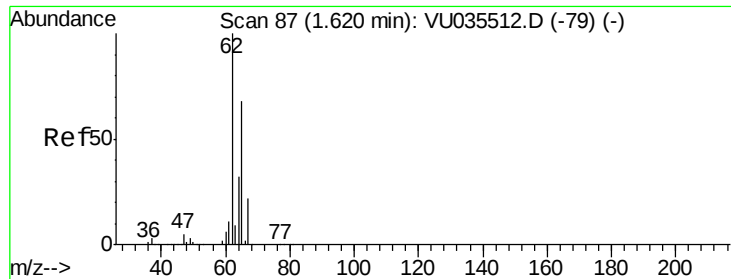
Tgt Ion: 50 Resp: 54396

Ion Ratio Lower Upper

50 100

52 32.2 22.7 42.3





#5

Vinyl chloride

Concen: 10.968 ug/L

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

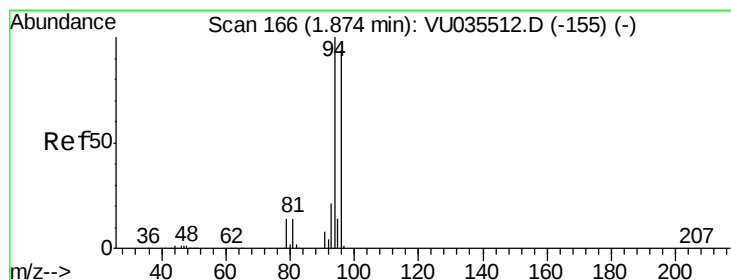
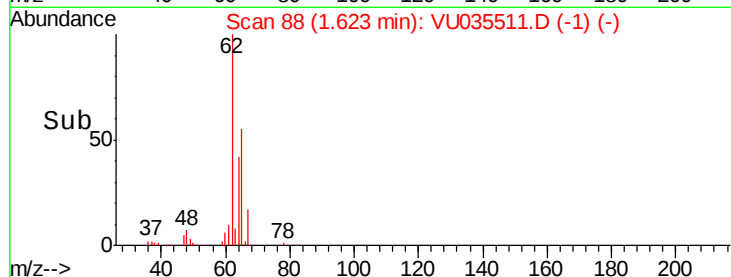
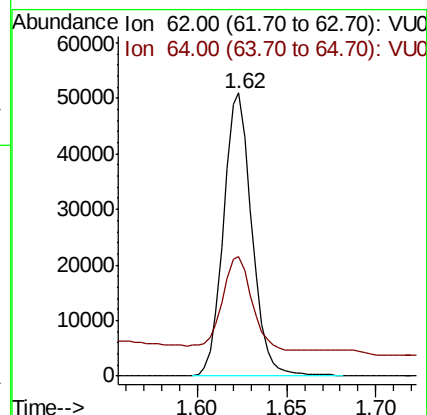
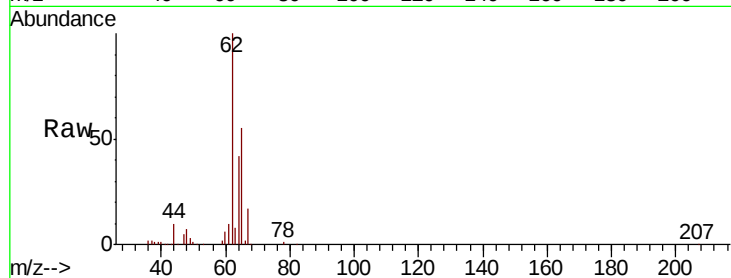
ClientSampleId :

Tot Ion: 62 Resp: 56102

Ion Ratio Lower Upper

62 100

64 42.4 23.8 44.2



#6

Bromomethane

Concen: 8.444 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035511.D

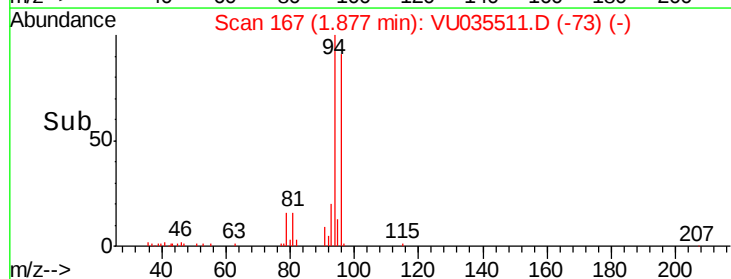
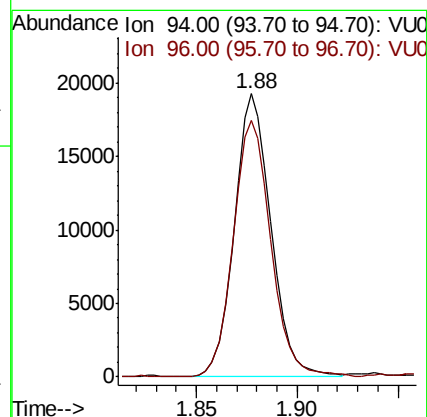
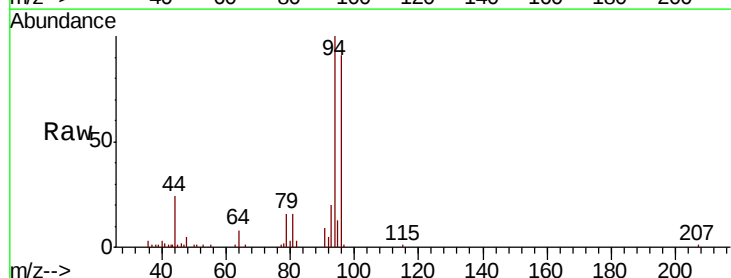
Acq: 26 Oct 2019 12:05

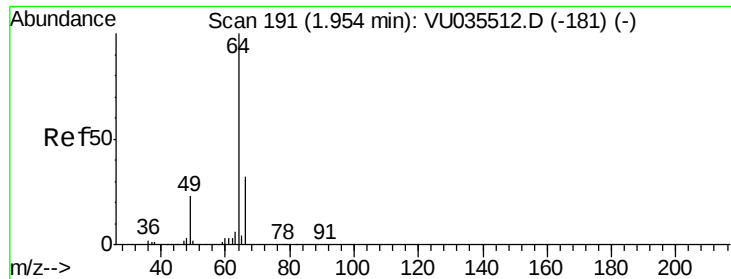
Tgt Ion: 94 Resp: 24475

Ion Ratio Lower Upper

94 100

96 90.8 65.7 121.9

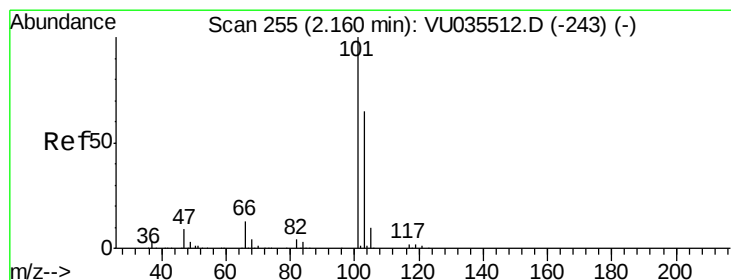
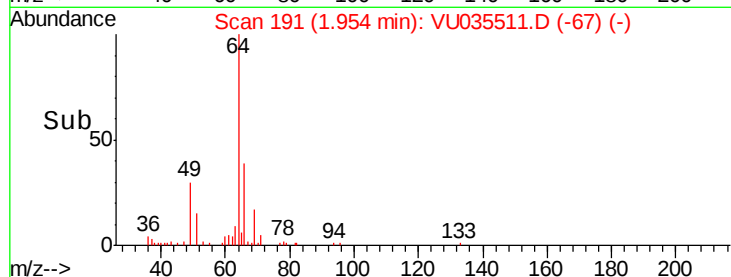
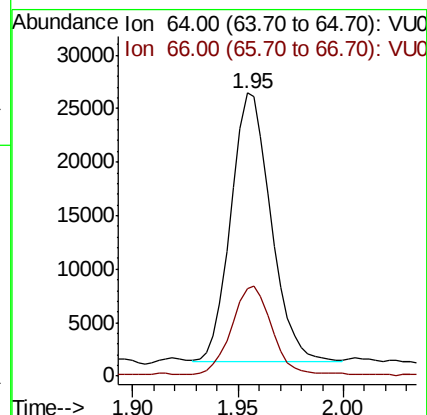
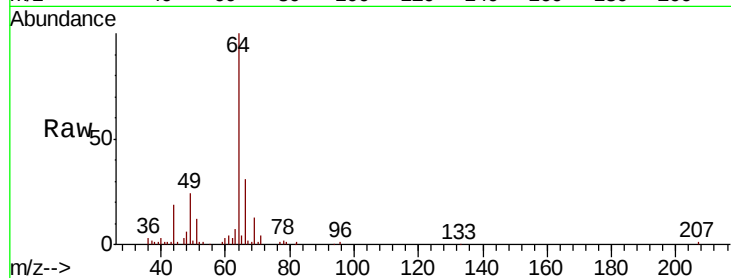




#8
Chloroethane
Concen: 10.535 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

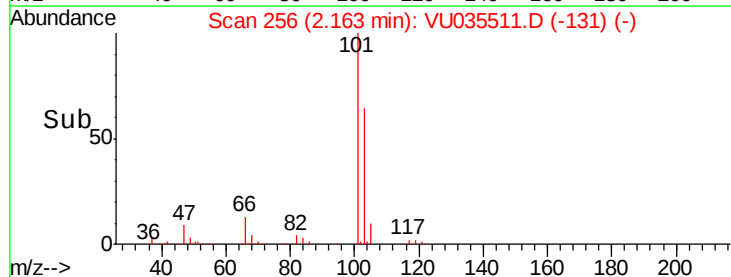
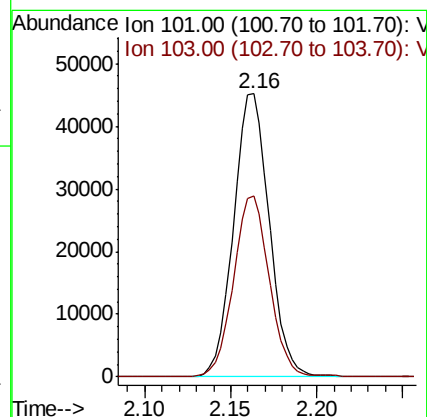
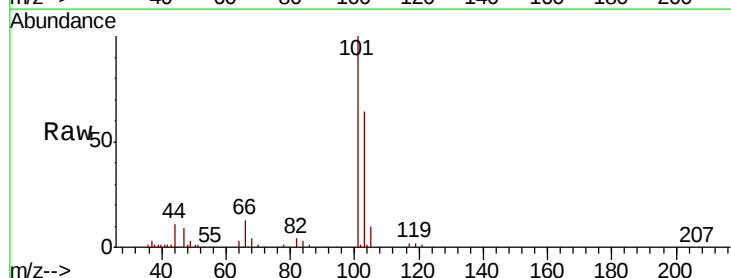
Instrument :
MSVOA_U
ClientSampleId :

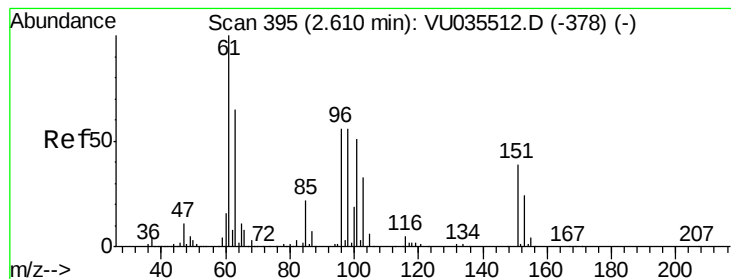
Tot Ion: 64 Resp: 32928
Ion Ratio Lower Upper
64 100
66 31.1 22.3 41.5



#9
Trichlorofluoromethane
Concen: 10.348 ug/L
RT: 2.16 min Scan# 256
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion: 101 Resp: 65492
Ion Ratio Lower Upper
101 100
103 64.0 51.7 77.5





#10

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

Concen: 10.380 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

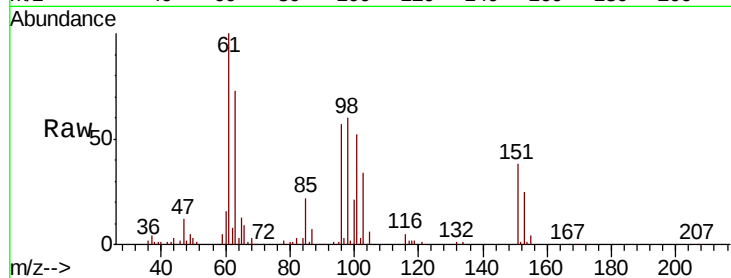
Tot Ion:101 Resp: 38228

Ion Ratio Lower Upper

101 100

85 41.8 34.6 52.0

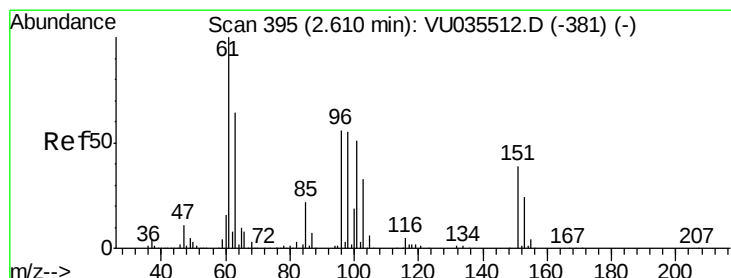
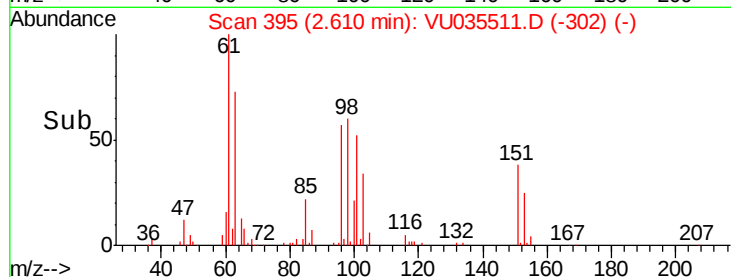
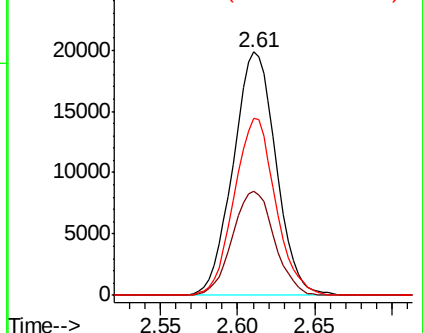
151 70.1 58.6 88.0



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: 10.033 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

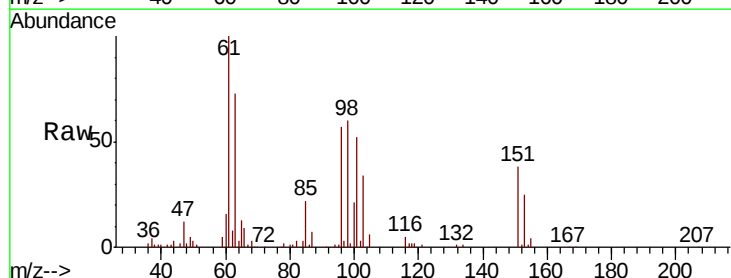
Tgt Ion: 96 Resp: 35804

Ion Ratio Lower Upper

96 100

61 175.1 125.2 232.4

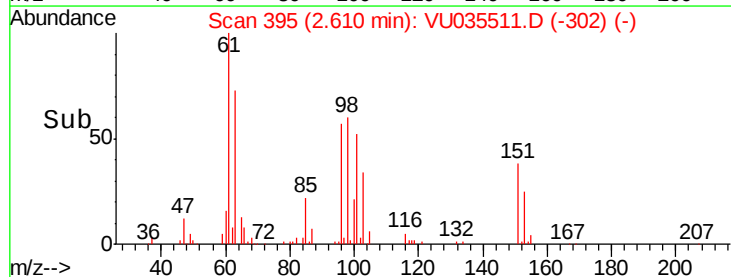
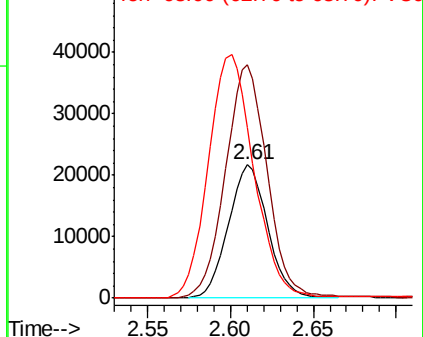
63 127.9 81.8 151.8

