

Data File : VU035203.D
Acq On : 17 Oct 2019 10:25
Operator : JC/SP
Sample : VSTD00502
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Quant Time: Oct 18 02:12:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 18 02:07:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	393251	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	372993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	184397	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	121752	5.14	ug/L	0.00
7) Chloroethane-d5	1.93	69	108318	4.97	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.60	63	224569	4.62	ug/L	0.00
20) 2-Butanone-d5	4.72	46	364828	52.25	ug/L	0.00
24) Chloroform-d	5.12	84	221975	5.02	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	121665	4.68	ug/L	0.00
32) Benzene-d6	5.77	84	443492	5.01	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.74	67	140625	4.80	ug/L	0.00
41) Toluene-d8	7.93	98	422990	4.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.22	79	68921	6.10	ug/L	0.00
46) 2-Hexanone-d5	8.69	63	306097	58.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.79	84	123319	4.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.22	152	159118	5.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	165026	4.640 ug/L	100
3) Chloromethane	1.54	50	158211	4.139 ug/L	100
5) Vinyl chloride	1.62	62	168023	4.437 ug/L	100
6) Bromomethane	1.88	94	96894	4.518 ug/L	100
8) Chloroethane	1.95	64	104838	4.593 ug/L	100
9) Trichlorofluoromethane	2.16	101	225445	4.821 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	130910	4.834 ug/L	100
12) 1,1-Dichloroethene	2.61	96	122624	4.854 ug/L	100
13) Acetone	2.70	43	242949	44.050 ug/L	100
14) Carbon disulfide	2.83	76	385979	4.634 ug/L	100
15) Methyl Acetate	3.01	43	55032	3.824 ug/L	100
16) Methylene chloride	3.09	84	136494	4.388 ug/L	100
17) Methyl tert-butyl Ether	3.43	73	341548	4.925 ug/L	100
18) trans-1,2-Dichloroethene	3.40	96	136097	4.991 ug/L	100
19) 1,1-Dichloroethane	3.92	63	243230	4.586 ug/L	100
21) 2-Butanone	4.80	43	388557	48.945 ug/L	100
22) cis-1,2-Dichloroethene	4.72	96	147526	4.853 ug/L	100
23) Bromochloromethane	5.03	128	64648	5.094 ug/L	100
25) Chloroform	5.14	83	258179	4.354 ug/L	100
27) 1,2-Dichloroethane	5.84	62	164227	4.678 ug/L	100
29) 1,1,1-Trichloroethane	5.37	97	215675	5.081 ug/L	100
30) Cyclohexane	5.43	56	232312	5.005 ug/L	100
31) Carbon tetrachloride	5.57	117	193443	5.241 ug/L	100
33) Benzene	5.82	78	549149	4.882 ug/L	100
34) Trichloroethene	6.58	95	144454	4.959 ug/L	100
35) Methylcyclohexane	6.80	83	243508	5.122 ug/L	100
37) 1,2-Dichloropropane	6.83	63	137404	4.587 ug/L	100
38) Bromodichloromethane	7.15	83	184425	5.110 ug/L	100
39) cis-1,3-Dichloropropene	7.65	75	231008	5.454 ug/L	100
40) 4-Methyl-2-pentanone	7.85	43	933568	48.712 ug/L	100

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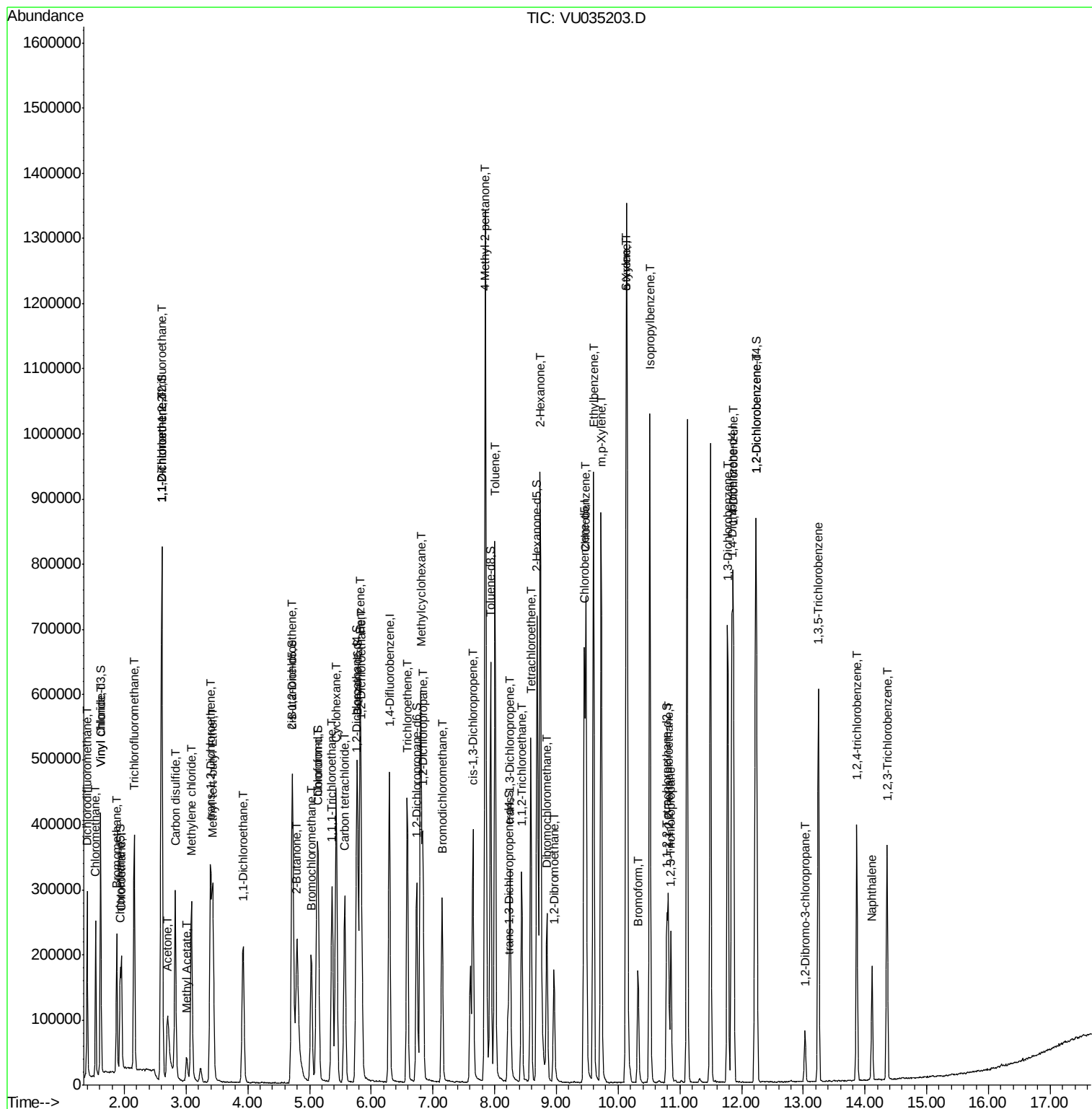
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.01	91	601084	5.099	ug/L	100
44) trans-1,3-Dichloropropene	8.25	75	188286	5.693	ug/L	100
45) 1,1,2-Trichloroethane	8.44	97	103352	5.082	ug/L	100
47) Tetrachloroethene	8.59	164	119427	5.029	ug/L	100
48) 2-Hexanone	8.74	43	672591	50.990	ug/L	100
49) Dibromochloromethane	8.84	129	130947	5.485	ug/L	100
50) 1,2-Dibromoethane	8.96	107	102635	5.239	ug/L	100
51) Chlorobenzene	9.48	112	385399	5.022	ug/L	100
52) Ethylbenzene	9.60	91	682259	5.195	ug/L	100
53) m,p-Xylene	9.73	106	258438	5.308	ug/L	100
54) o-Xylene	10.13	106	250330	5.260	ug/L	100
55) Styrene	10.15	104	416838	5.400	ug/L	100
56) Isopropylbenzene	10.51	105	680747	5.345	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	131135	4.788	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	96708	4.894	ug/L	100
61) Bromoform	10.32	173	81902	6.033	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	299635	5.189	ug/L	100
63) 1,4-Dichlorobenzene	11.87	146	295284	5.079	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	281289	5.078	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.03	75	19292	5.453	ug/L	100
67) 1,3,5-Trichlorobenzene	13.25	180	191490	4.977	ug/L	100
68) 1,2,4-trichlorobenzene	13.87	180	120670	4.330	ug/L	100
69) Naphthalene	14.11	128	137244	3.291	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	112678	4.178	ug/L	100

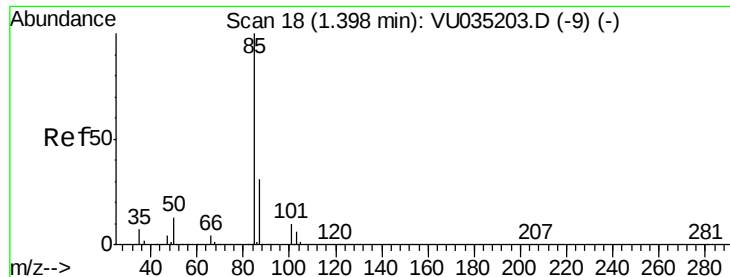
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.640 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

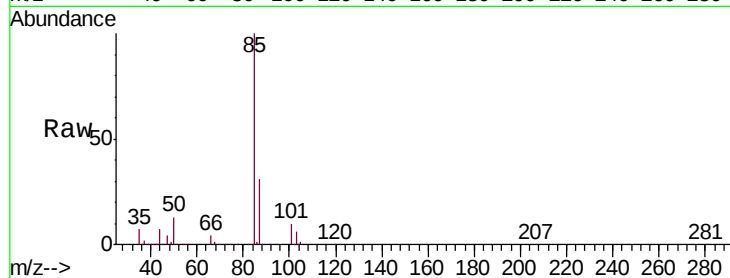
VSTD00502

Tgt Ion: 85 Resp: 165026

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU035203.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU035203.D (-9) (-)