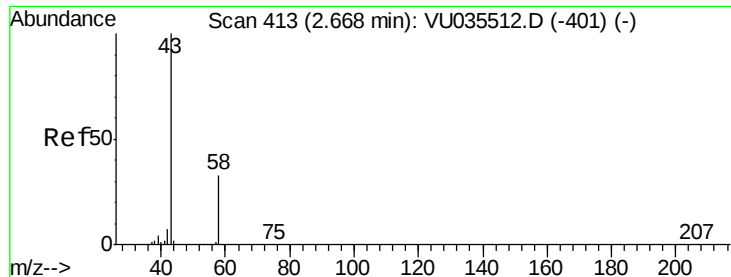


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 19.082 ug/L

RT: 2.67 min Scan# 413

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

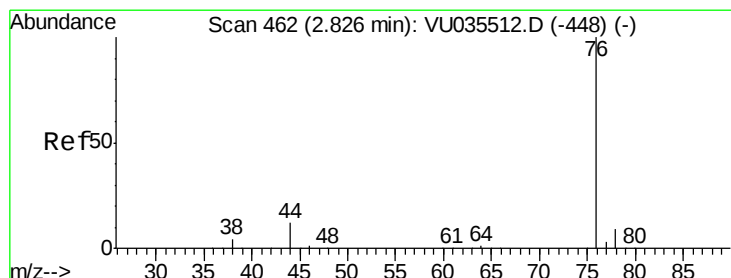
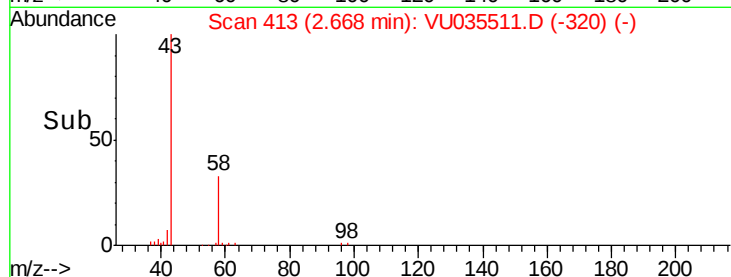
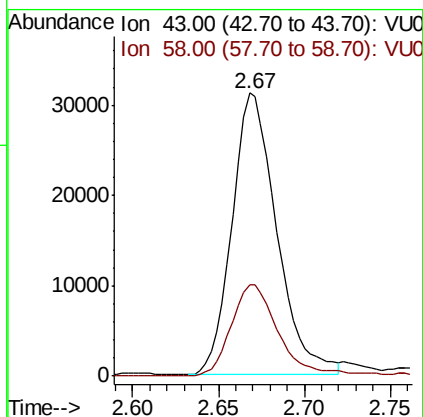
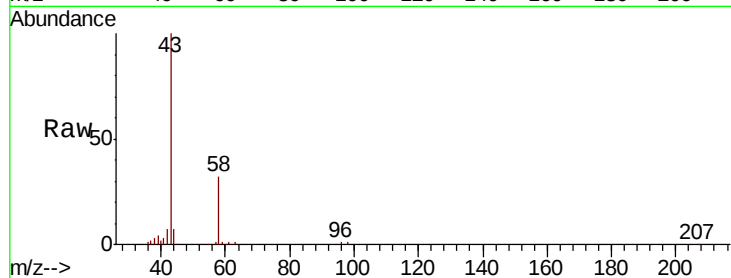
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 43 Resp: 56381

Ion Ratio Lower Upper

43 100

58 33.4 0.0 66.6



#14

Carbon disulfide

Concen: 10.070 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035511.D

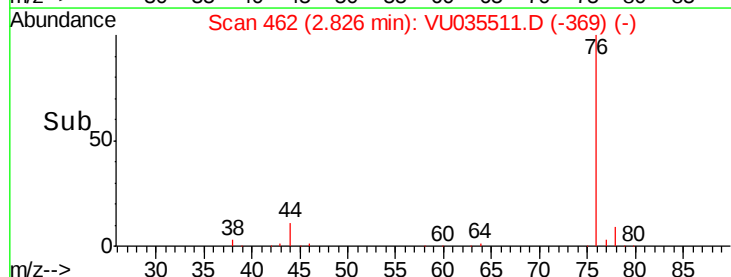
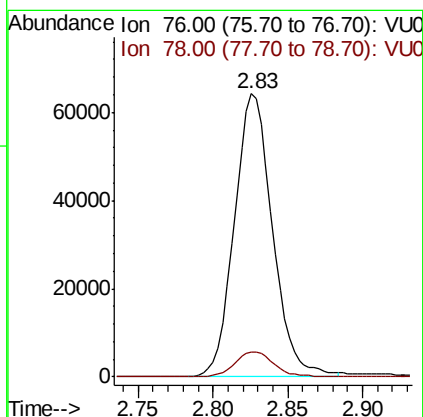
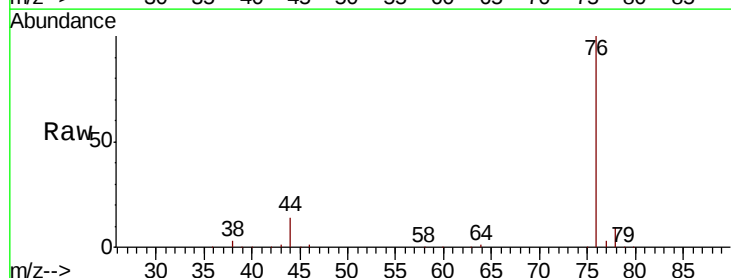
Acq: 26 Oct 2019 12:05

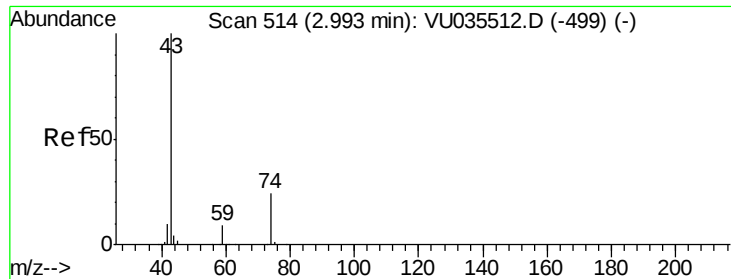
Tgt Ion: 76 Resp: 114248

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

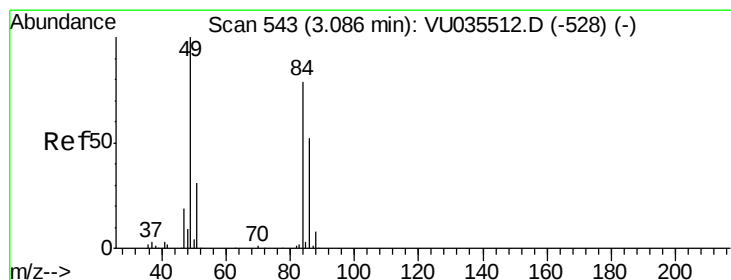
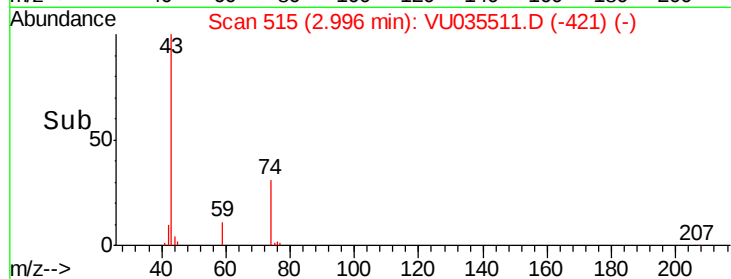
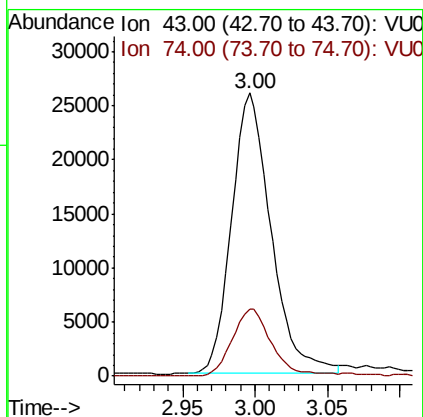
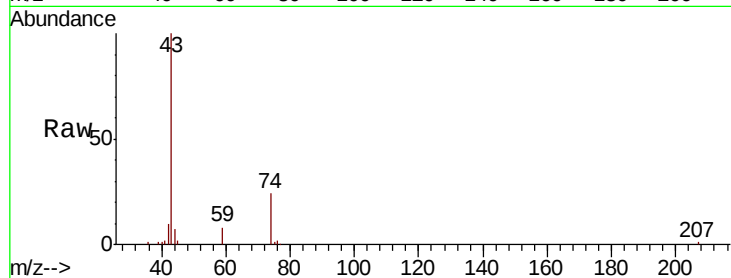




#15
Methvl Acetate
Concen: 10.960 ug/L
RT: 3.00 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

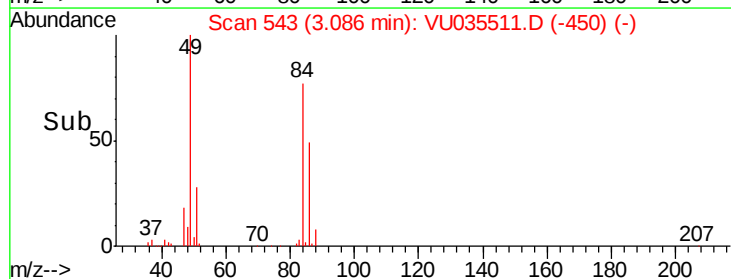
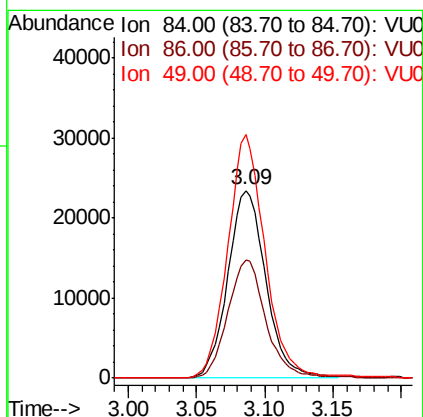
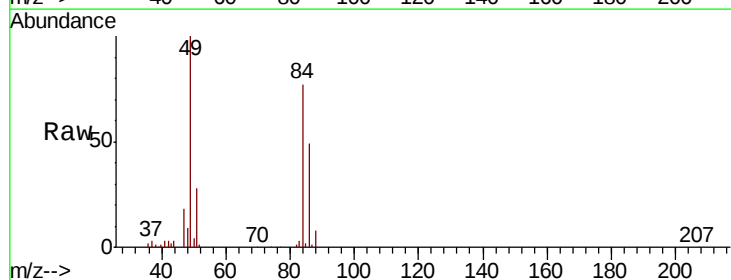
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MSVOA_U
ClientSampled :

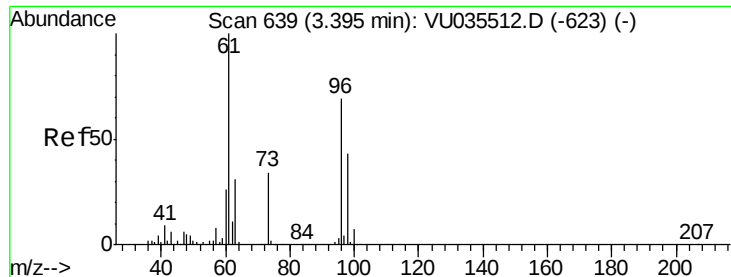
Tot Ion: 43 Resp: 49224
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.6



#16
Methylene chloride
Concen: 10.645 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion: 84 Resp: 45472
Ion Ratio Lower Upper
84 100
86 63.3 45.5 84.5
49 129.9 88.3 163.9

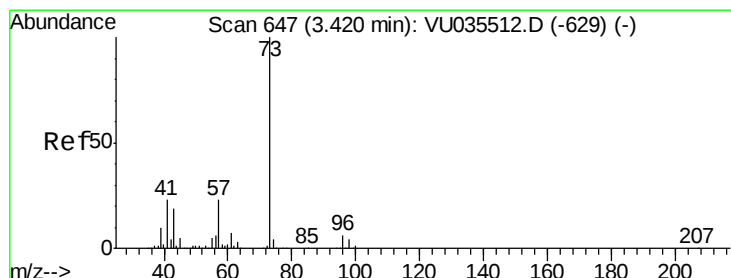
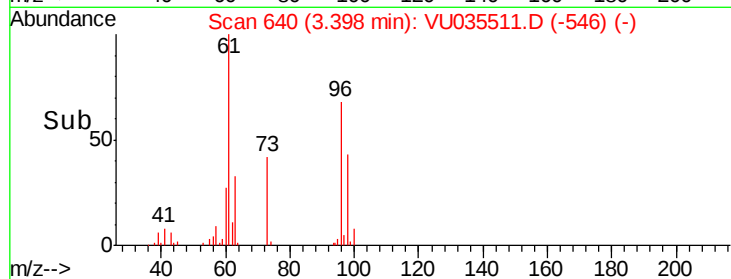
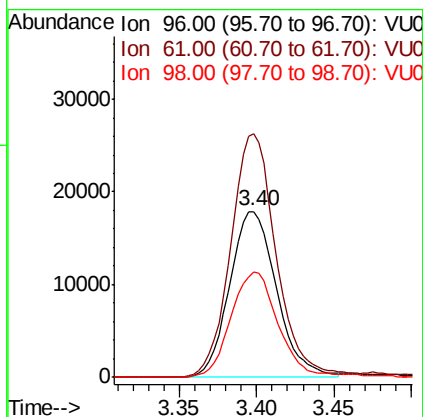
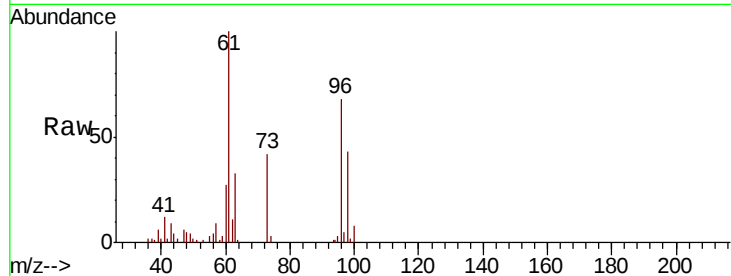




#17
trans-1,2-Dichloroethene
Concen: 9.860 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

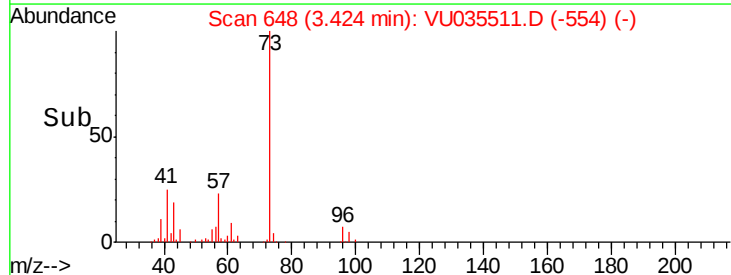
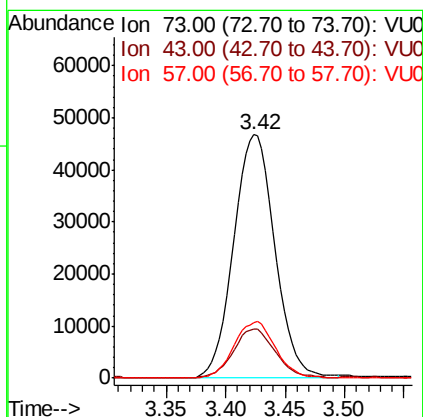
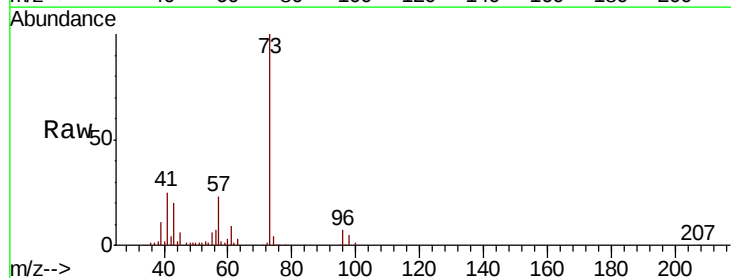
Instrument :
MSVOA_U
ClientSampleId :

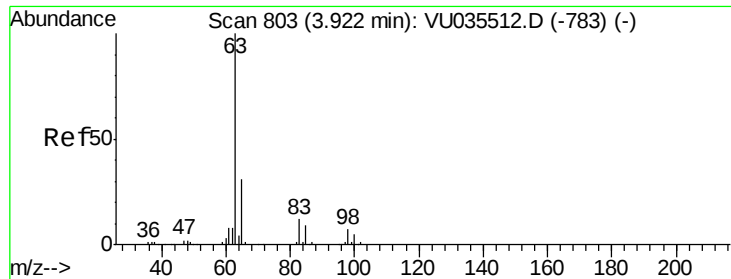
Tot Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	147.1	101.2	188.0
98	98	63.9	43.6	81.0



#18
Methyl tert-butyl Ether
Concen: 9.292 ug/L
RT: 3.42 min Scan# 648
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	20.0	15.2	22.8
57	57	23.4	18.7	28.1





#19

1,1-Dichloroethane

Concen: 10.752 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

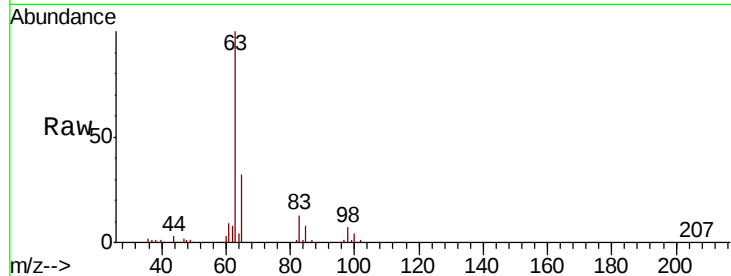
Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 63 Resp: 79420

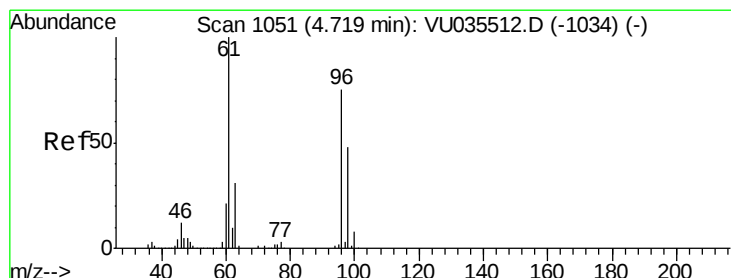
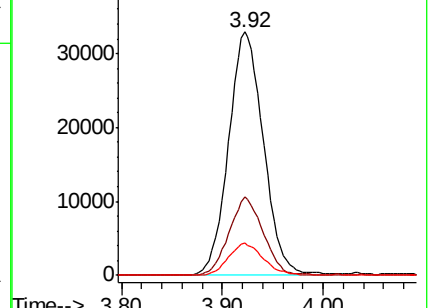
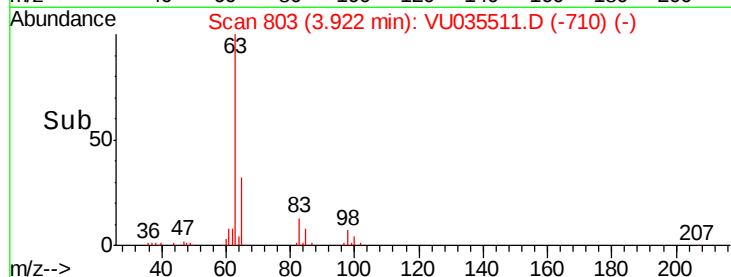
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.7	40.3
83	13.1	8.7	16.1



Abundance Ion 63.00 (62.70 to 63.70): VU035511.D (-710) (-)

Ion 65.00 (64.70 to 65.70): VU035511.D (-710) (-)

Ion 83.00 (82.70 to 83.70): VU035511.D (-710) (-)



#20

cis-1,2-Dichloroethene

Concen: 9.308 ug/L

RT: 4.72 min Scan# 1052

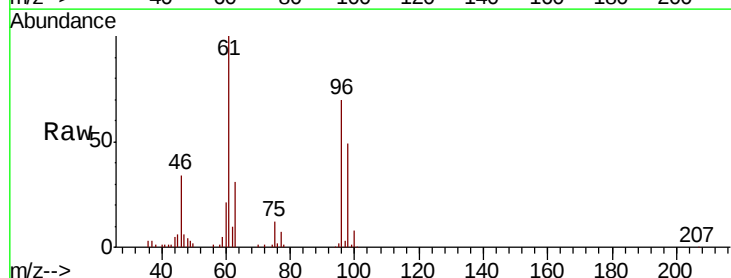
Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Tgt Ion: 96 Resp: 40447

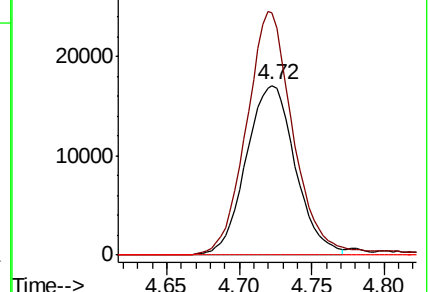
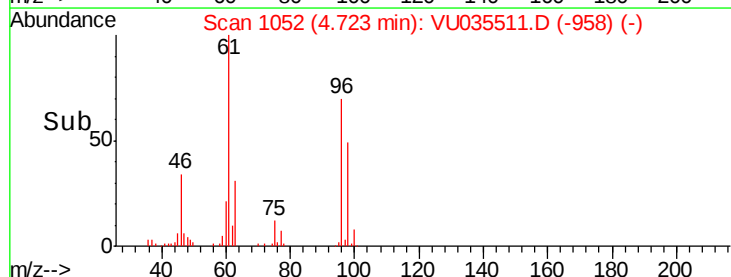
Ion	Ratio	Lower	Upper
96	100		
61	142.7	93.0	172.8
68	0.0	0.0	0.0

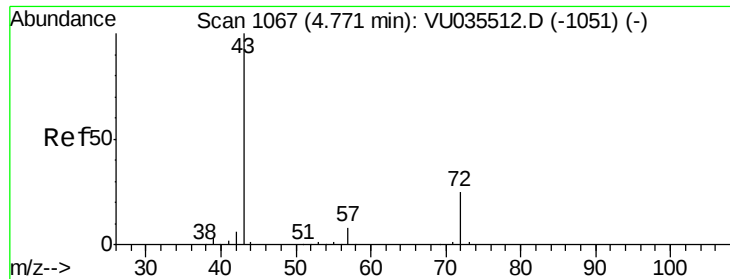


Abundance Ion 96.00 (95.70 to 96.70): VU035511.D (-958) (-)

Ion 61.00 (60.70 to 61.70): VU035511.D (-958) (-)

Ion 68.00 (67.70 to 68.70): VU035511.D (-958) (-)





#22

2-Butanone

Concen: 18.792 ug/L

RT: 4.78 min Scan# 1069

Delta R.T. 0.01 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

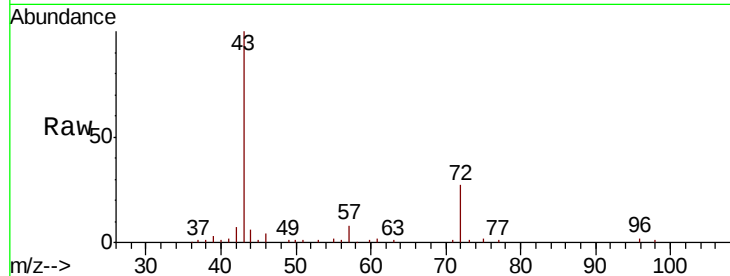
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 67994

Ion Ratio Lower Upper

43 100

72 25.7 13.4 40.1

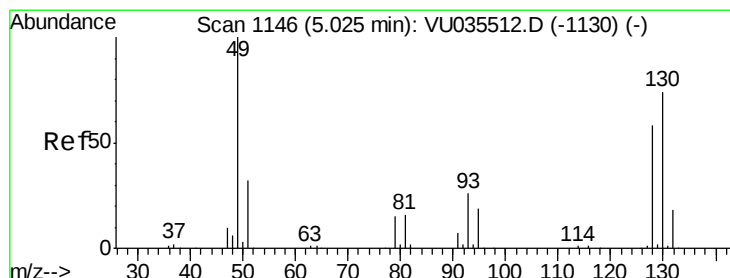
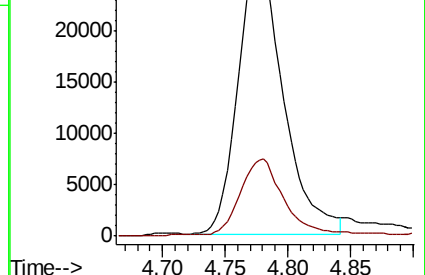
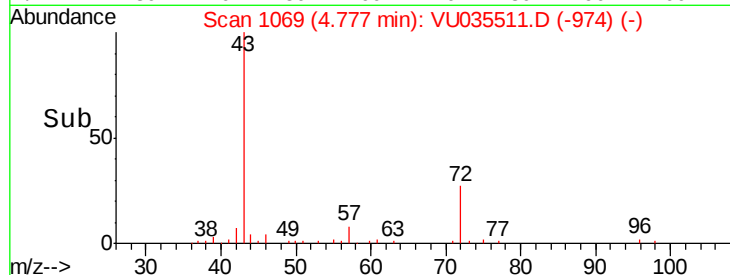


Abundance Ion 43.00 (42.70 to 43.70): VU035511.D (-974) (-)

Ion 72.00 (71.70 to 72.70): VU035511.D (-974) (-)

Time-->

4.78



#23

Bromochloromethane

Concen: 9.992 ug/L

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Tgt Ion: 128 Resp: 21807

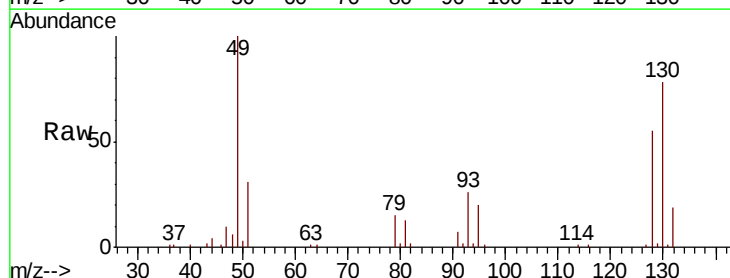
Ion Ratio Lower Upper

128 100

49 180.7 121.1 224.9

130 141.8 89.0 165.2

51 55.4 43.8 65.8



Abundance Ion 128.00 (127.70 to 128.70): VU035511.D (-1053) (-)

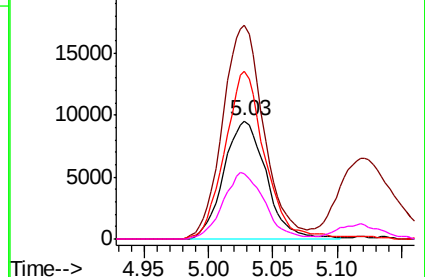
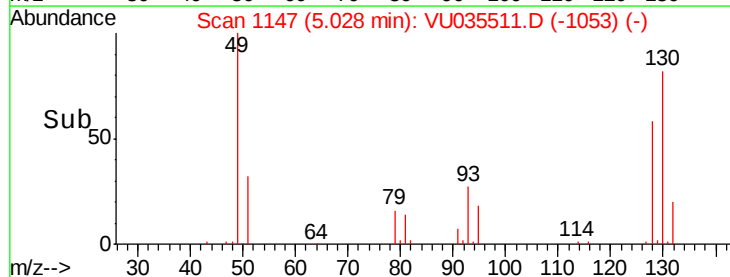
Ion 49.00 (48.70 to 49.70): VU035511.D (-1053) (-)

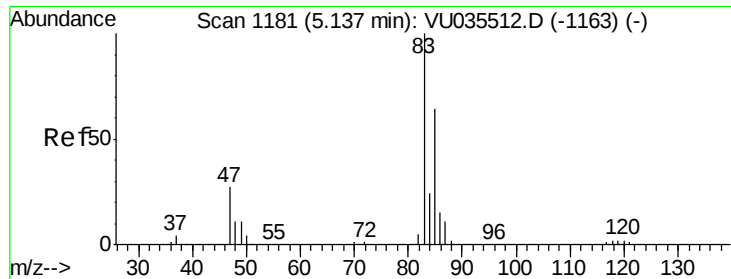
Ion 130.00 (129.70 to 130.70): VU035511.D (-1053) (-)

Ion 51.00 (50.70 to 51.70): VU035511.D (-1053) (-)

Time-->

5.03

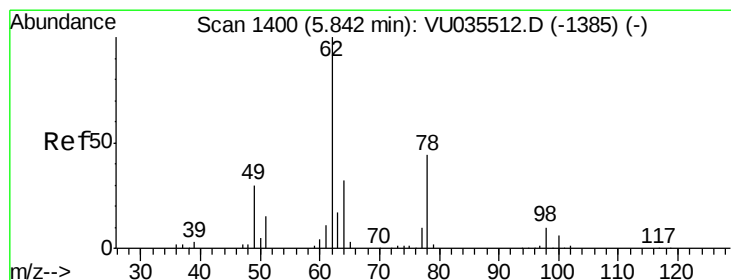
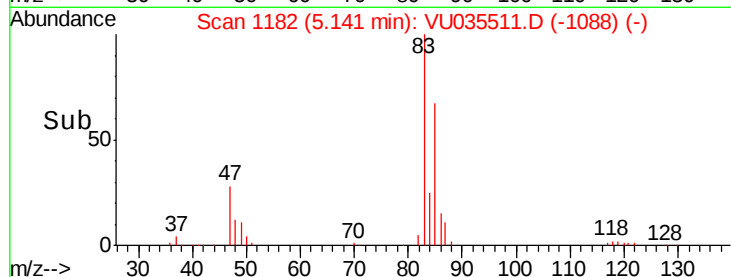
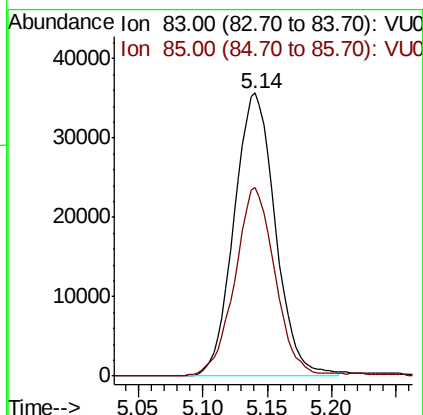
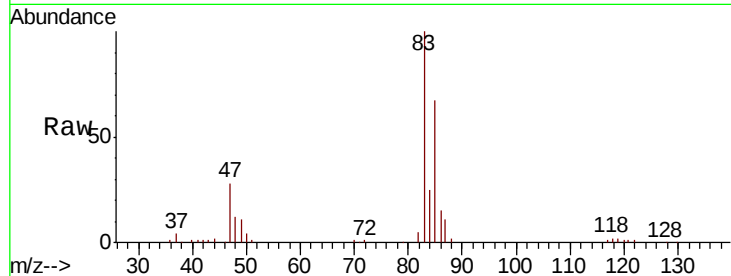




#25
Chloroform
Concen: 10.538 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

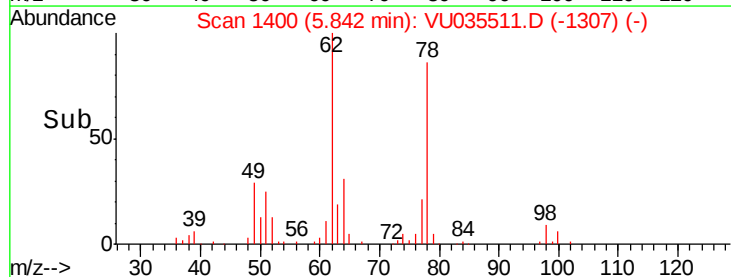
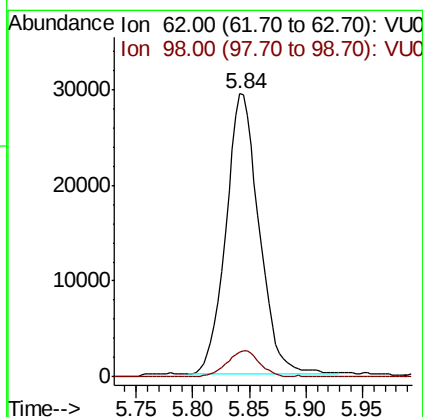
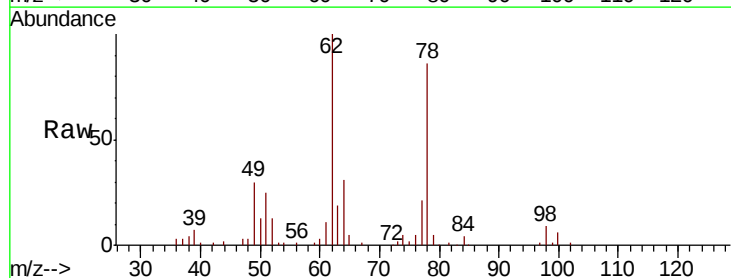
Instrument :
MSVOA_U
ClientSampleId :

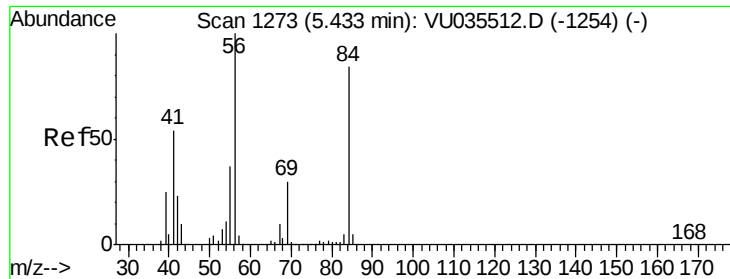
Tot Ion: 83 Resp: 79583
Ion Ratio Lower Upper
83 100
85 66.7 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.187 ug/L
RT: 5.84 min Scan# 1400
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion: 62 Resp: 59464
Ion Ratio Lower Upper
62 100
98 8.8 7.8 11.6

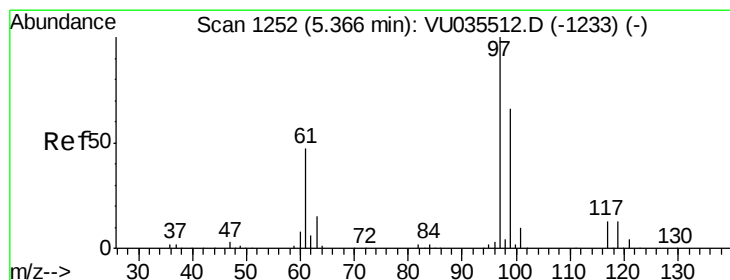
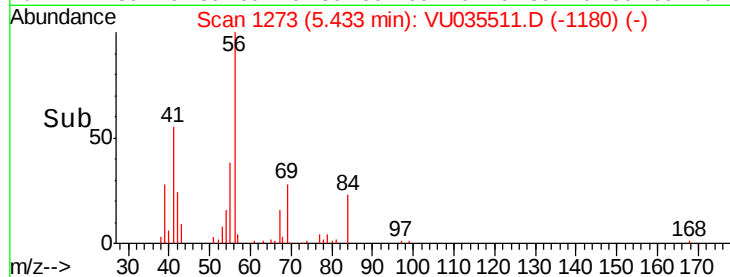
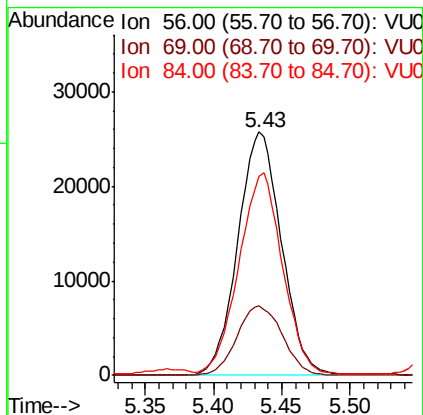
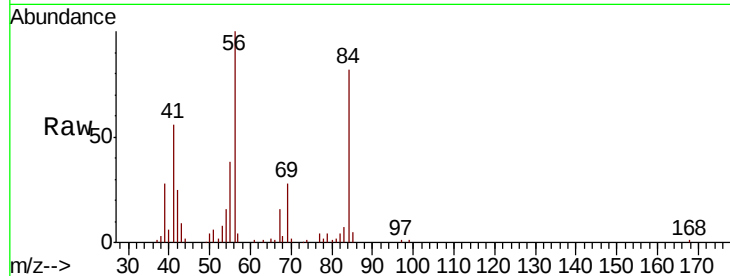