1.40

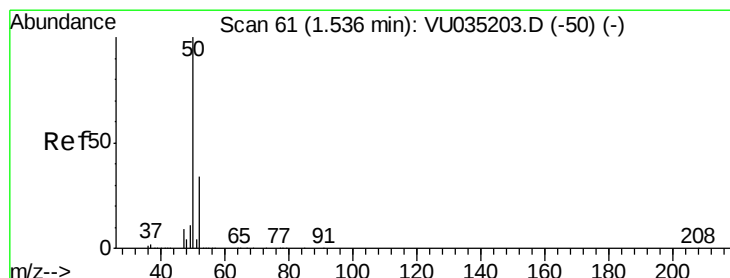
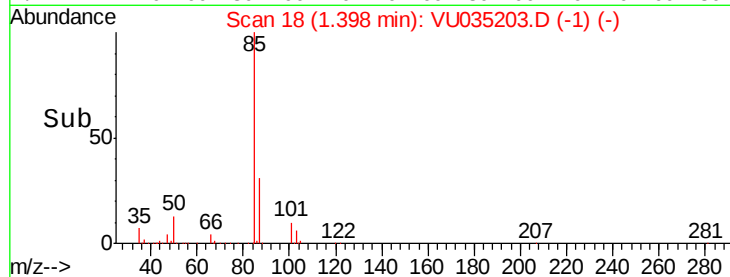
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.139 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU035203.D

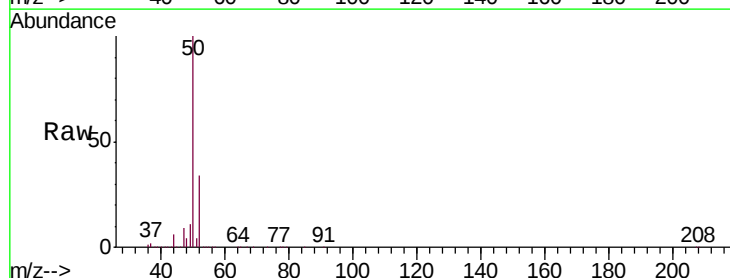
Acq: 17 Oct 2019 10:25

Tgt Ion: 50 Resp: 158211

Ion Ratio Lower Upper

50 100

52 33.6 23.5 43.7



Abundance Ion 50.05 (49.75 to 50.75): VU035203.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU035203.D (-50) (-)

1.54

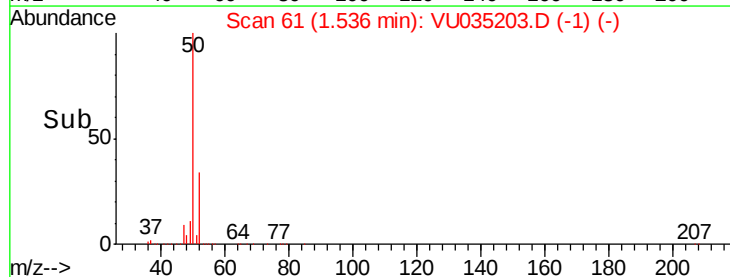
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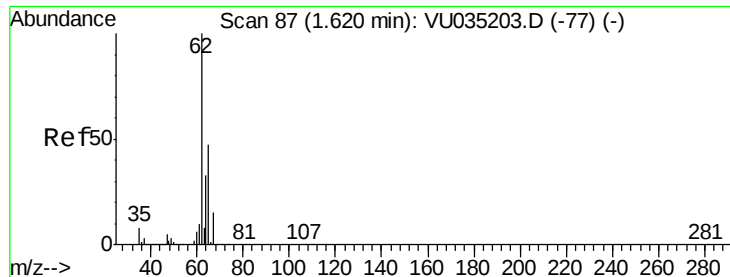
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.437 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

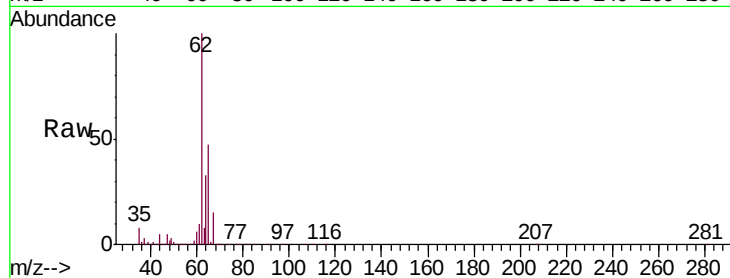
VSTD00502

Tgt Ion: 62 Resp: 168023

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VU035203.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035203.D (-77) (-)

1.62

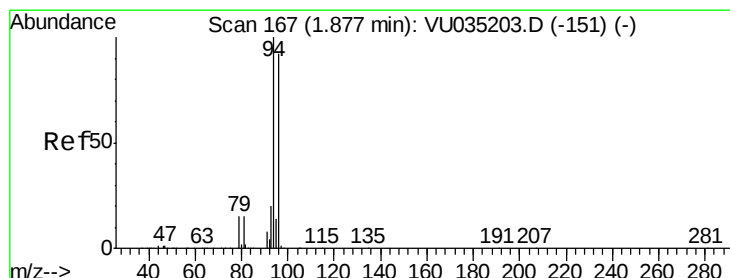
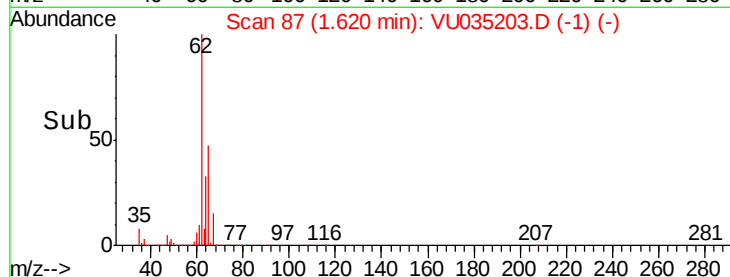
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 4.518 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035203.D

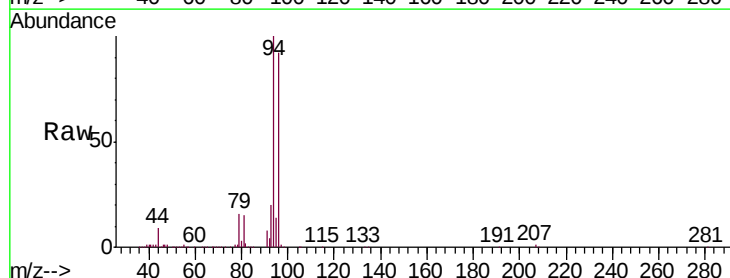
Acq: 17 Oct 2019 10:25

Tgt Ion: 94 Resp: 96894

Ion Ratio Lower Upper

94 100

96 92.3 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VU035203.D (-151) (-)

Ion 96.00 (95.70 to 96.70): VU035203.D (-151) (-)

1.88

80000

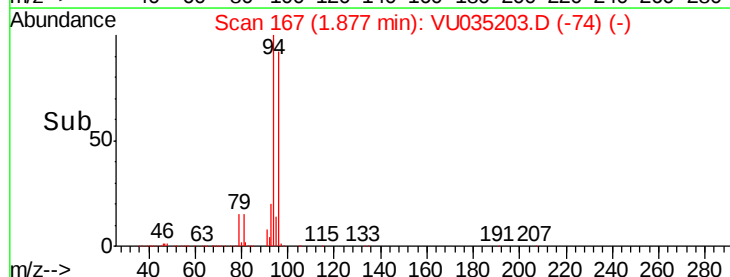
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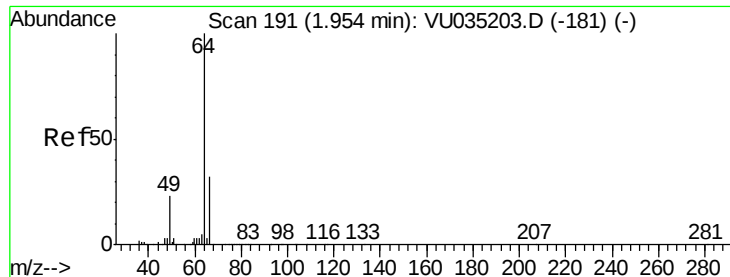
40000

20000

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Time-->

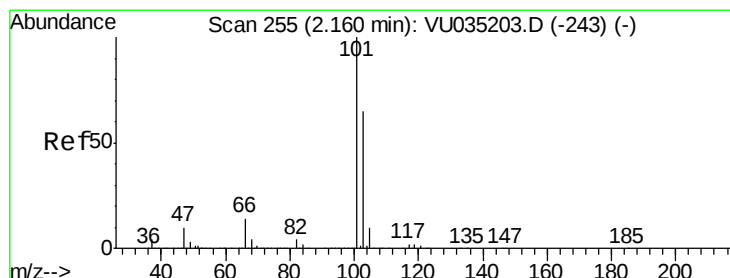
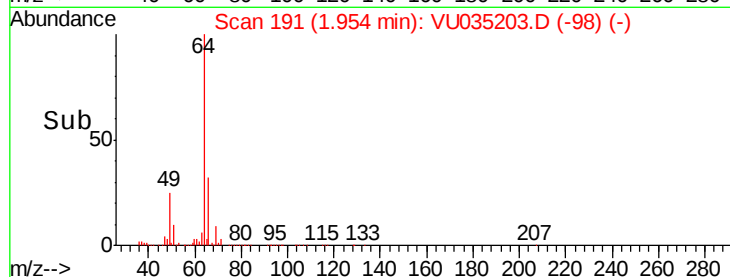
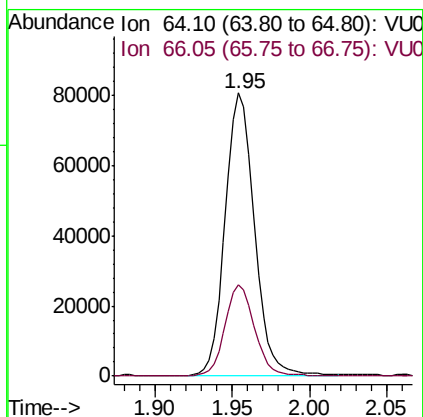
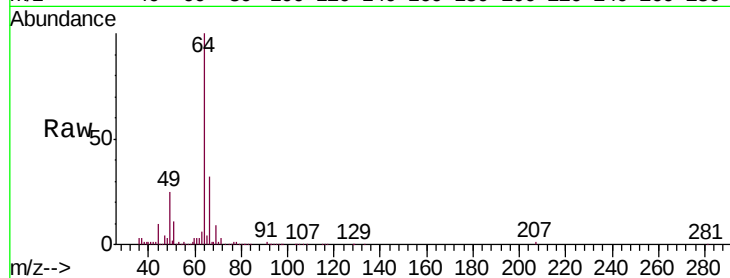




#8
Chloroethane
Concen: 4.593 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