#29
Cyclohexane
Concen: 8.993 ug/L
RT: 5.43 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

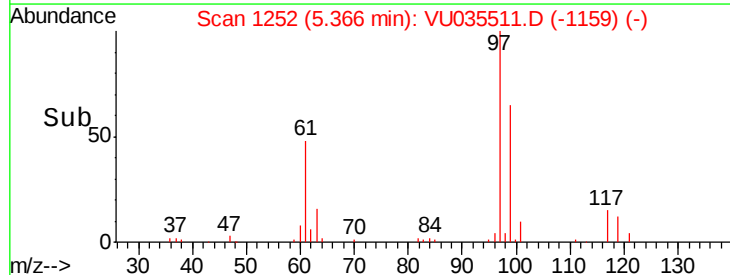
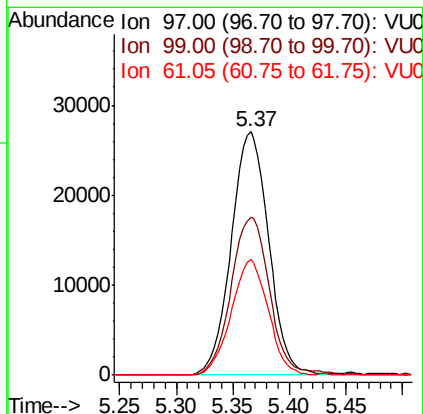
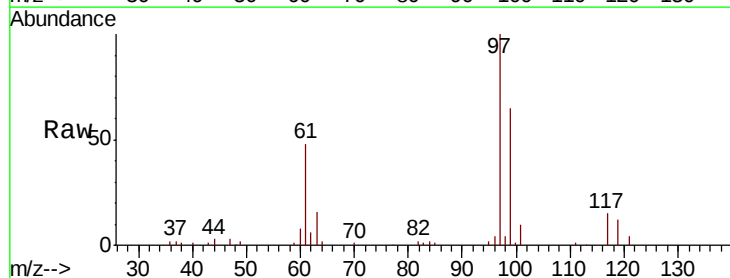
Instrument :
MSVOA_U
ClientSampleId :

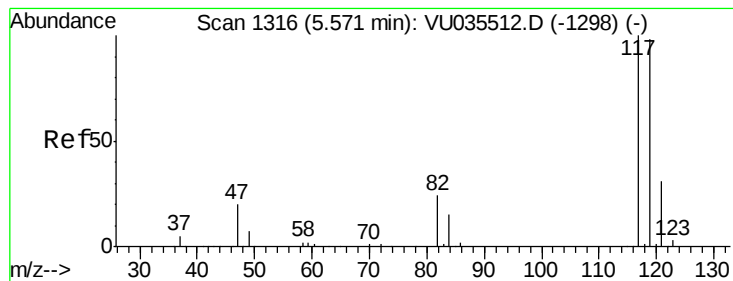
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.7	35.5
84	83.1	67.7	101.5



#30
1,1,1-Trichloroethane
Concen: 10.032 ug/L
RT: 5.37 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	46.6	37.3	55.9





#31

Carbon tetrachloride

Concen: 9.957 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

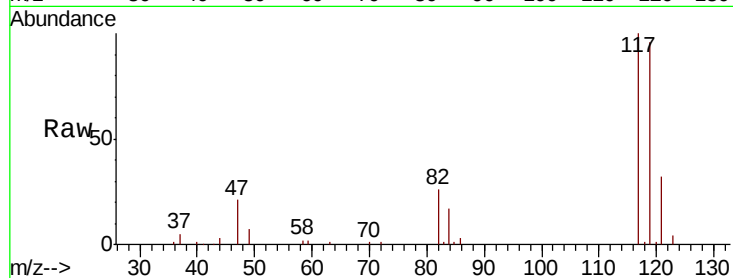
ClientSampled :

Tot Ion:117 Resp: 54210

Ion Ratio Lower Upper

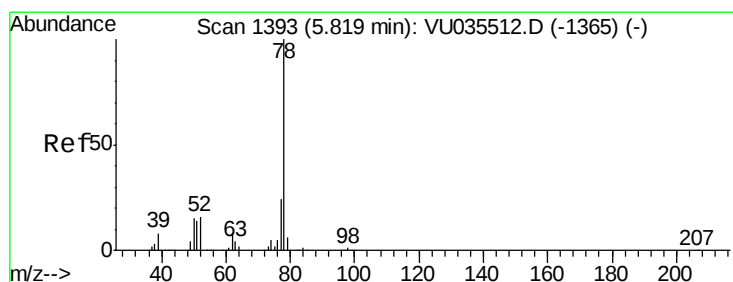
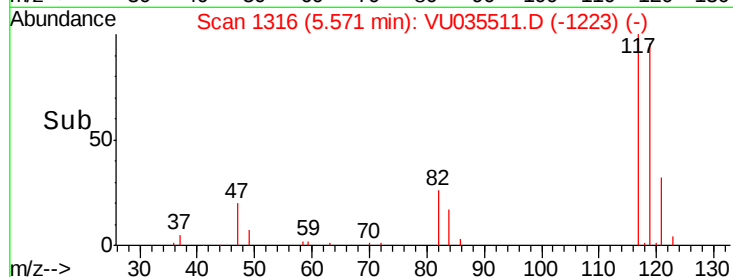
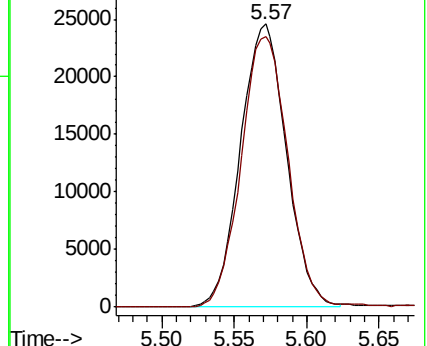
117 100

119 97.1 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.322 ug/L

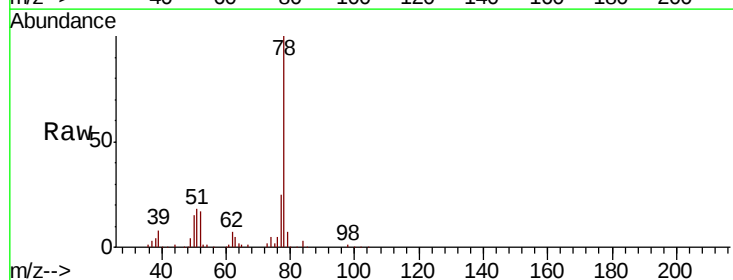
RT: 5.82 min Scan# 1393

Delta R.T. 0.00 min

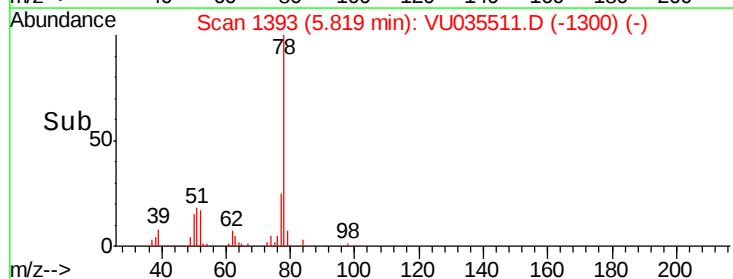
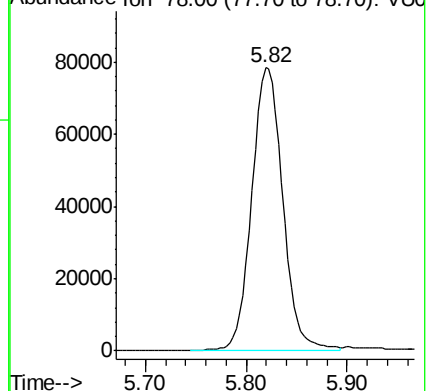
Lab File: VU035511.D

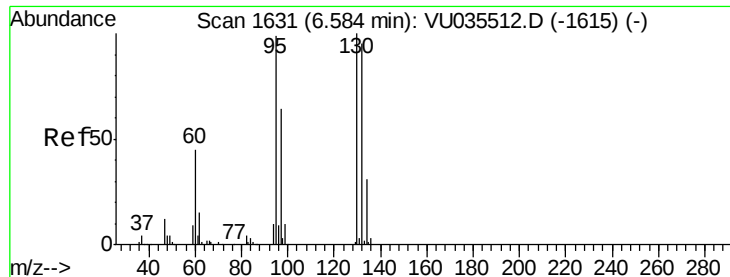
Acq: 26 Oct 2019 12:05

Tgt Ion: 78 Resp: 167727



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.879 ug/L

RT: 6.58 min Scan# 1631

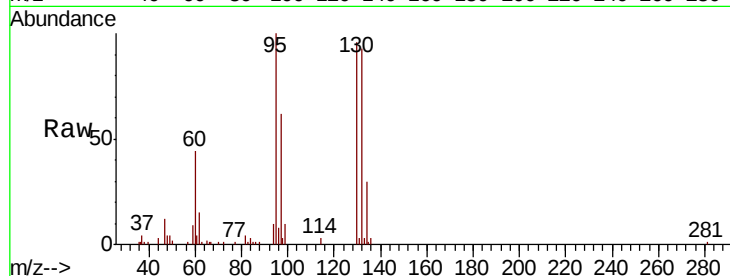
Delta R.T. 0.00 min

Lab File: VU035511.D

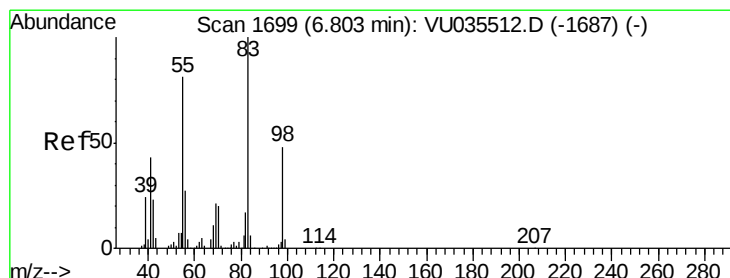
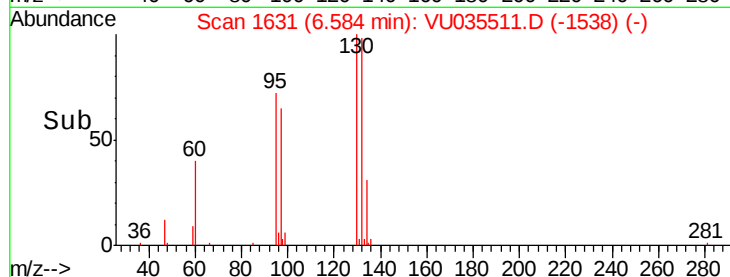
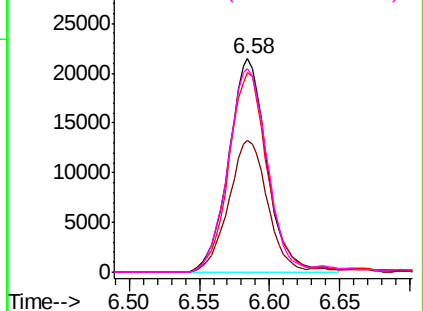
Acq: 26 Oct 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	95	Resp:	40736
Ion	Ratio	Lower	Upper
95	100		
97	61.7	45.1	83.7
132	93.2	67.2	124.8
130	95.6	70.6	131.0



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 8.125 ug/L

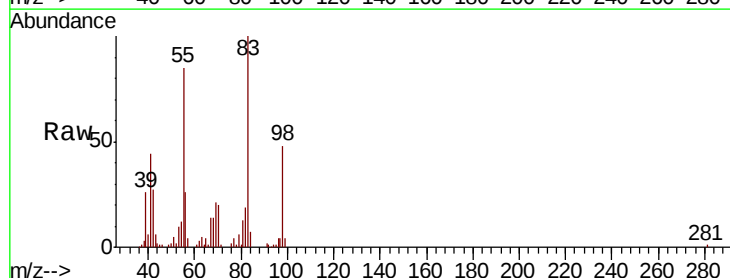
RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

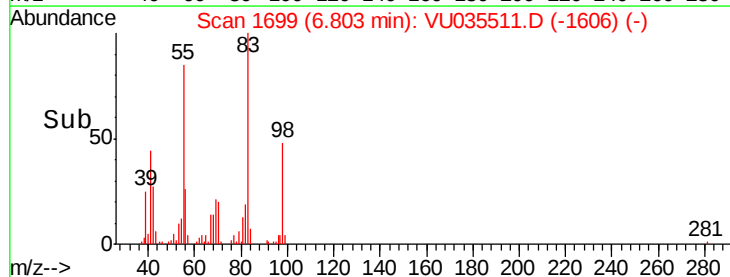
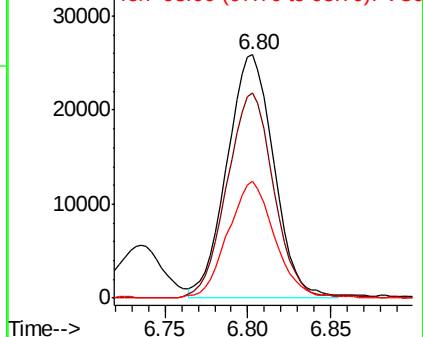
Lab File: VU035511.D

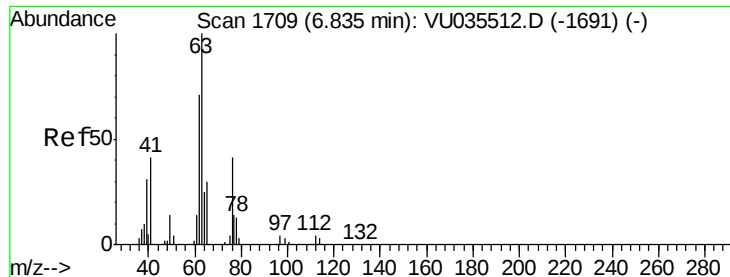
Acq: 26 Oct 2019 12:05

Tgt Ion:	83	Resp:	51006
Ion	Ratio	Lower	Upper
83	100		
55	83.5	65.1	97.7
98	47.4	38.9	58.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 11.080 ug/L

RT: 6.84 min Scan# 1709

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

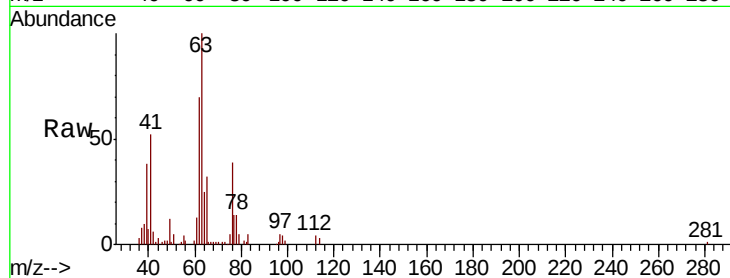
ClientSampleId :

Tot Ion: 63 Resp: 46929

Ion Ratio Lower Upper

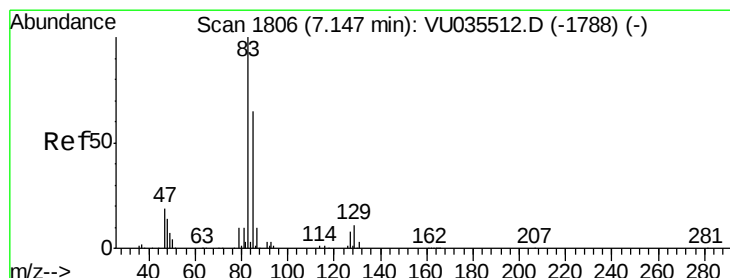
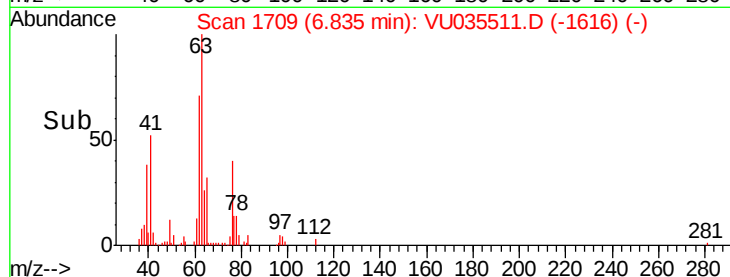
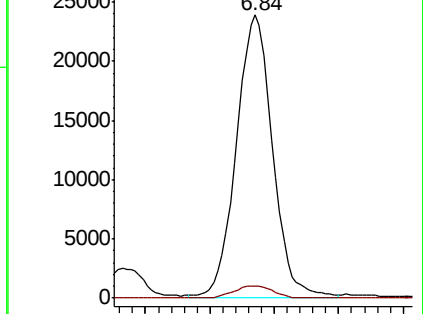
63 100

112 4.5 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VU035511.D (-1616) (-)

Ion 112.00 (111.70 to 112.70): VU035511.D (-1616) (-)