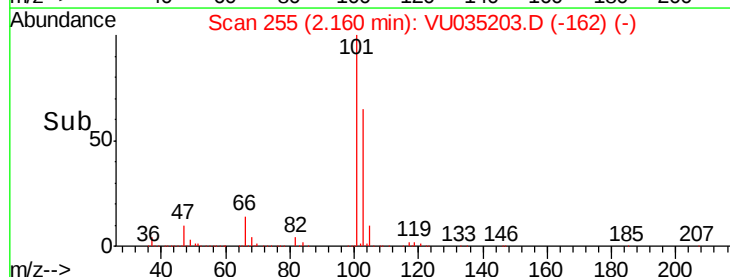
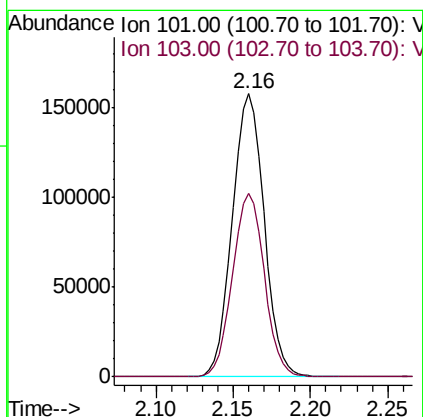
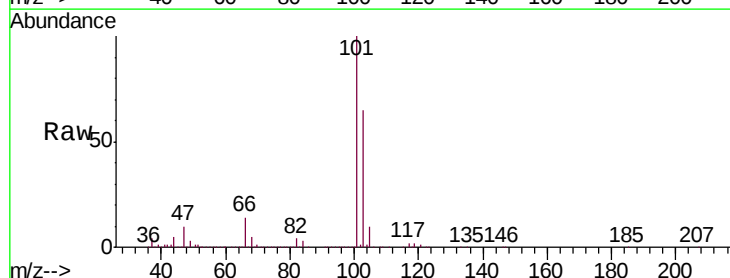
Instrument :
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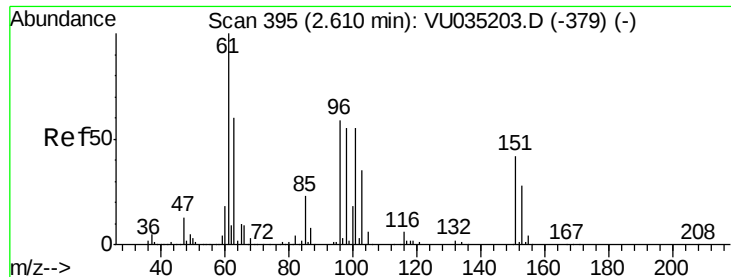
Tgt Ion: 64 Resp: 104838
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 4.821 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion: 101 Resp: 225445
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 4.834 ug/L

RT: 2.61 min Scan# 395

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

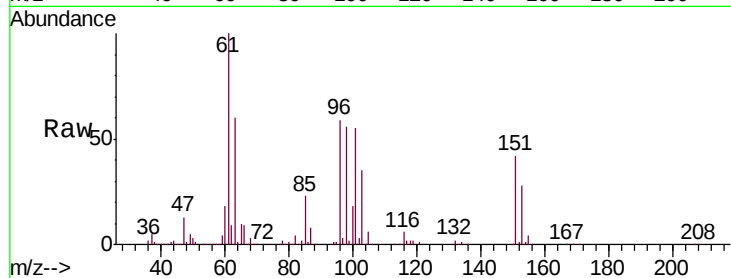
Tgt Ion: 101 Resp: 130910

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

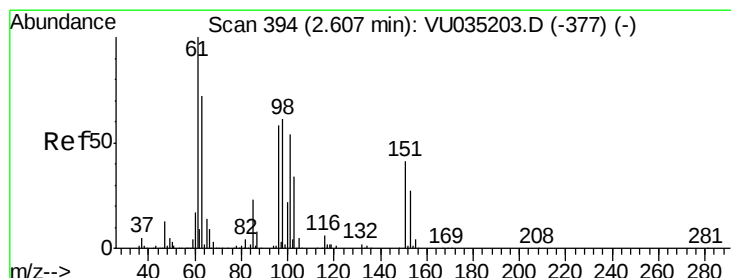
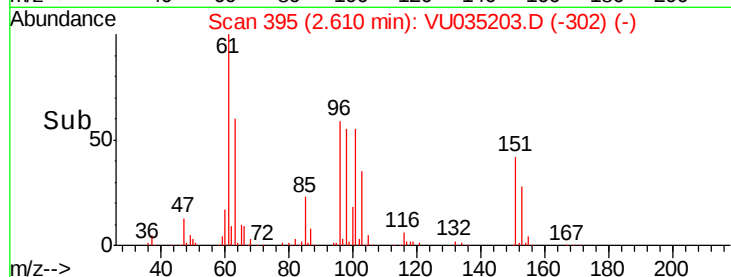
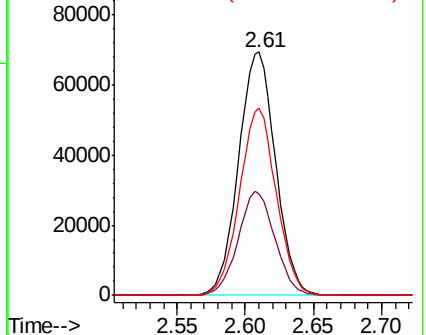
151 76.2 61.0 91.4



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: 4.854 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

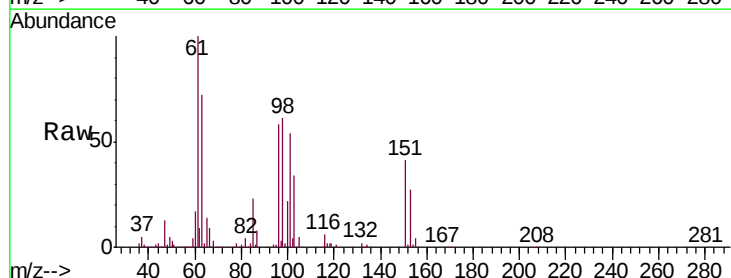
Tgt Ion: 96 Resp: 122624

Ion Ratio Lower Upper

96 100

61 172.3 120.6 224.0

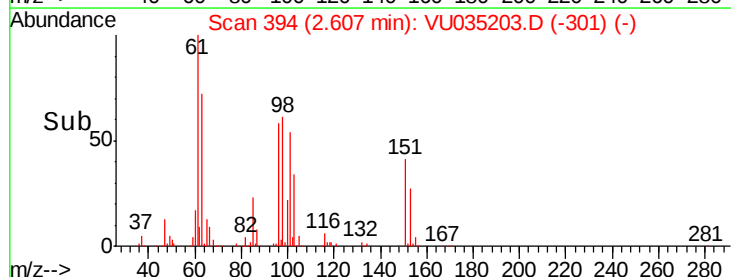
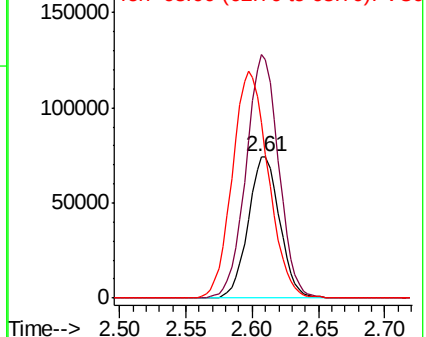
63 124.0 86.8 161.2

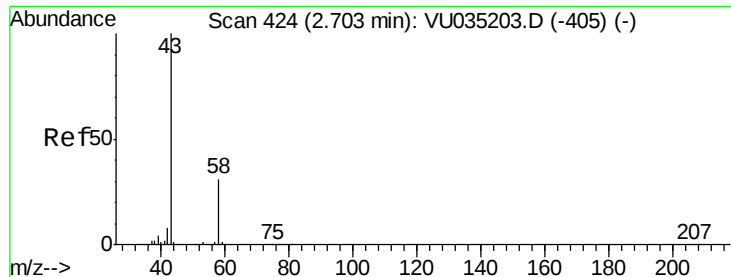


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.050 ug/L

RT: 2.70 min Scan# 424

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

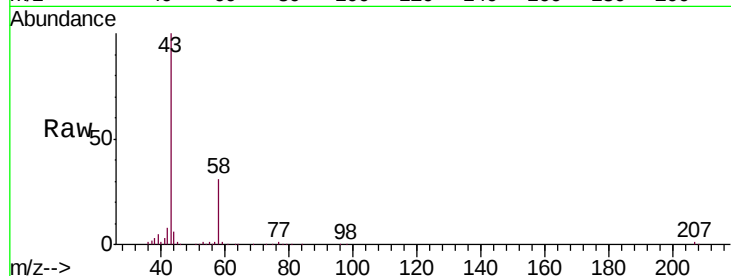
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion: 43 Resp: 242949

Ion Ratio Lower Upper

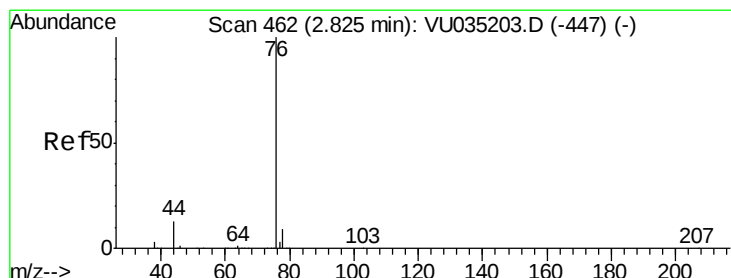
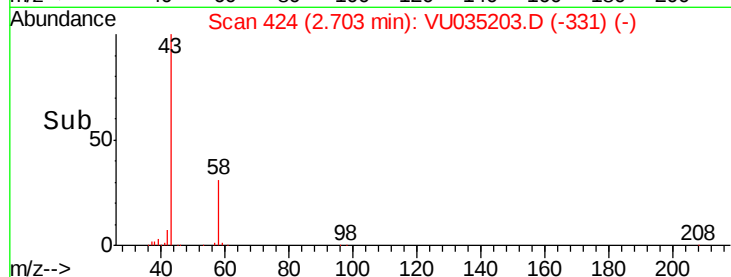
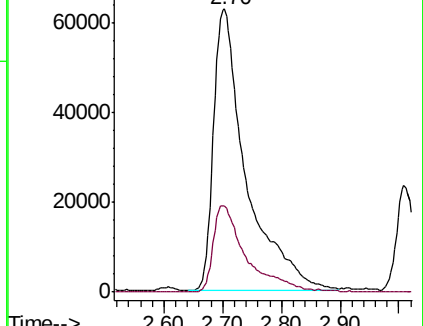
43 100

58 30.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU035203.D (-405) (-)

Ion 58.05 (57.75 to 58.75): VU035203.D (-405) (-)



#14

Carbon disulfide

Concen: 4.634 ug/L

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035203.D

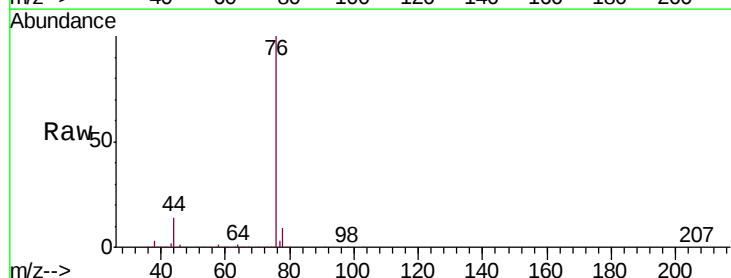
Acq: 17 Oct 2019 10:25

Tgt Ion: 76 Resp: 385979

Ion Ratio Lower Upper

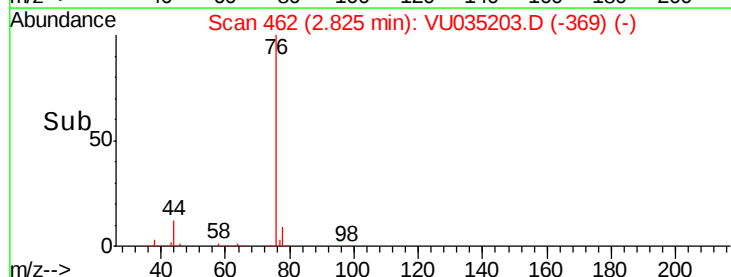
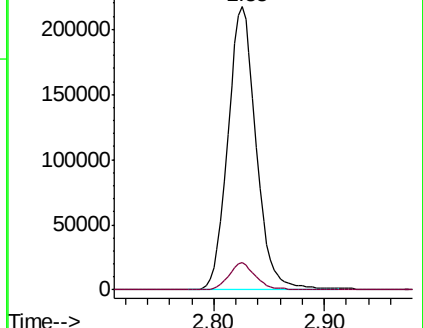
76 100

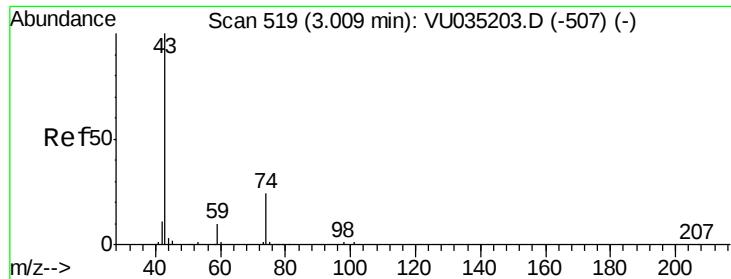
78 9.5 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VU035203.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU035203.D (-447) (-)

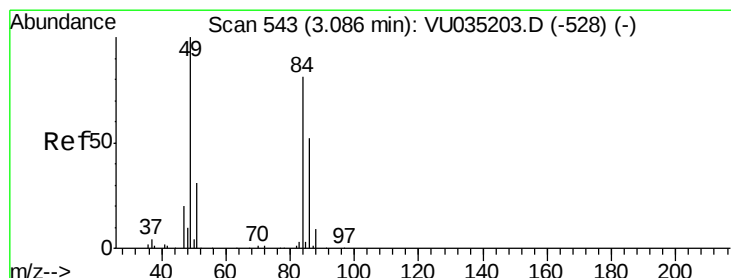
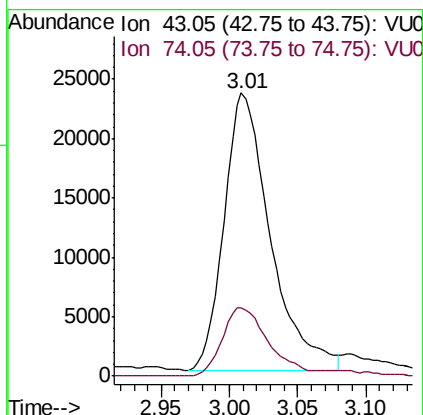
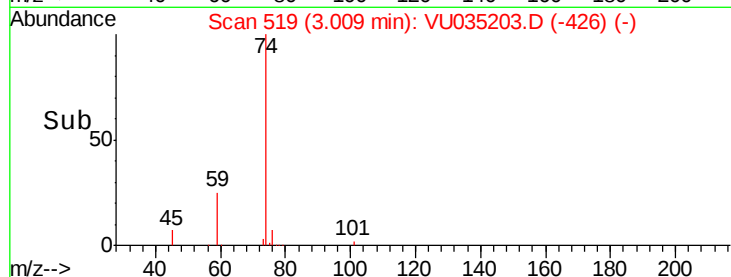
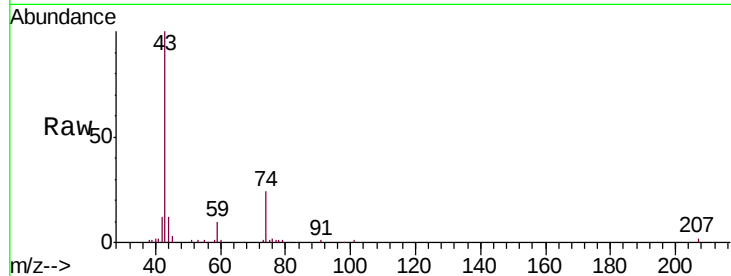




#15
Methyl Acetate
Concen: 3.824 ug/L
RT: 3.01 min Scan# 519
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

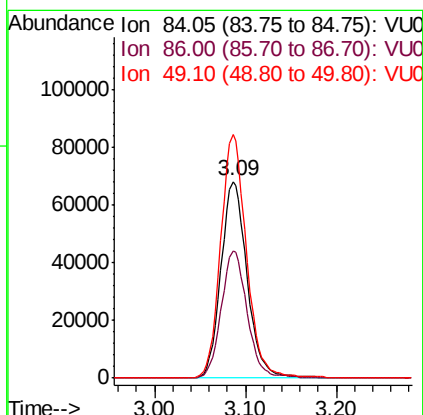
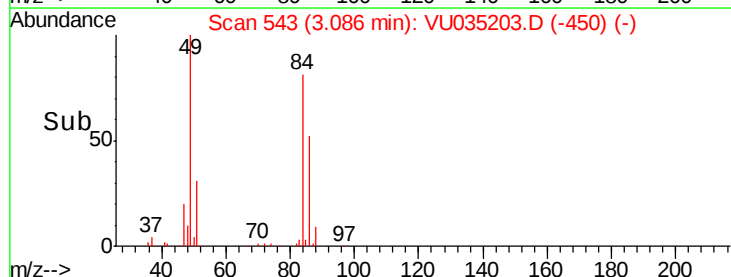
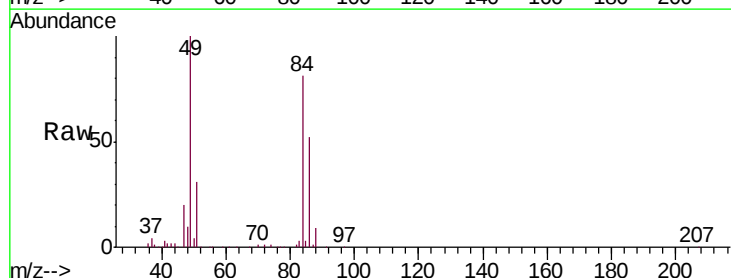
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

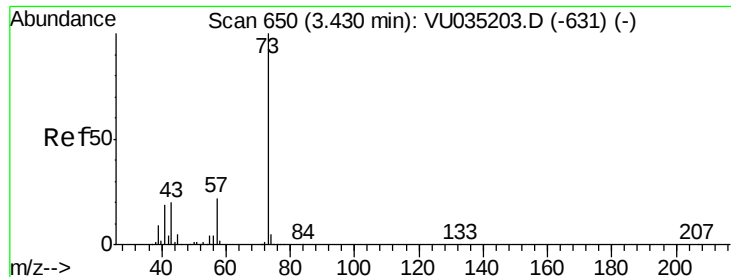
Tgt Ion: 43 Resp: 55032
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5



#16
Methylene chloride
Concen: 4.388 ug/L
RT: 3.09 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion: 84 Resp: 136494
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.2
49 124.0 86.8 161.2

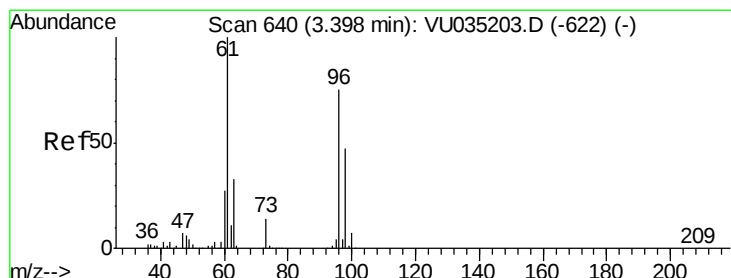
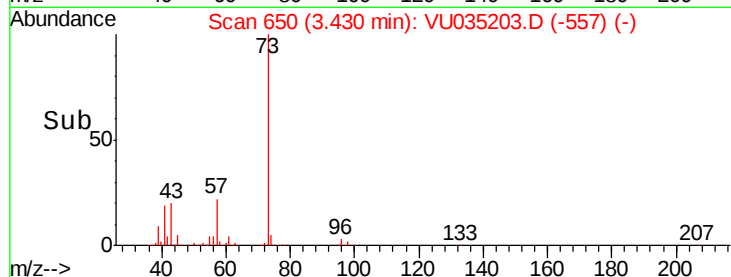
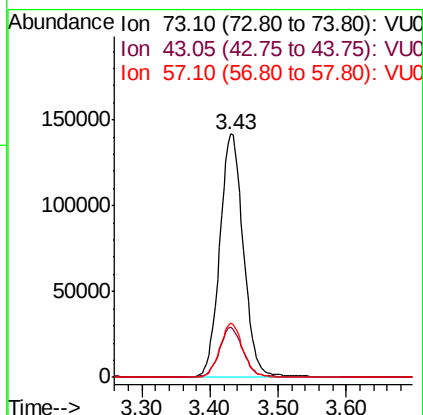
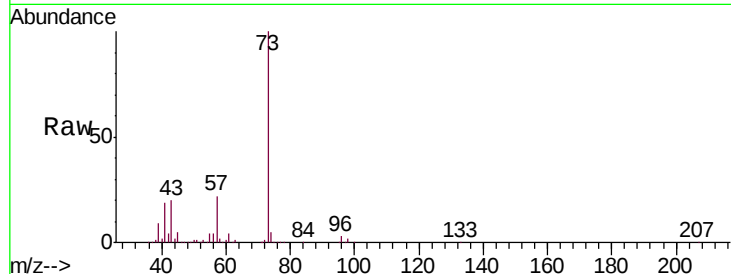