#38

Bromodichloromethane

Concen: 10.134 ug/L

RT: 7.15 min Scan# 1806

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

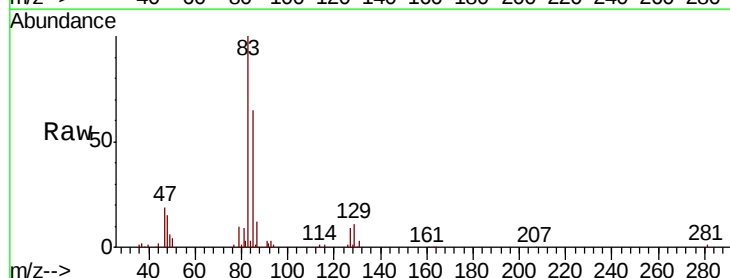
Tgt Ion: 83 Resp: 56808

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6

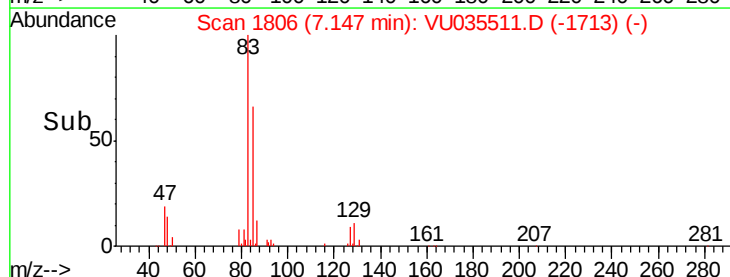
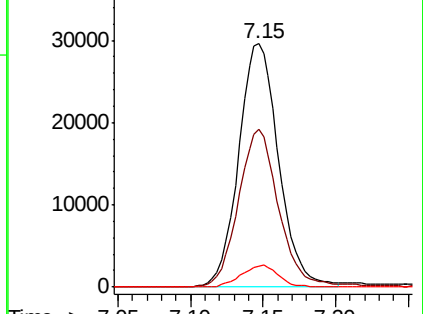
127 8.8 6.6 10.0

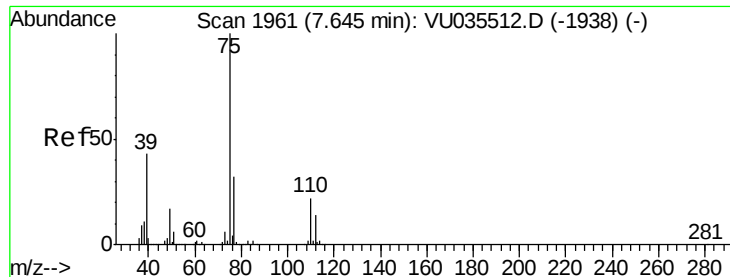


Abundance Ion 83.00 (82.70 to 83.70): VU035511.D (-1713) (-)

Ion 85.00 (84.70 to 85.70): VU035511.D (-1713) (-)

Ion 127.00 (126.70 to 127.70): VU035511.D (-1713) (-)



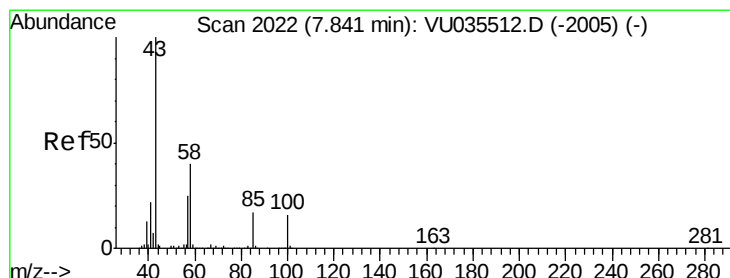
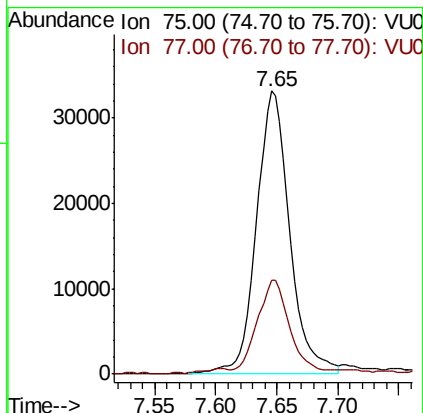
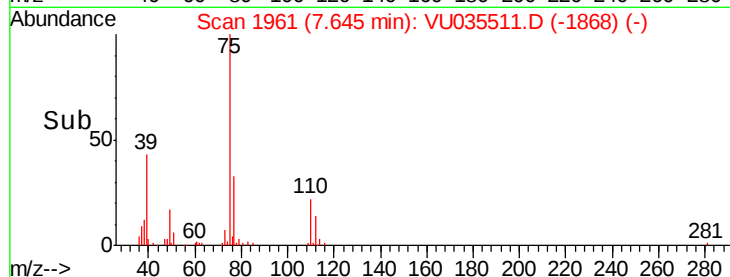
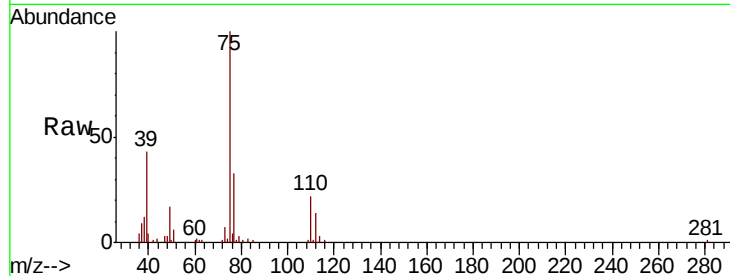


#39

cis-1,3-Dichloropropene
 Concen: 9.278 ug/L
 RT: 7.65 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Instrument :
 MSVOA_U
 ClientSampleId :

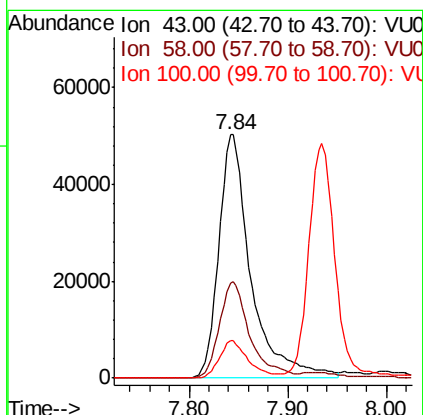
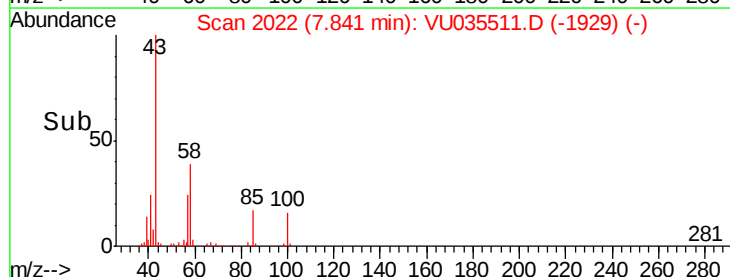
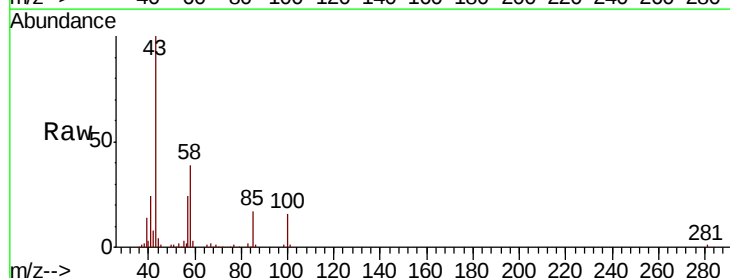
Tot Ion: 75 Resp: 62812
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.2 41.2

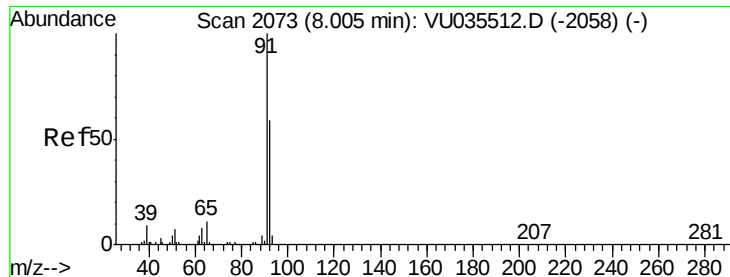


#40

4-Methyl-2-pentanone
 Concen: 18.469 ug/L
 RT: 7.84 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Tgt Ion: 43 Resp: 114698
 Ion Ratio Lower Upper
 43 100
 58 37.7 31.9 47.9
 100 13.9 12.3 18.5





#42

Toluene

Concen: 9.416 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

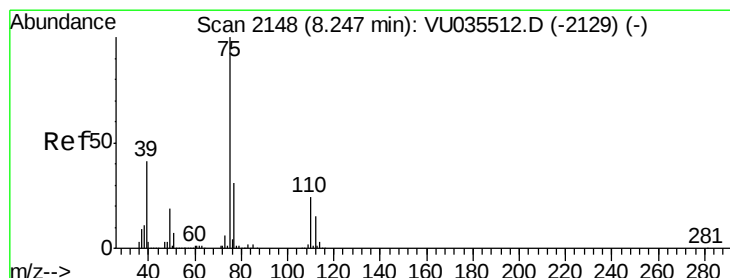
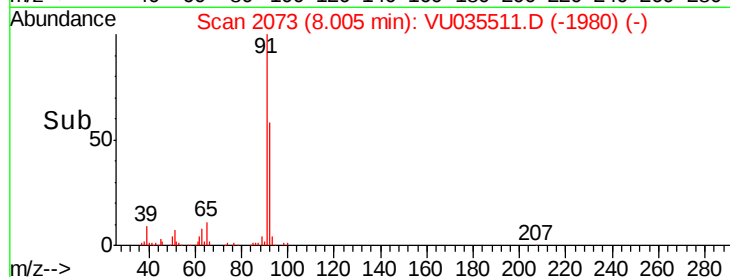
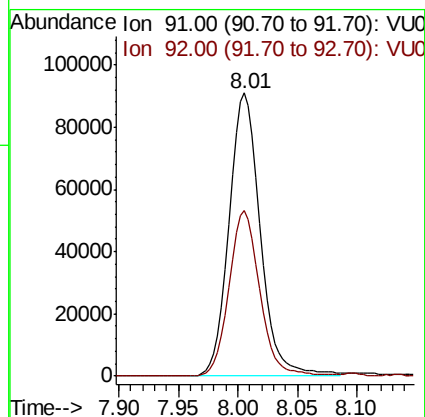
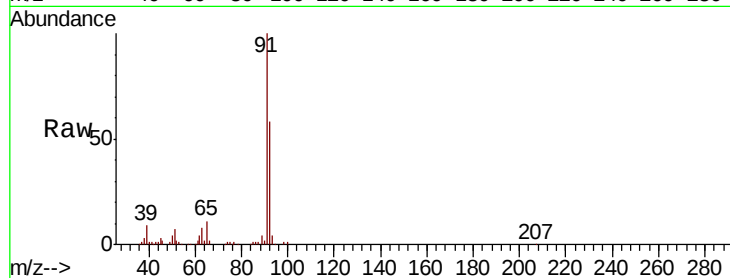
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 166183

Ion Ratio Lower Upper

91 100

92 58.4 41.0 76.2



#44

trans-1,3-Dichloropropene

Concen: 8.794 ug/L

RT: 8.25 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VU035511.D

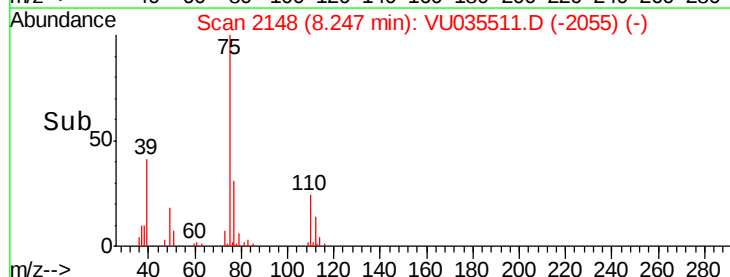
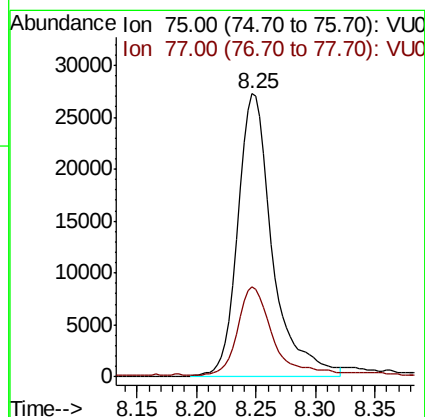
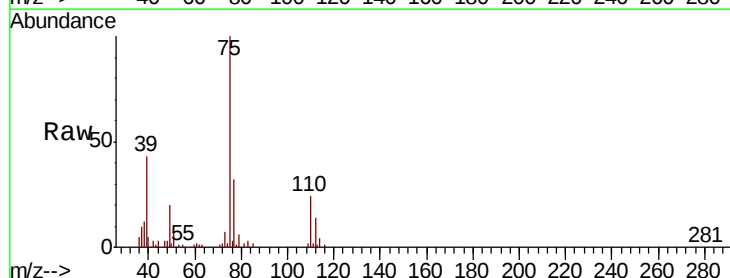
Acq: 26 Oct 2019 12:05

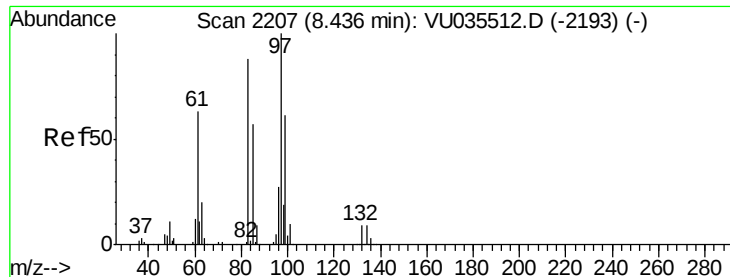
Tgt Ion: 75 Resp: 55327

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7





#45

1,1,2-Trichloroethane

Concen: 10.238 ug/L

RT: 8.44 min Scan# 2207

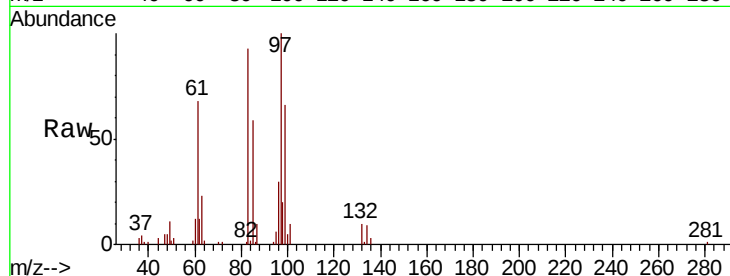
Delta R.T. 0.00 min

Lab File: VU035511.D

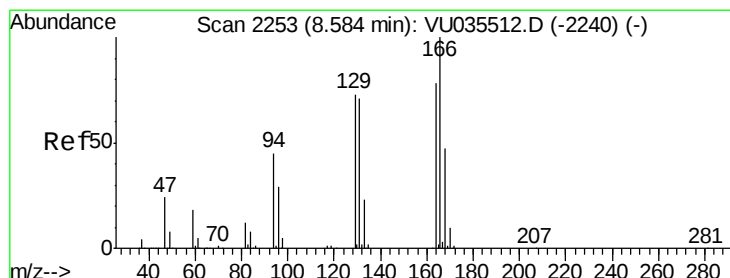
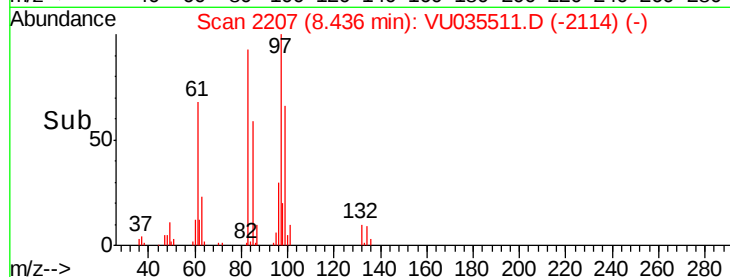
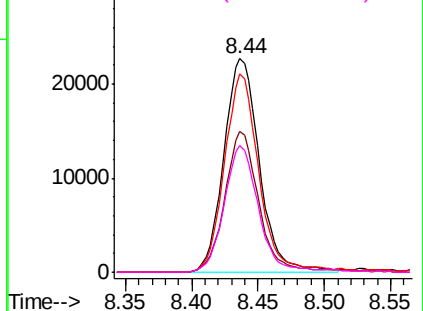
Acq: 26 Oct 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	42271
Ion	Ratio	Lower	Upper
97	100		
99	66.1	42.7	79.3
83	93.1	61.7	114.5
85	59.2	40.3	74.8



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 9.517 ug/L

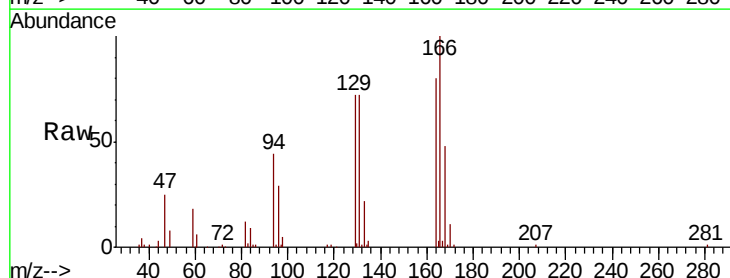
RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

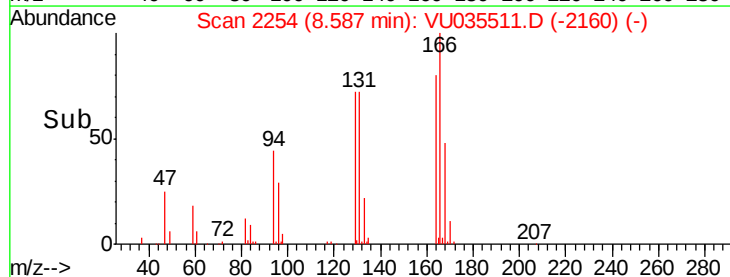
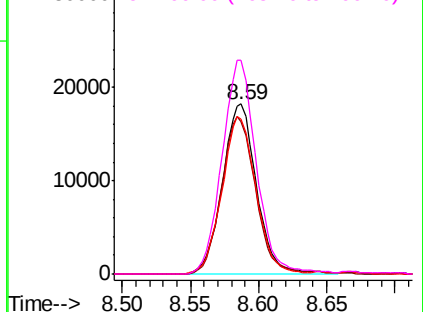
Lab File: VU035511.D