#17
Methyl tert-butyl Ether
Concen: 4.925 ug/L
RT: 3.43 min Scan# 650
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

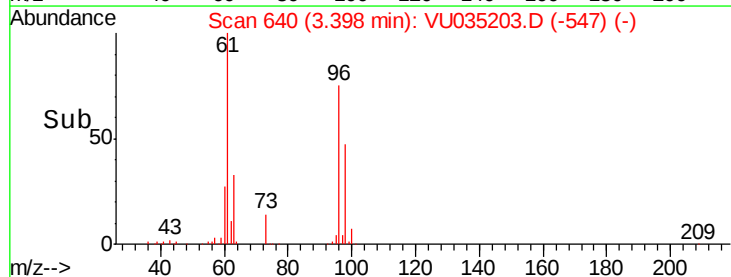
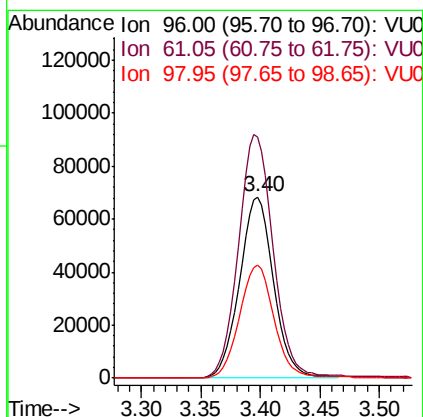
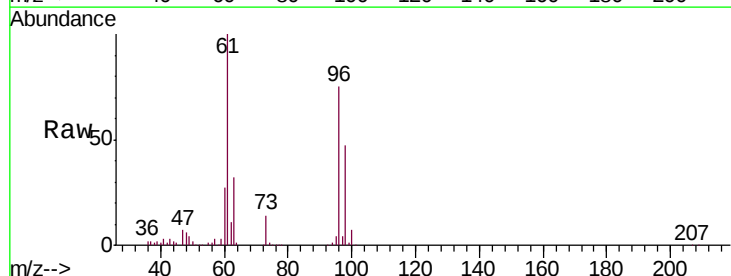
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

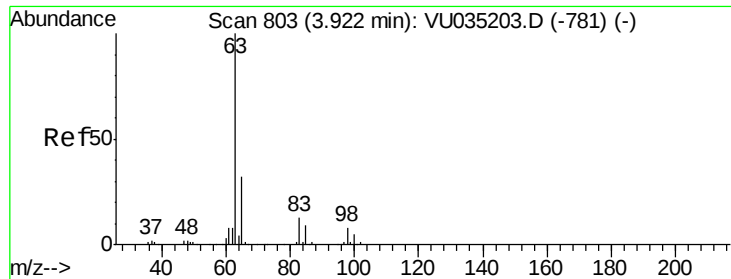
Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.0	16.0	24.0
57	21.8	17.4	26.2



#18
trans-1,2-Dichloroethene
Concen: 4.991 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.8	93.0	172.6
98	62.4	43.7	81.1

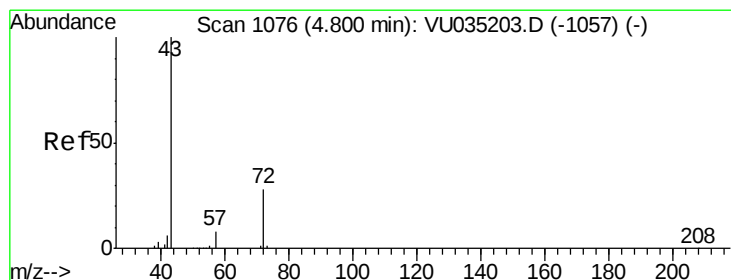
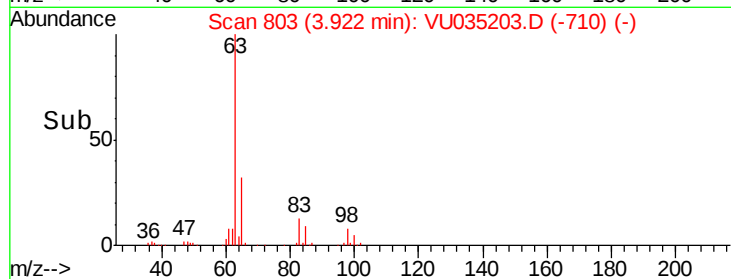
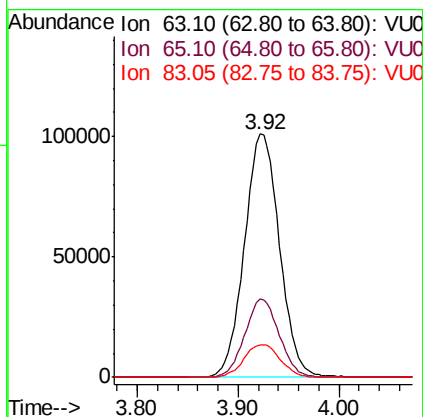
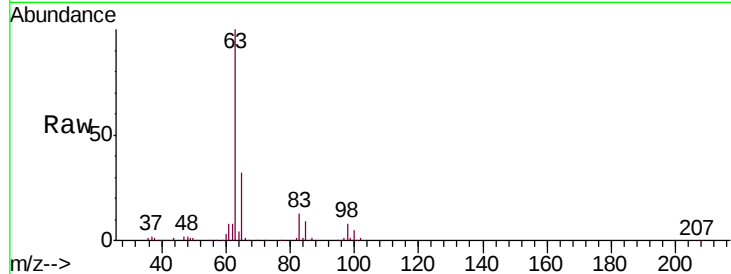




#19
 1,1-Dichloroethane
 Concen: 4.586 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

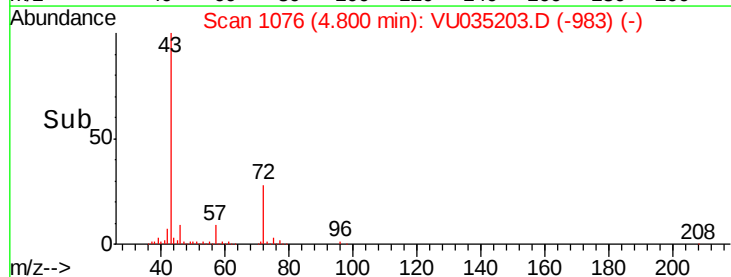
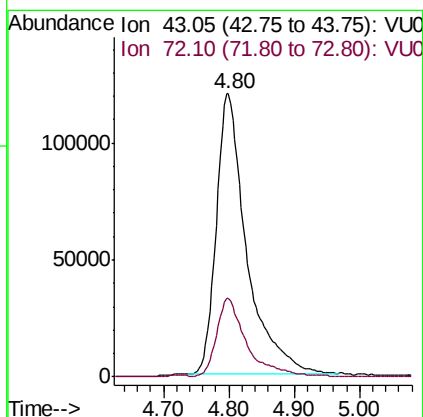
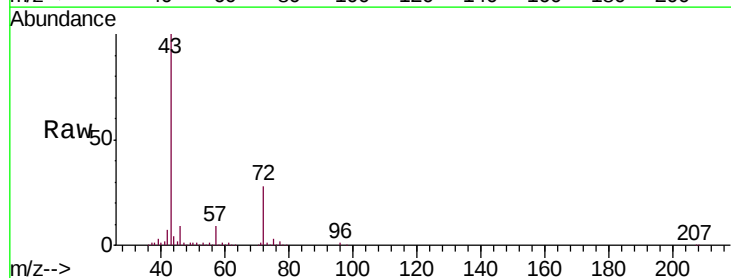
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

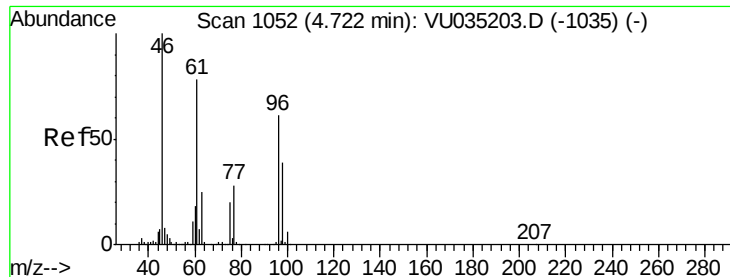
Tgt Ion: 63 Resp: 243230
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.4 41.6
 83 13.3 9.3 17.3



#21
 2-Butanone
 Concen: 48.945 ug/L
 RT: 4.80 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion: 43 Resp: 388557
 Ion Ratio Lower Upper
 43 100
 72 27.2 13.6 40.8





#22

cis-1,2-Dichloroethene

Concen: 4.853 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampled :

VSTD00502

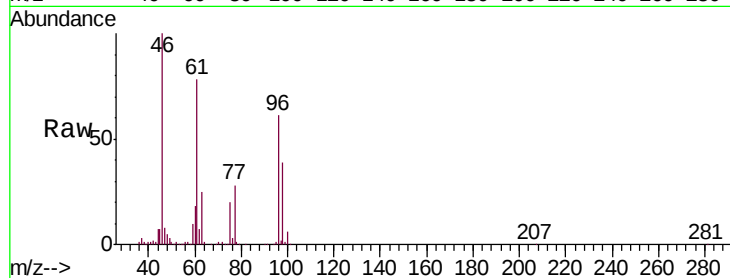
Tgt Ion: 96 Resp: 147526

Ion Ratio Lower Upper

96 100

61 128.1 89.7 166.5

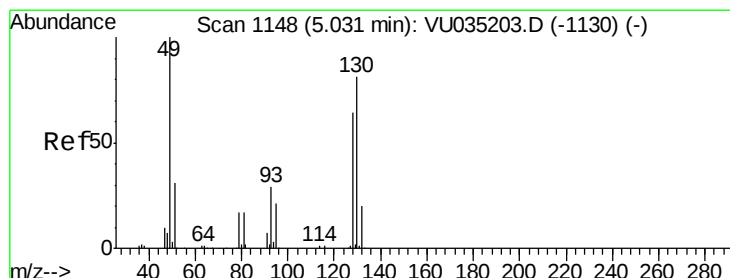
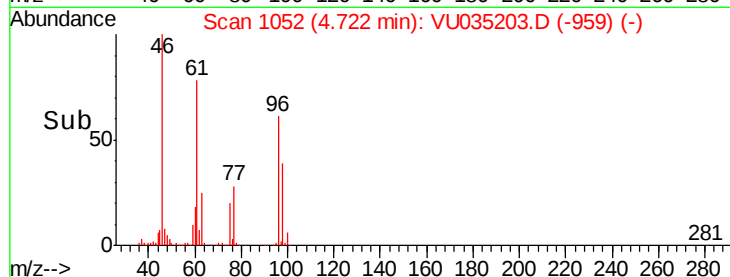
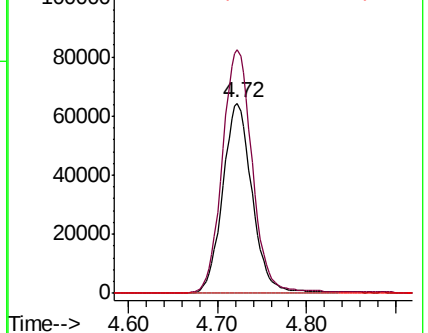
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035203.D (-1035) (-)

Ion 61.05 (60.75 to 61.75): VU035203.D (-1035) (-)

Ion 68.15 (67.85 to 68.85): VU035203.D (-1035) (-)



#23

Bromochloromethane

Concen: 5.094 ug/L

RT: 5.03 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Tgt Ion: 128 Resp: 64648

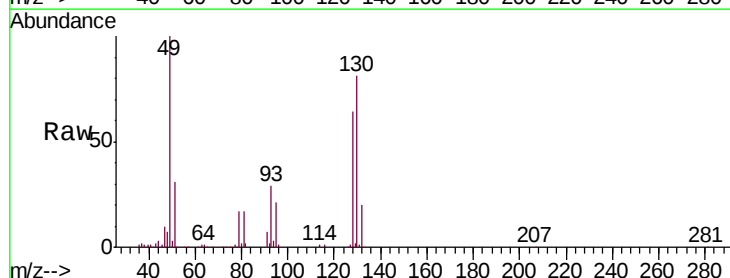
Ion Ratio Lower Upper

128 100

49 156.2 109.3 203.1

130 126.7 88.7 164.7

51 49.0 39.2 58.8

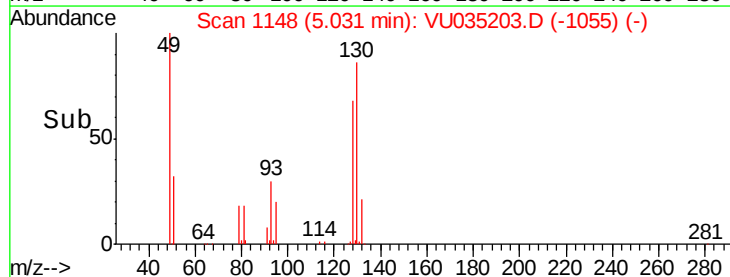
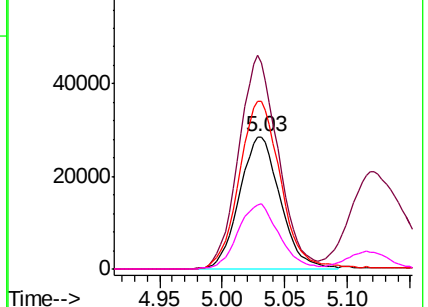


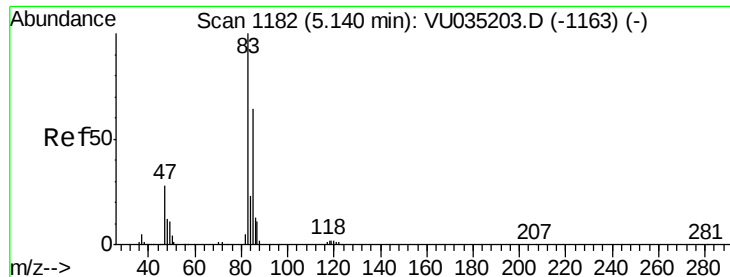
Abundance Ion 127.90 (127.60 to 128.60): VU035203.D (-1130) (-)

Ion 49.10 (48.80 to 49.80): VU035203.D (-1130) (-)

Ion 129.95 (129.65 to 130.65): VU035203.D (-1130) (-)

Ion 51.05 (50.75 to 51.75): VU035203.D (-1130) (-)

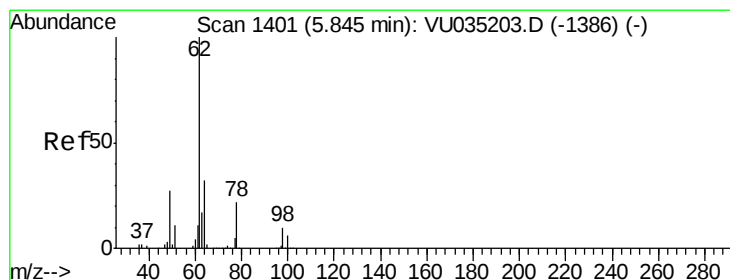
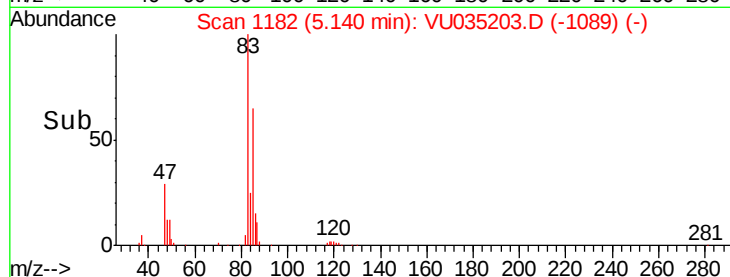
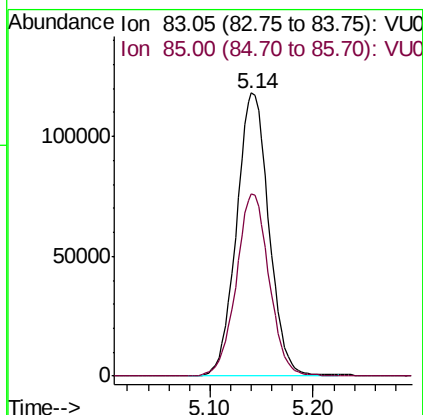
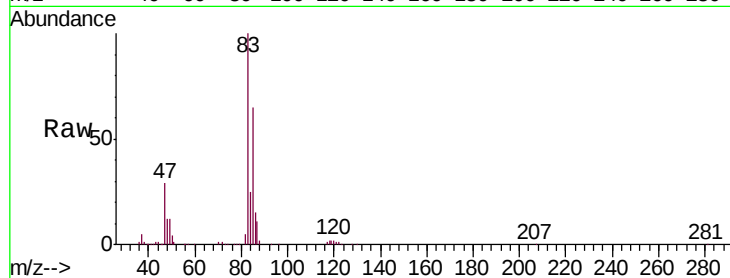




#25
Chloroform
Concen: 4.354 ug/L
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

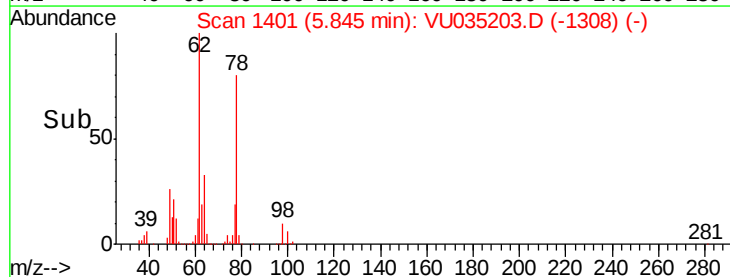
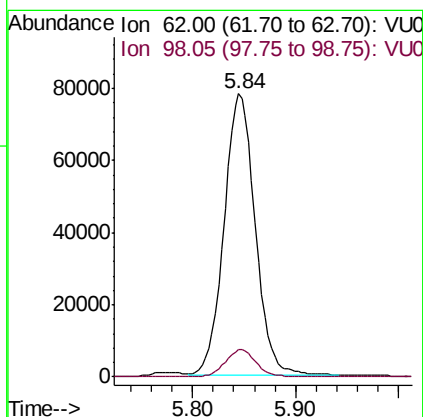
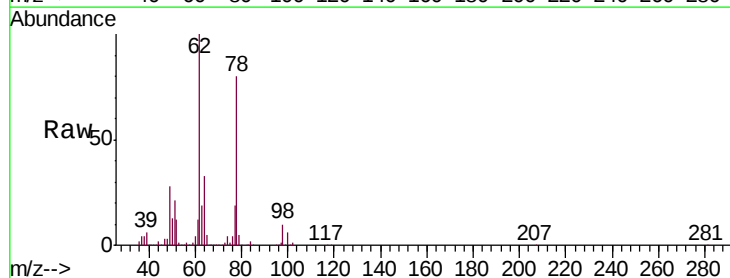
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

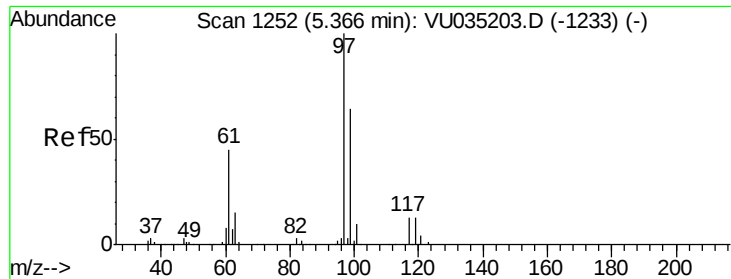
Tgt Ion: 83 Resp: 258179
Ion Ratio Lower Upper
83 100
85 64.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 4.678 ug/L
RT: 5.84 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion: 62 Resp: 164227
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

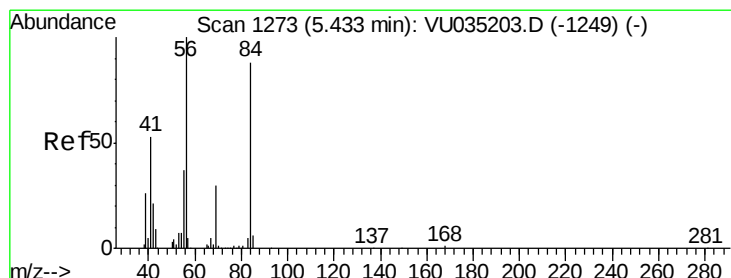
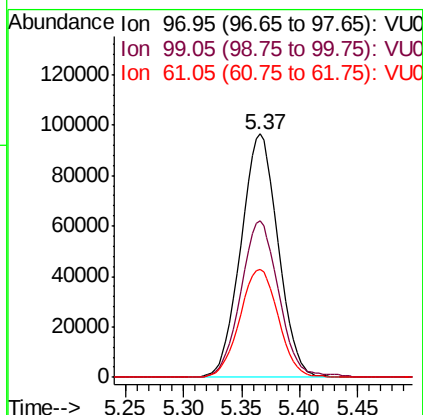
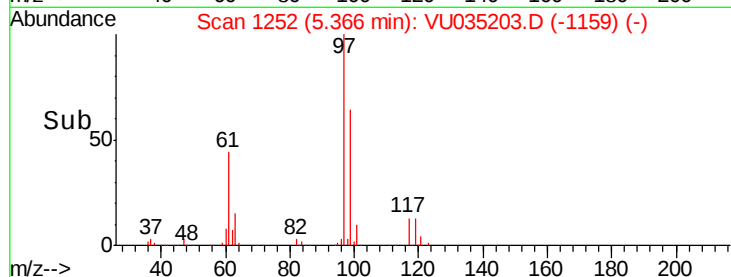
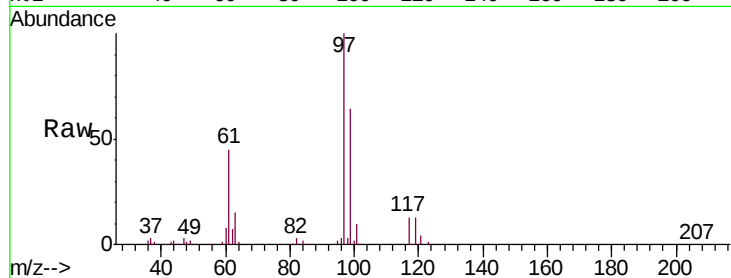




#29
 1,1,1-Trichloroethane
 Concen: 5.081 ug/L
 RT: 5.37 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

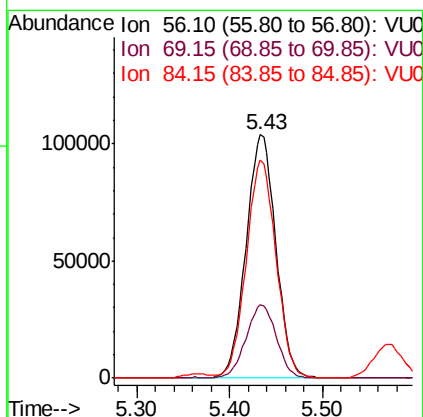
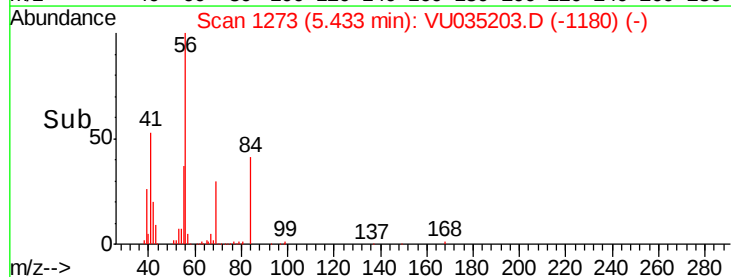
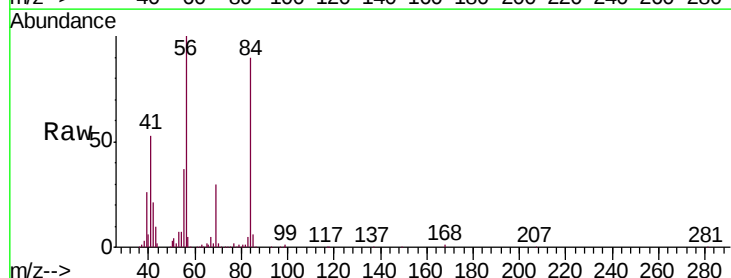
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

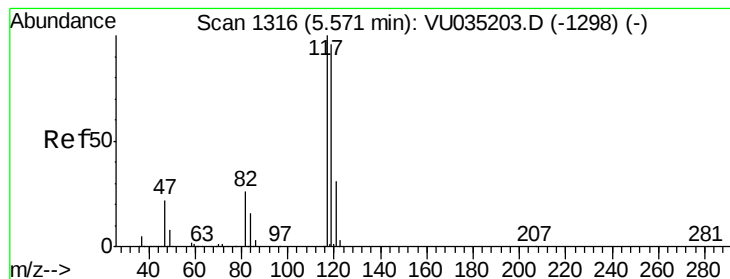
Tgt Ion: 97 Resp: 215675
 Ion Ratio Lower Upper
 97 100
 99 65.8 52.6 79.0
 61 46.2 37.0 55.4



#30
 Cyclohexane
 Concen: 5.005 ug/L
 RT: 5.43 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion: 56 Resp: 232312
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.6 36.8
 84 89.4 71.5 107.3





#31

Carbon tetrachloride

Concen: 5.241 ug/L

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

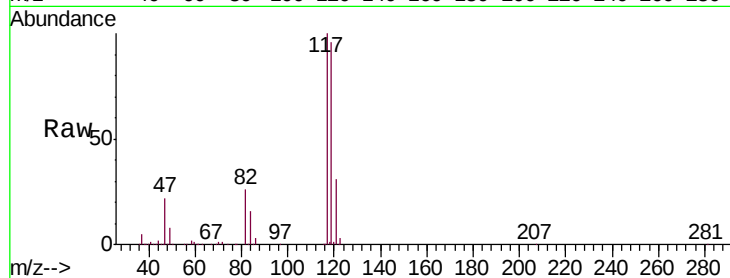
VSTD00502

Tgt Ion:117 Resp: 193443

Ion Ratio Lower Upper

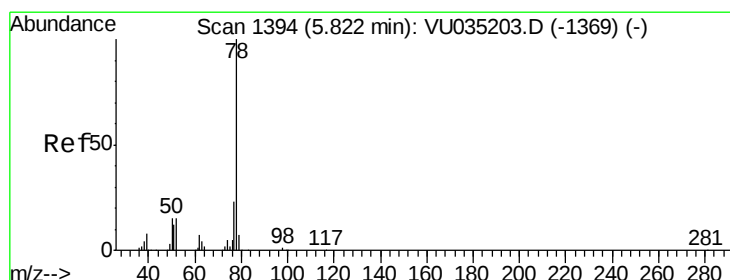
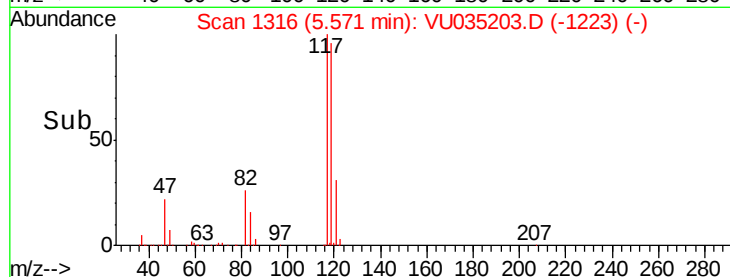
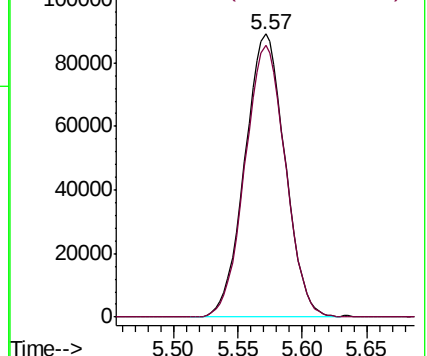
117 100

119 96.7 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.882 ug/L

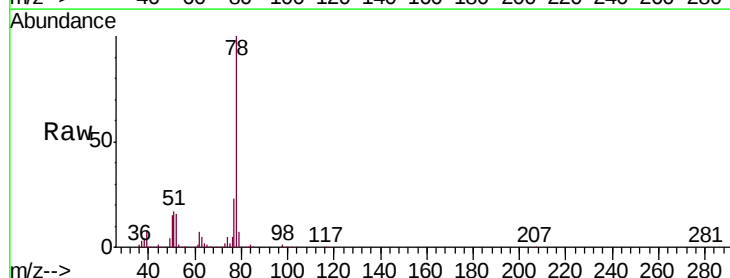
RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

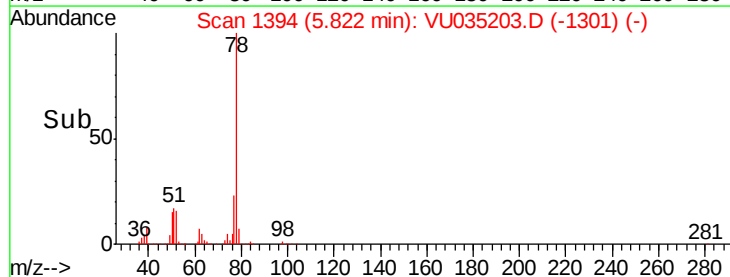
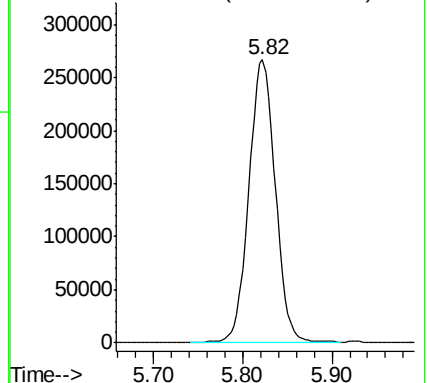
Lab File: VU035203.D