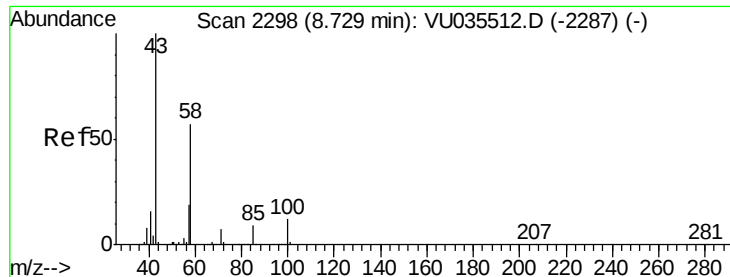
Acq: 26 Oct 2019 12:05

Tgt Ion:	164	Resp:	31591
Ion	Ratio	Lower	Upper
164	100		
129	90.0	65.9	122.3
131	91.0	63.6	118.0
166	125.7	89.8	166.8



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

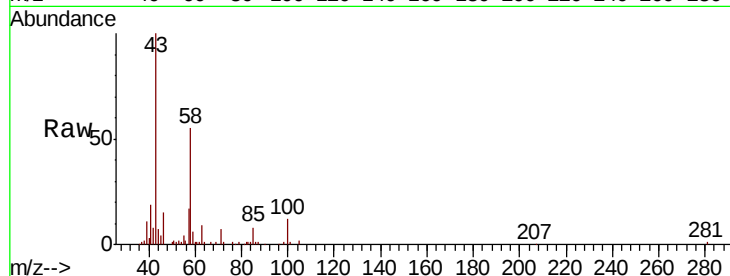




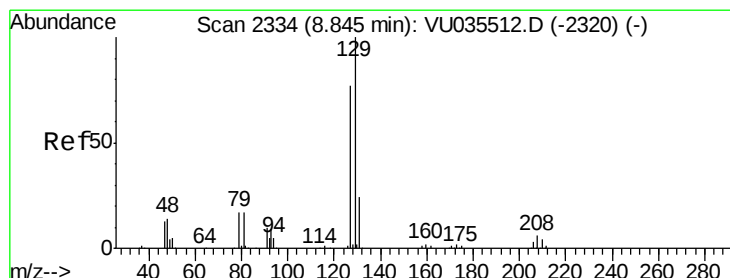
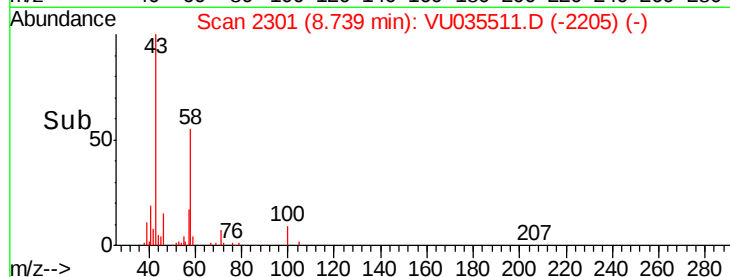
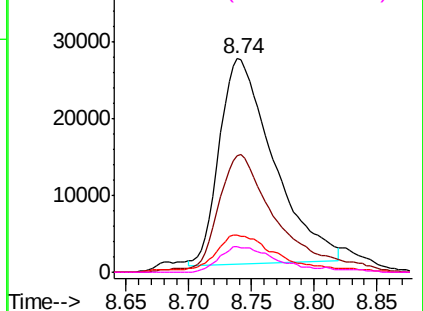
#48
2-Hexanone
Concen: 15.313 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 80504
Ion Ratio Lower Upper
43 100
58 62.6 45.6 68.4
57 17.9 14.1 21.1
100 12.8 9.2 13.8

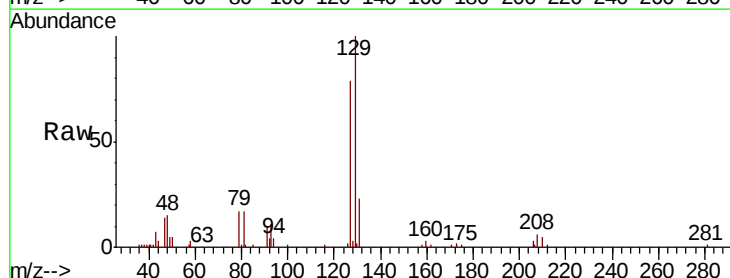


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

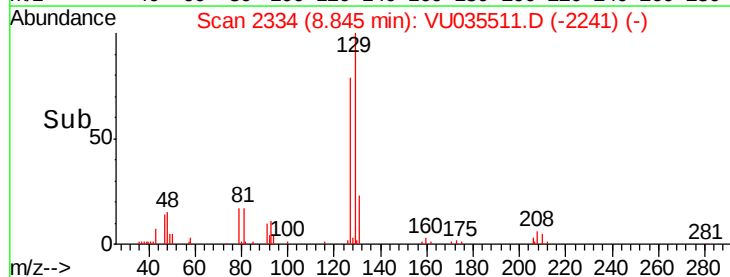
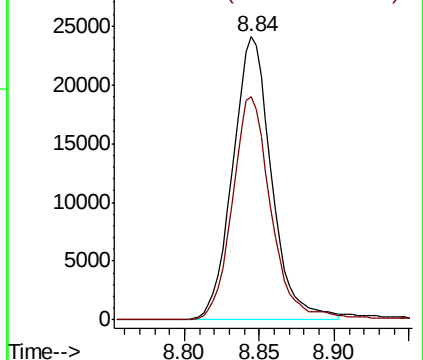


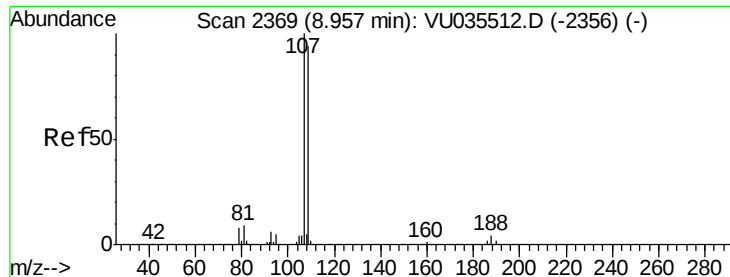
#49
Dibromochloromethane
Concen: 9.524 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion: 129 Resp: 43628
Ion Ratio Lower Upper
129 100
127 79.0 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

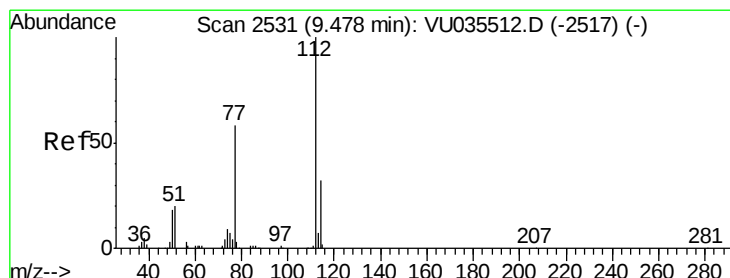
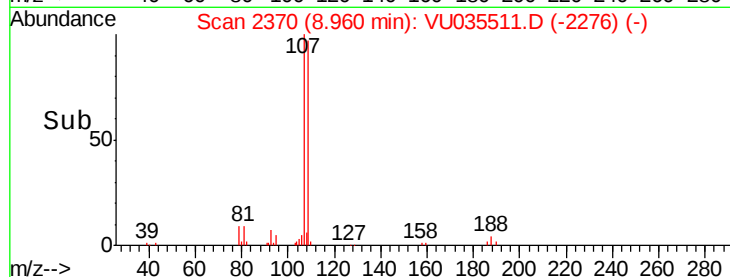
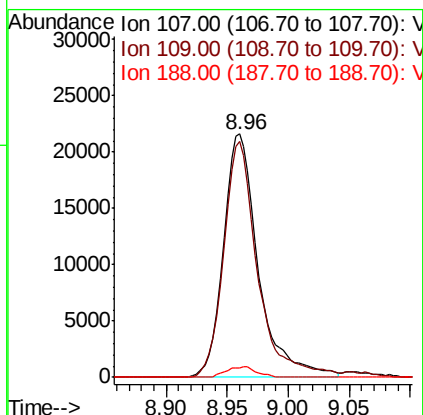
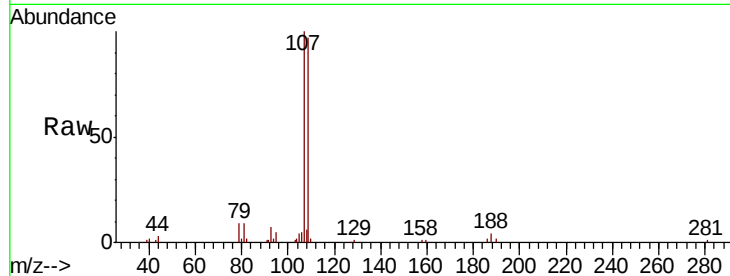




#50
1,2-Dibromoethane
Concen: 9.555 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

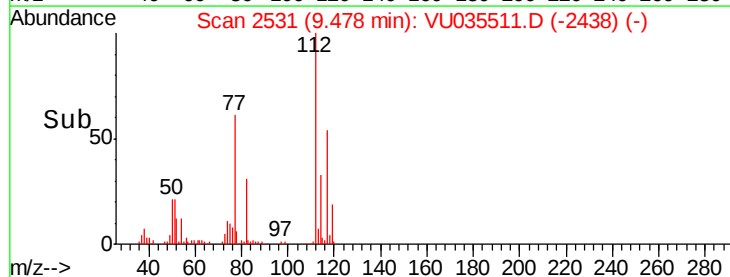
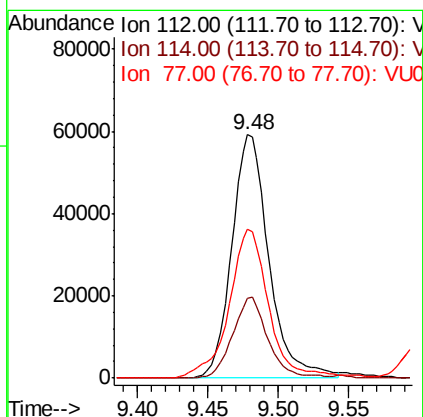
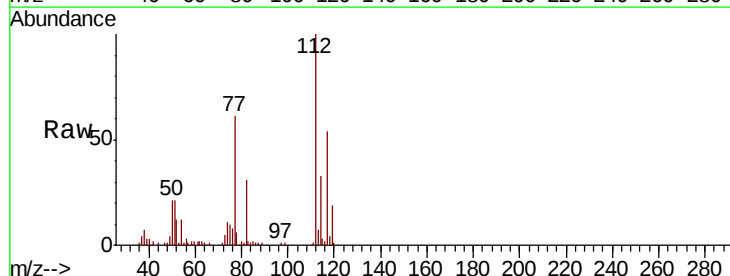
Instrument :
MSVOA_U
ClientSampleId :

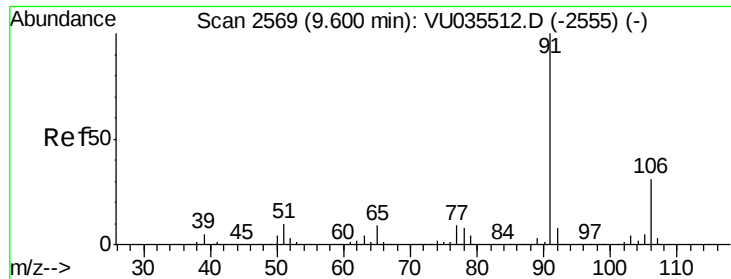
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	65.7	122.1
188	4.0	3.1	4.7



#51
Chlorobenzene
Concen: 9.532 ug/L
RT: 9.48 min Scan# 2531
Delta R.T. 0.00 min
Lab File: VU035511.D
Acq: 26 Oct 2019 12:05

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	22.1	41.1
77	61.0	46.7	70.1





#52

Ethylbenzene

Concen: 8.463 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

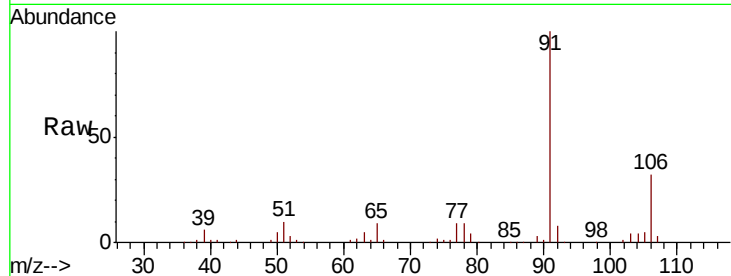
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 165329

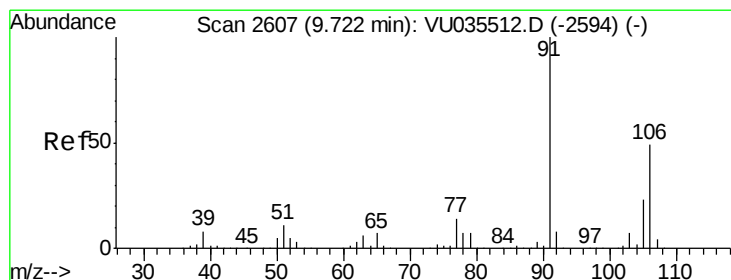
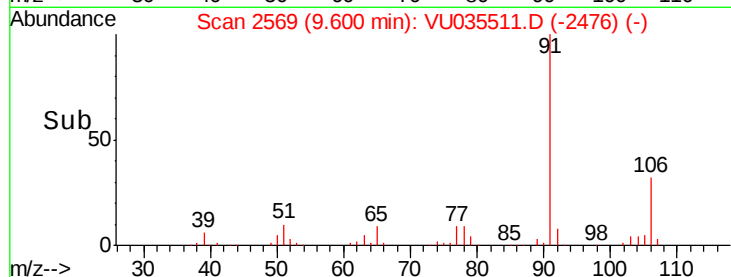
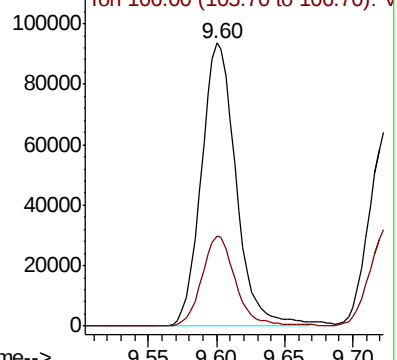
Ion Ratio Lower Upper

91 100

106 32.0 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU035511.D (-2476) (-)



#53

m,p-Xylene

Concen: 8.090 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035511.D

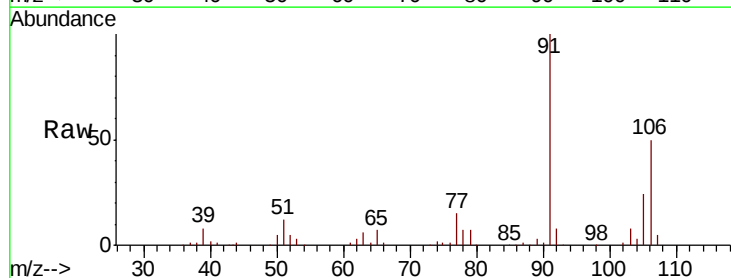
Acq: 26 Oct 2019 12:05

Tgt Ion: 106 Resp: 58644

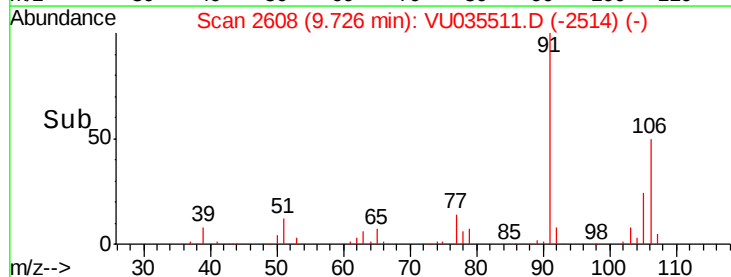
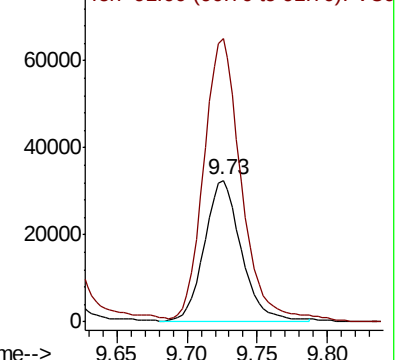
Ion Ratio Lower Upper

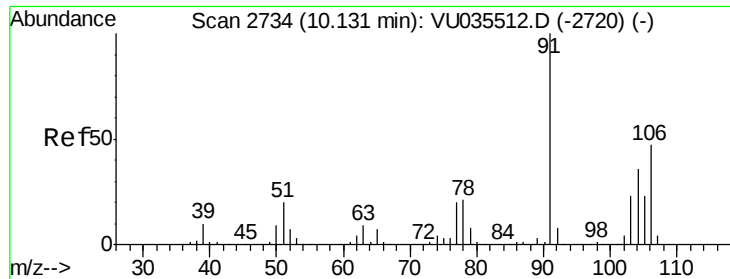
106 100

91 200.0 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): VU035511.D (-2514) (-)





#54

o-xylene

Concen: 8.171 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

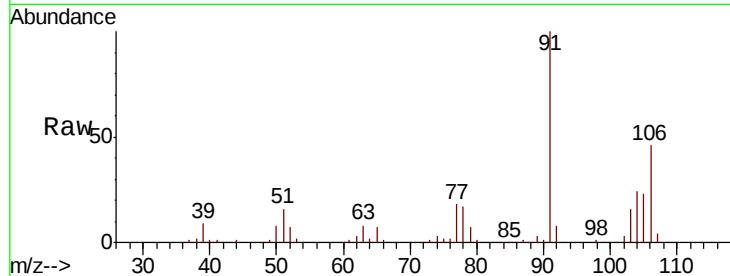
ClientSampled :

Tot Ion:106 Resp: 58288

Ion Ratio Lower Upper

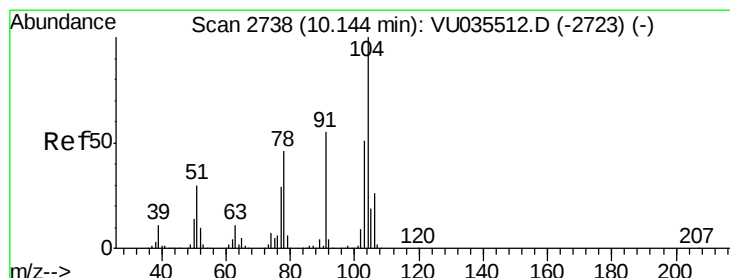
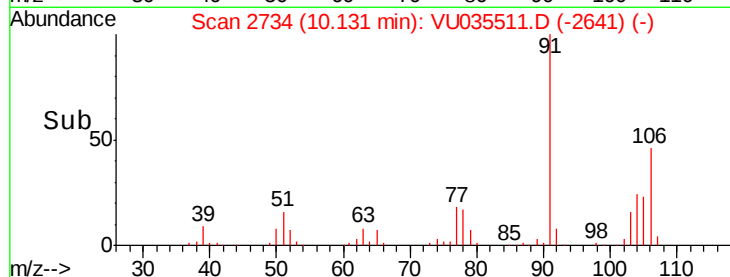
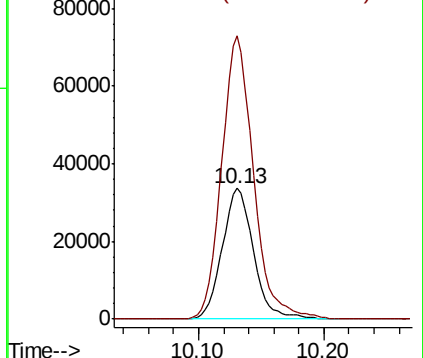
106 100

91 216.3 150.3 279.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 7.709 ug/L

RT: 10.15 min Scan# 2739

Delta R.T. 0.00 min

Lab File: VU035511.D

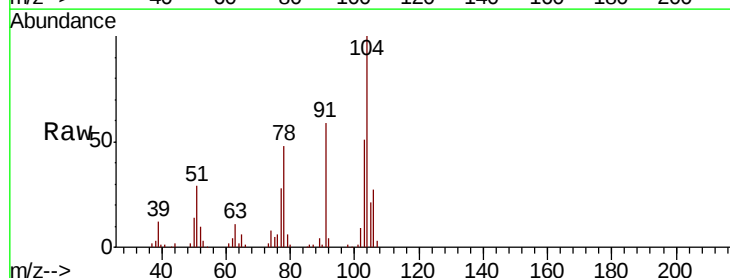
Acq: 26 Oct 2019 12:05

Tgt Ion:104 Resp: 89601

Ion Ratio Lower Upper

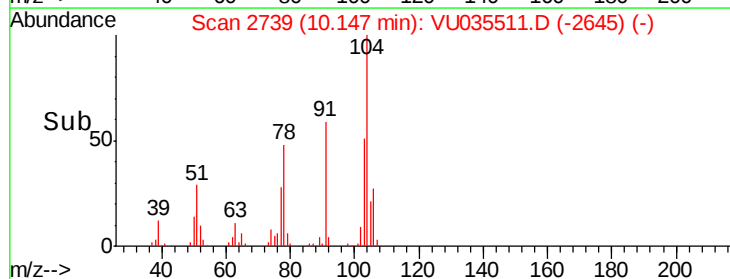
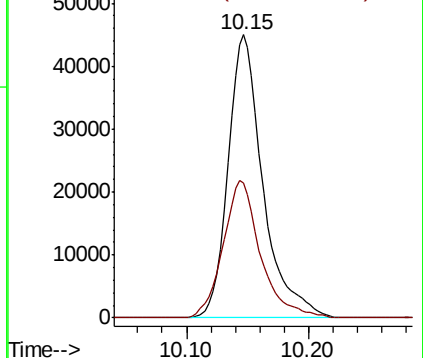
104 100

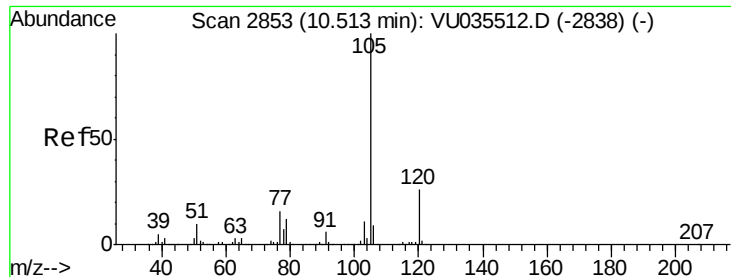
78 47.9 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 7.843 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

ClientSampled :

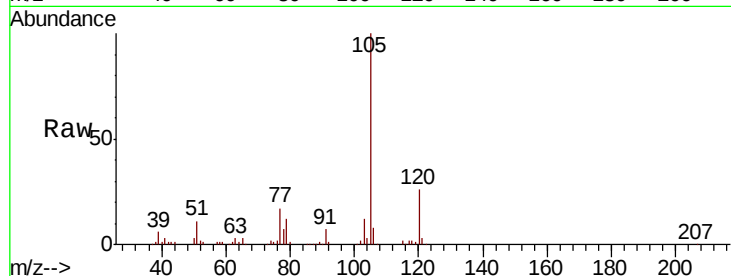
Tot Ion:105 Resp: 143968

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.4

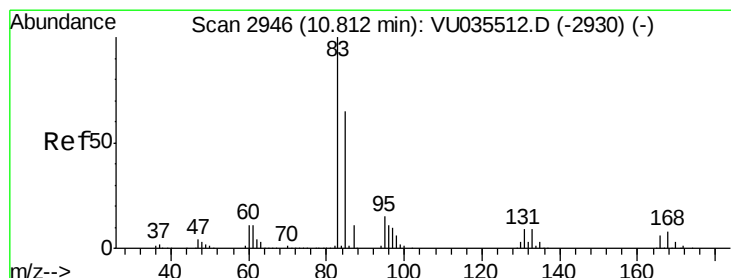
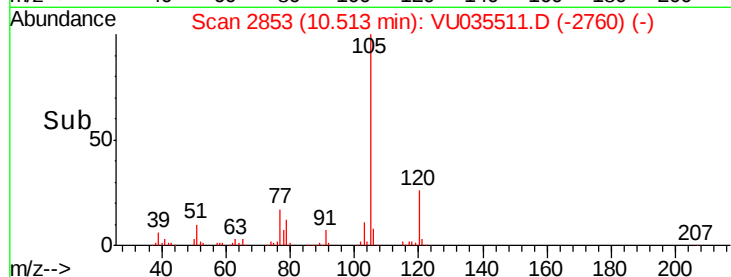
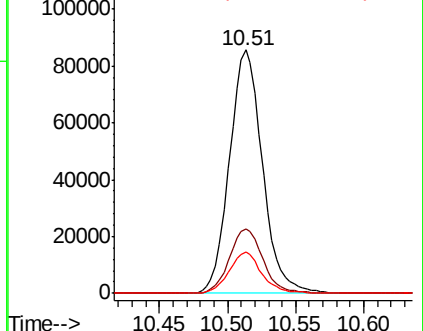
77 16.6 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.991 ug/L

RT: 10.81 min Scan# 2946

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

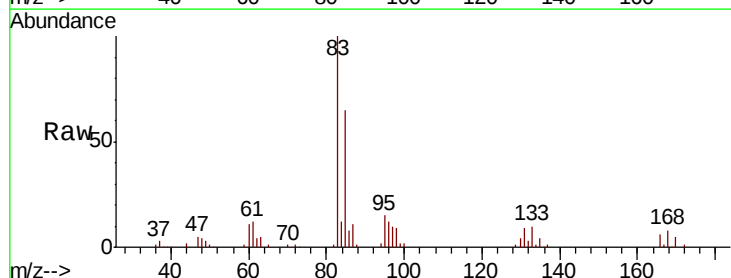
Tgt Ion: 83 Resp: 72065

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4

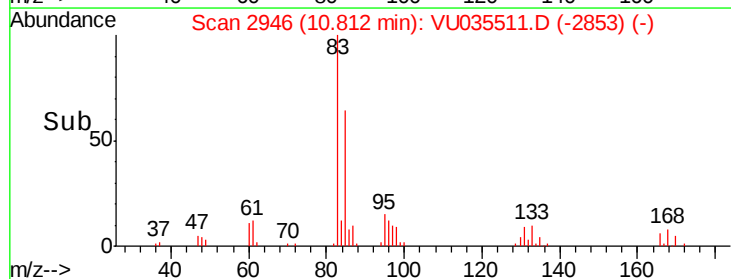
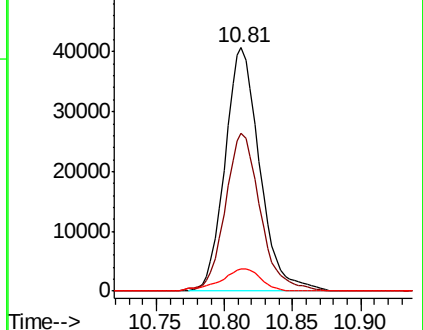
131 9.1 7.5 11.3

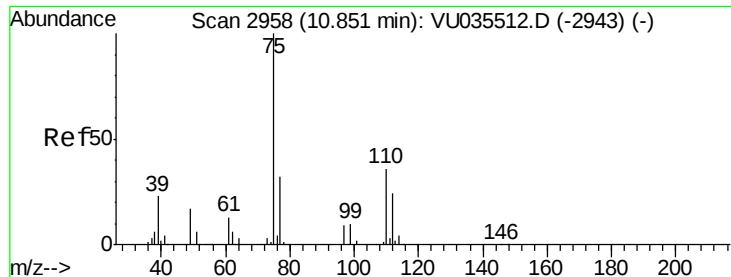


Abundance Ion 83.00 (82.70 to 83.70): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 131.00 (130.70 to 131.70): V

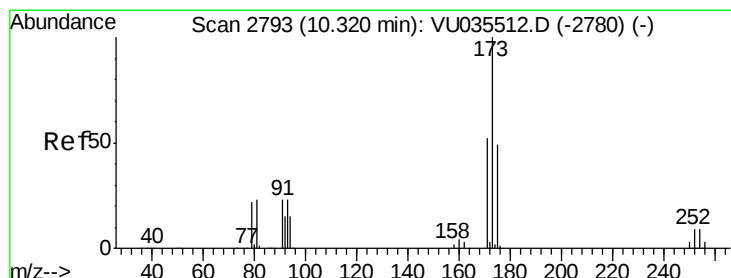
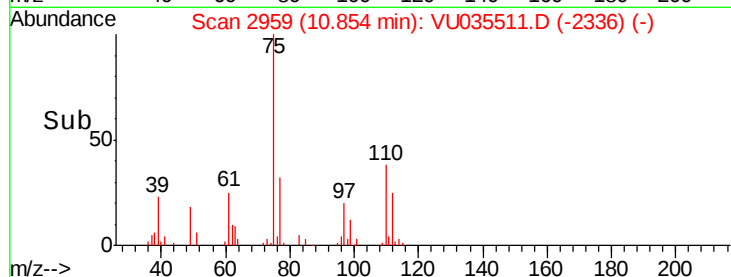
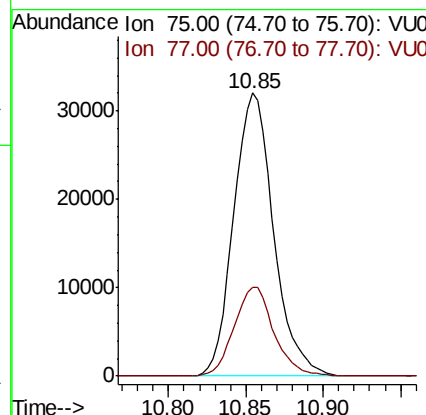
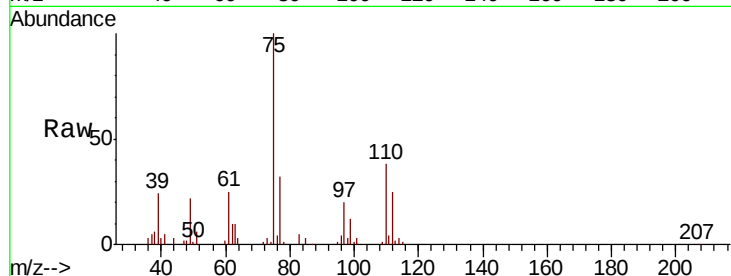




#59
 1,2,3-Trichloropropane
 Concen: 10.018 ug/L
 RT: 10.85 min Scan# 2959
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

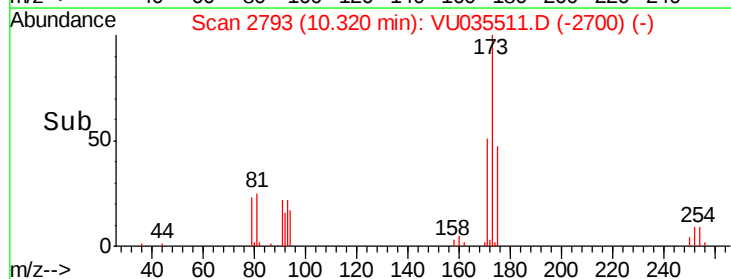
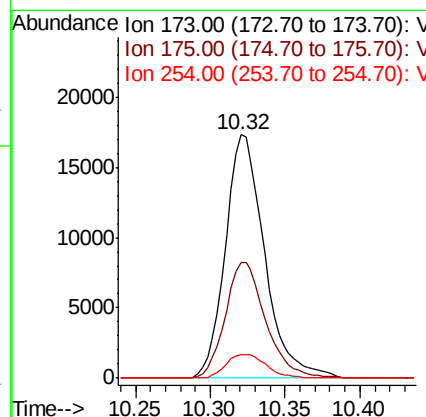
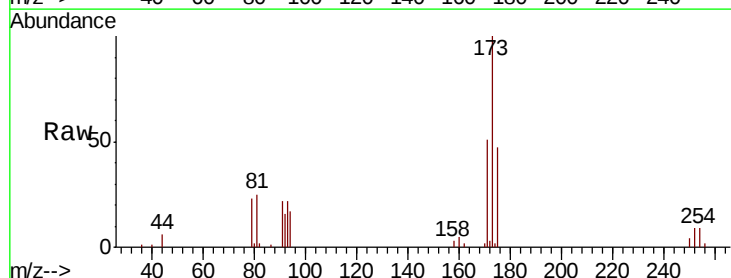
Instrument :
 MSVOA_U
 ClientSampleId :

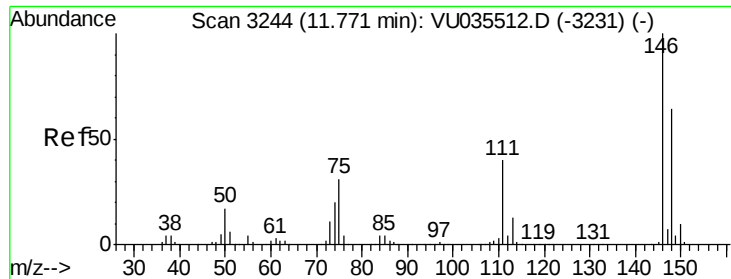
Tot Ion: 75 Resp: 57375
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.2



#61
 Bromoform
 Concen: 11.115 ug/L
 RT: 10.32 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Tgt Ion: 173 Resp: 31700
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.3 58.9
 254 9.8 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 9.408 ug/L

RT: 11.77 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

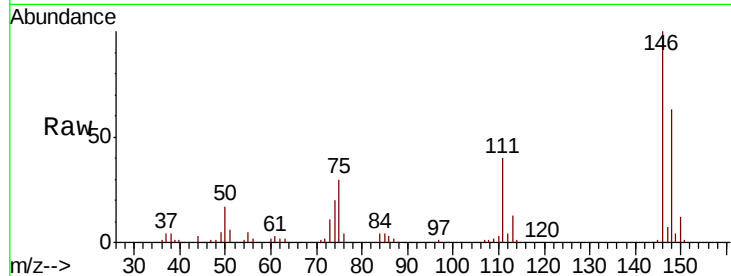
Tot Ion:146 Resp: 60739

Ion Ratio Lower Upper

146 100

111 40.3 28.1 52.1

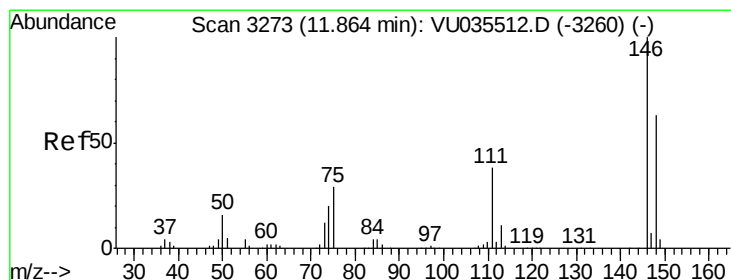
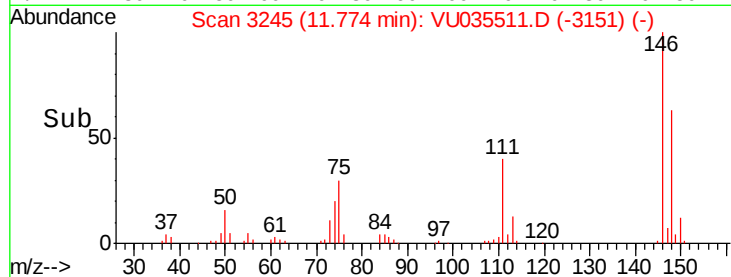
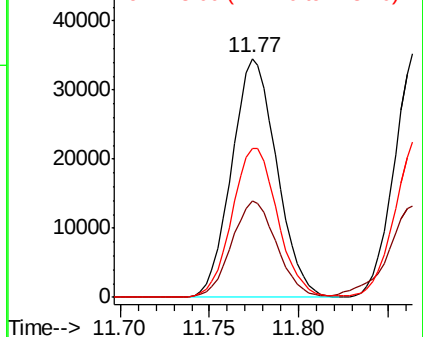
148 62.7 45.0 83.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.673 ug/L

RT: 11.87 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

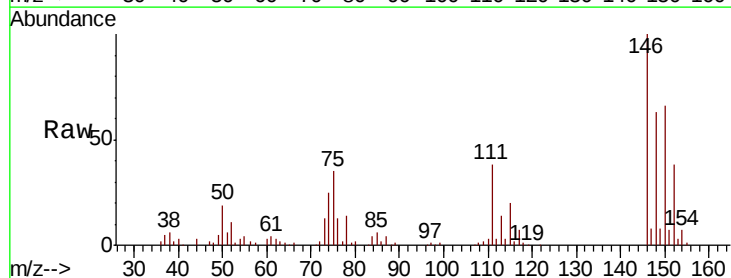
Tgt Ion:146 Resp: 62620

Ion Ratio Lower Upper

146 100

111 37.5 26.7 49.5

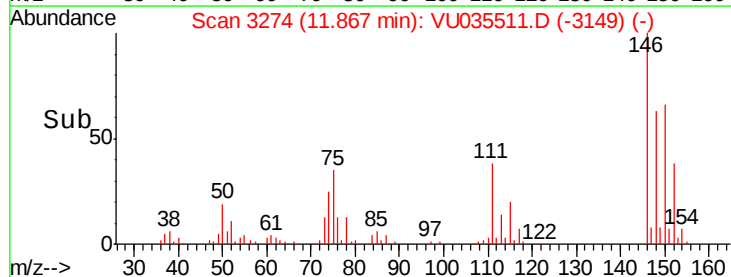
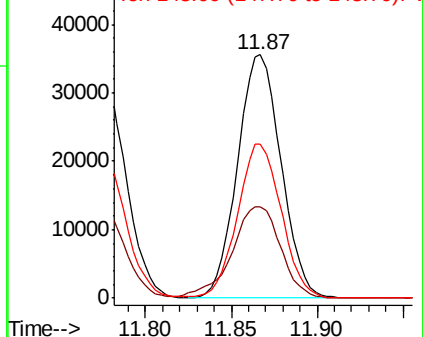
148 63.4 44.4 82.4

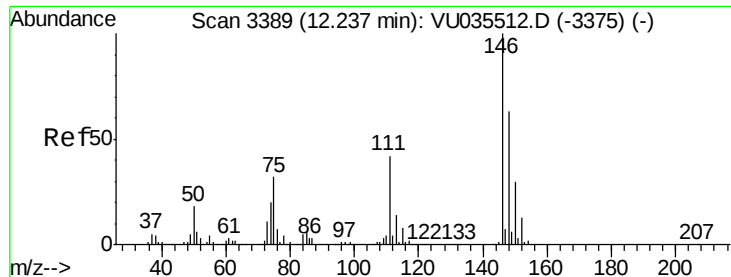


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

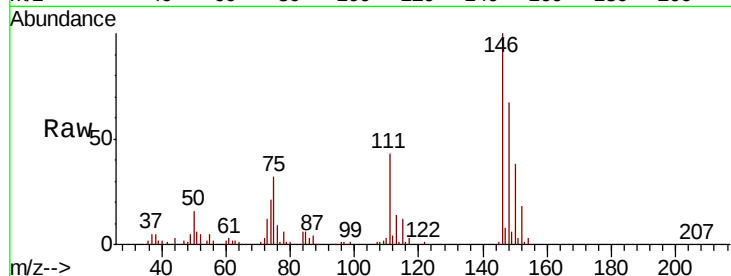




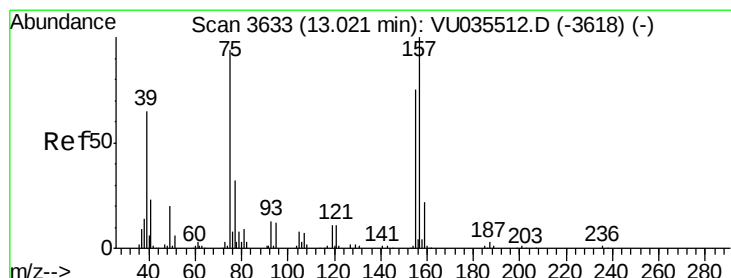
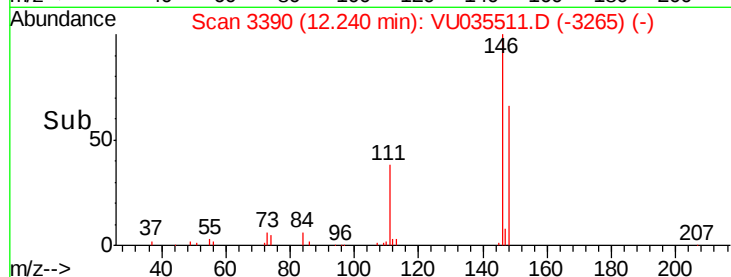
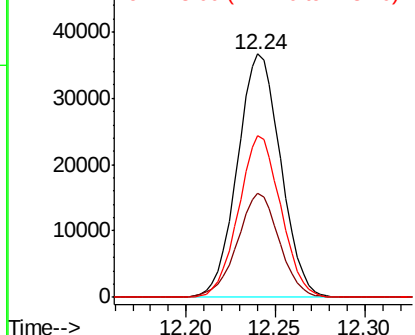
#65
 1,2-Dichlorobenzene
 Concen: 9.643 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:146 Resp: 62193
 Ion Ratio Lower Upper
 146 100
 111 42.6 33.6 50.4
 148 66.6 50.3 75.5

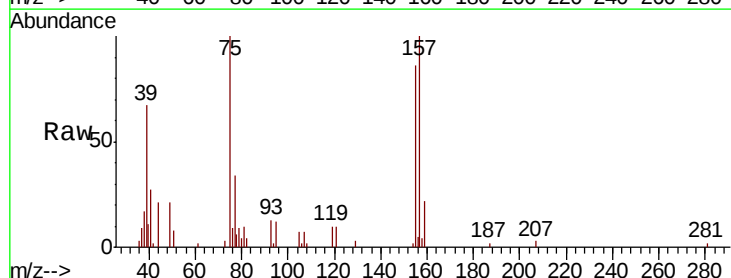


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

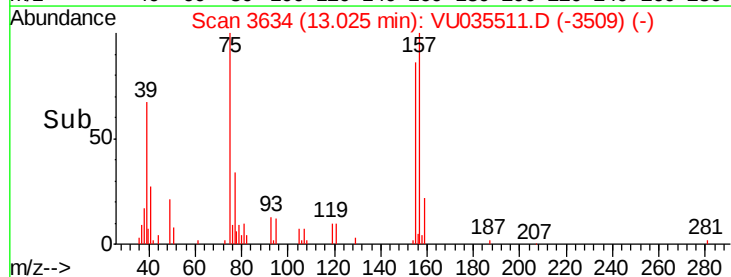
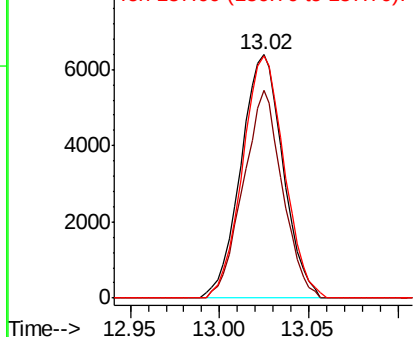


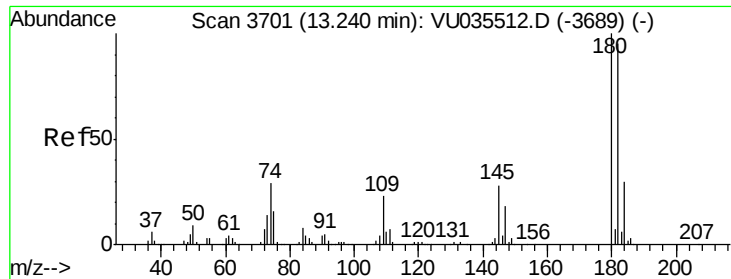
#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.304 ug/L
 RT: 13.02 min Scan# 3634
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Tgt Ion: 75 Resp: 10555
 Ion Ratio Lower Upper
 75 100
 155 85.5 64.2 96.4
 157 99.7 85.1 127.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

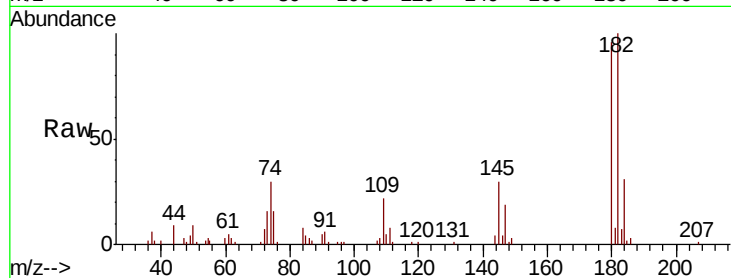




#67
 1,3,5-Trichlorobenzene
 Concen: 6.961 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	180	182	184	145
Resp:	24600			
Ion Ratio	100	96.3	30.9	29.3
Lower		76.6	23.9	22.4
Upper		114.8	35.9	33.6



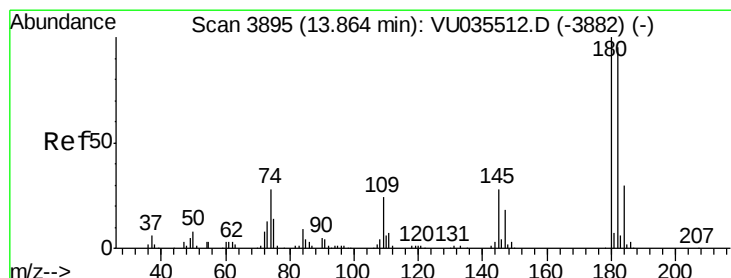
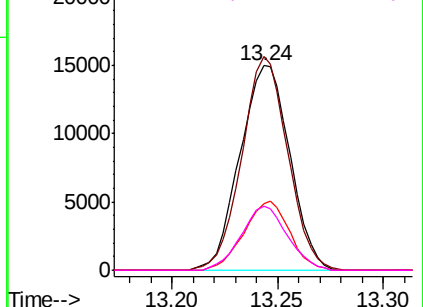
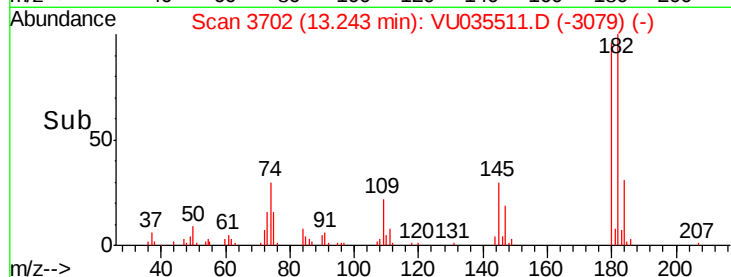
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

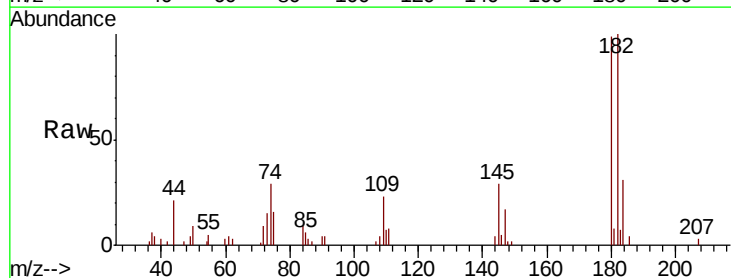
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.853 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. 0.00 min
 Lab File: VU035511.D
 Acq: 26 Oct 2019 12:05

Tgt Ion	180	182	145
Resp:	11172		
Ion Ratio	100	99.2	31.1
Lower		75.0	22.6
Upper		112.4	34.0

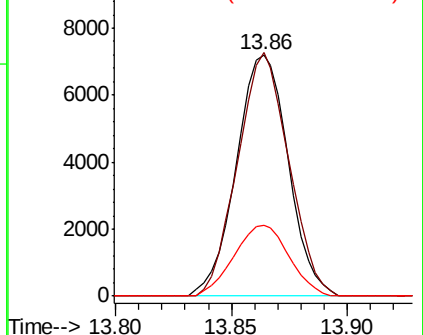
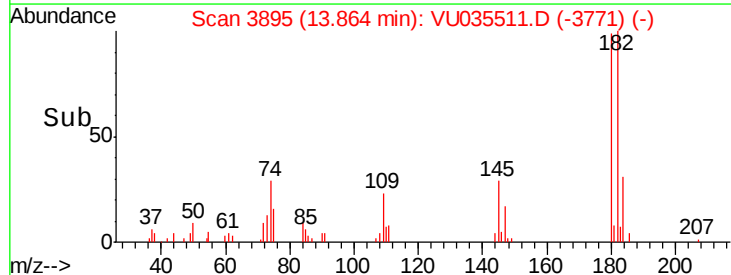


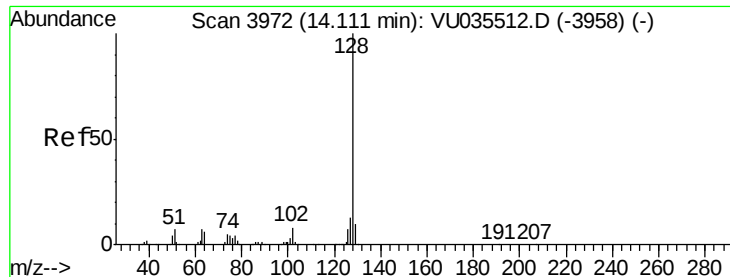
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 4.537 ug/L

RT: 14.11 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

Instrument :

MSVOA_U

ClientSampleId :

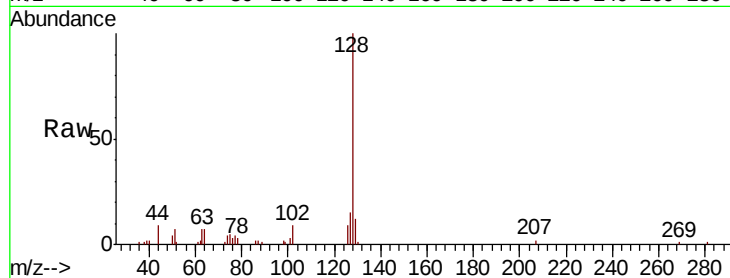
Tot Ion:128 Resp: 28899

Ion Ratio Lower Upper

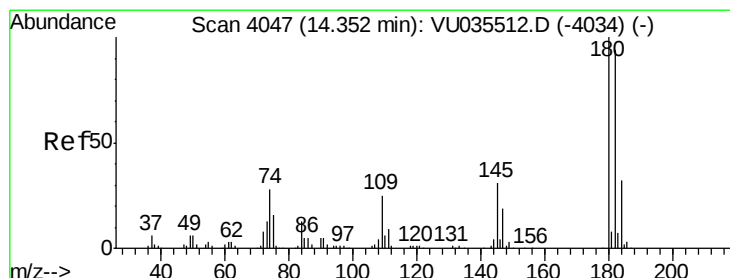
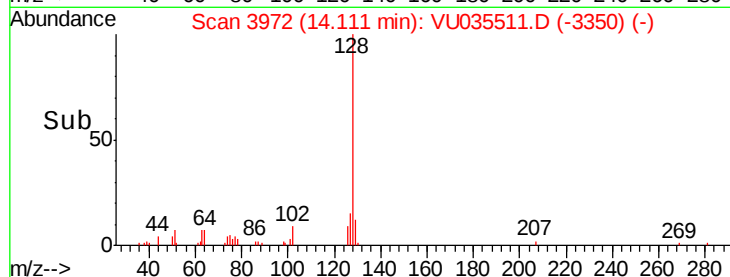
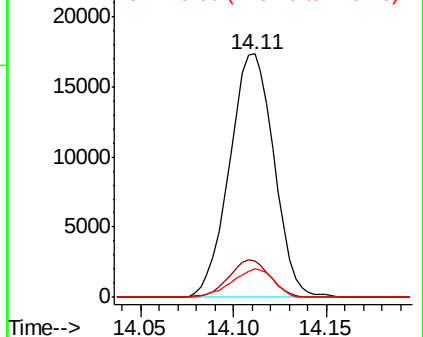
128 100

127 14.2 10.3 15.5

129 11.0 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.331 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035511.D

Acq: 26 Oct 2019 12:05

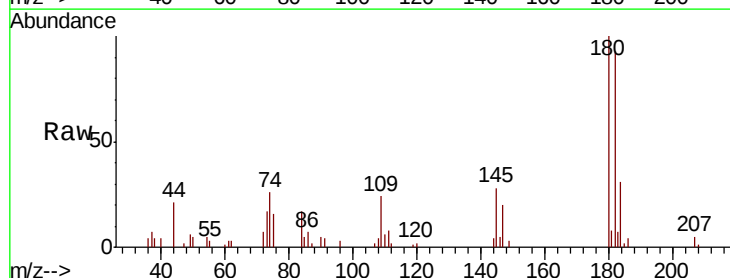
Tgt Ion:180 Resp: 12704

Ion Ratio Lower Upper

180 100

182 97.5 76.0 114.0

145 29.8 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