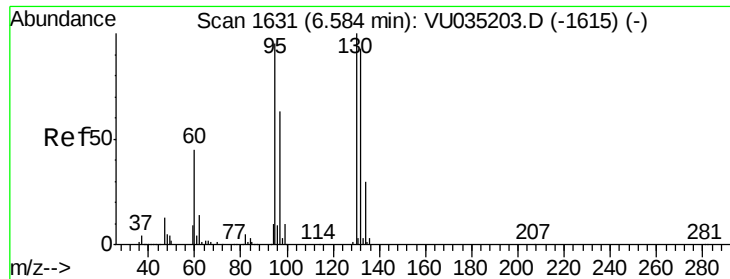
Acq: 17 Oct 2019 10:25

Tgt Ion: 78 Resp: 549149



Abundance Ion 78.10 (77.80 to 78.80): VU0

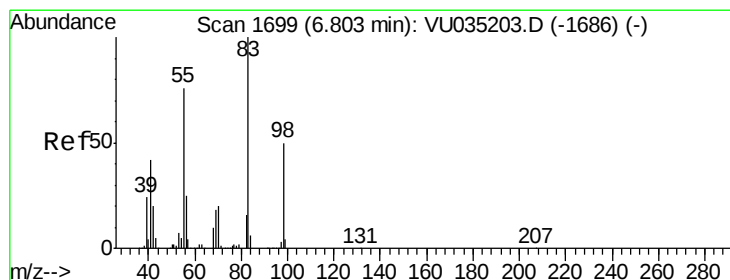
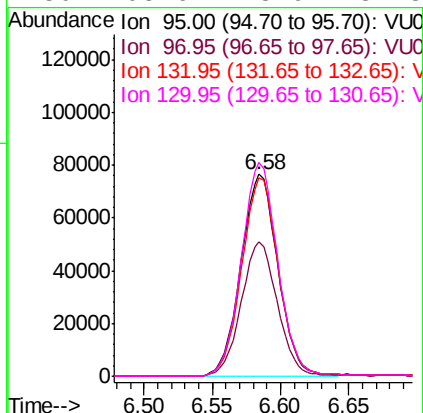
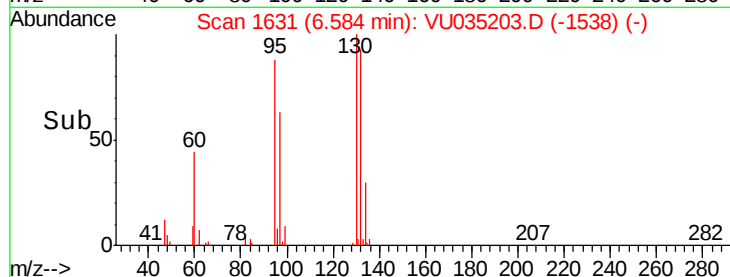
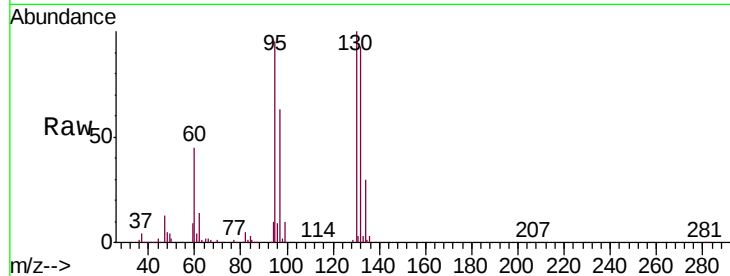




#34
 Trichloroethene
 Concen: 4.959 ug/L
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

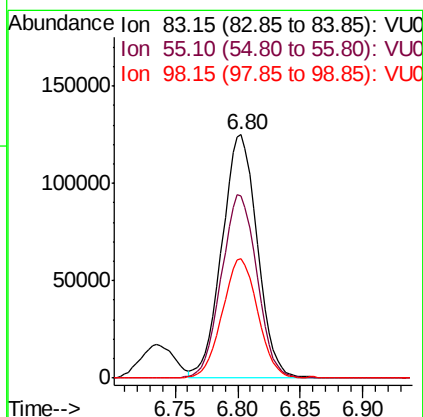
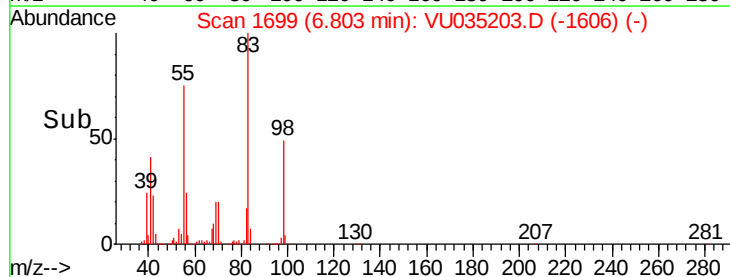
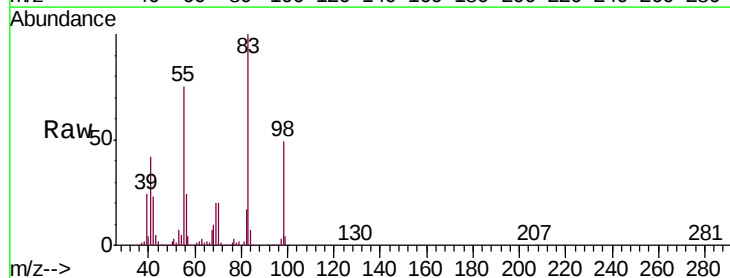
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

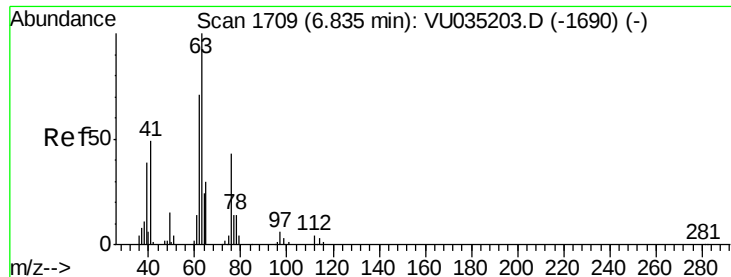
Tgt Ion:	95	Resp:	144454
Ion	Ratio	Lower	Upper
95	100		
97	66.6	46.6	86.6
132	98.2	68.7	127.7
130	105.6	73.9	137.3



#35
 Methylcyclohexane
 Concen: 5.122 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion:	83	Resp:	243508
Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.4	90.6
98	49.4	39.5	59.3

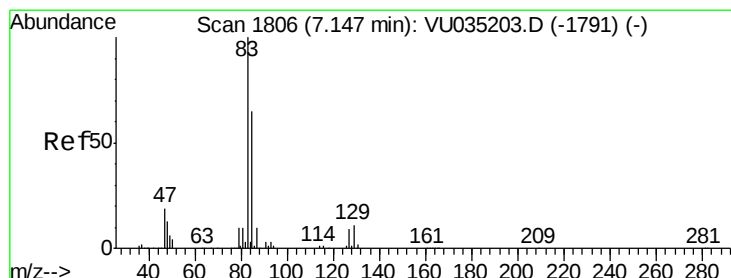
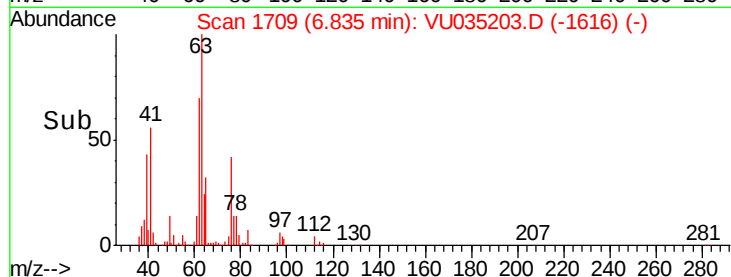
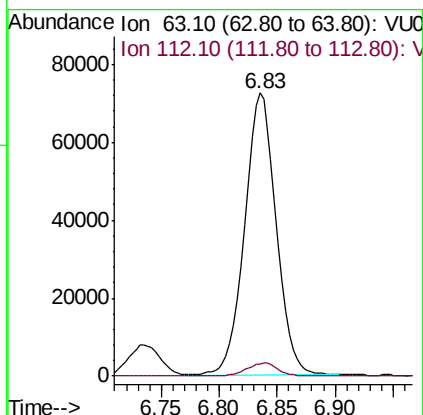
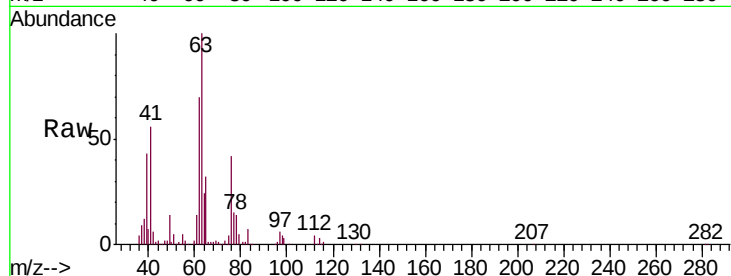




#37
 1,2-Dichloropropane
 Concen: 4.587 ug/L
 RT: 6.83 min Scan# 1709
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

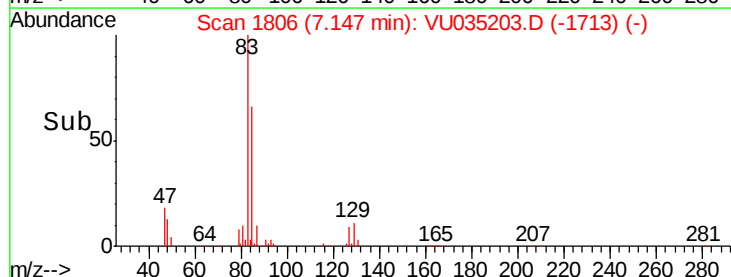
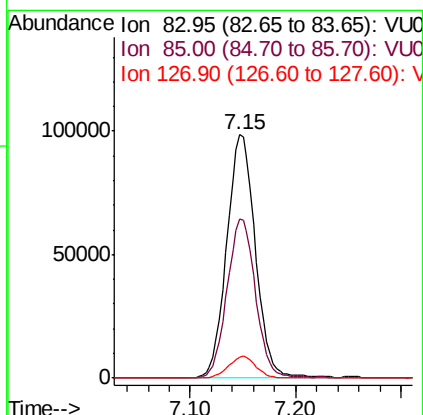
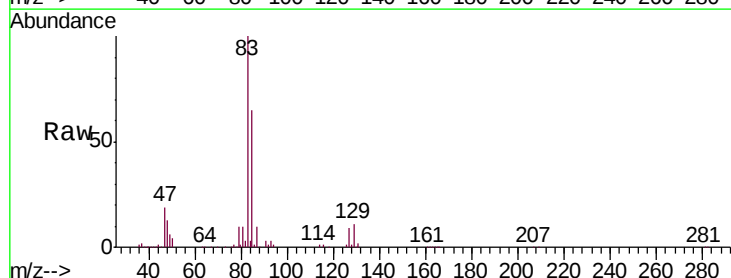
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

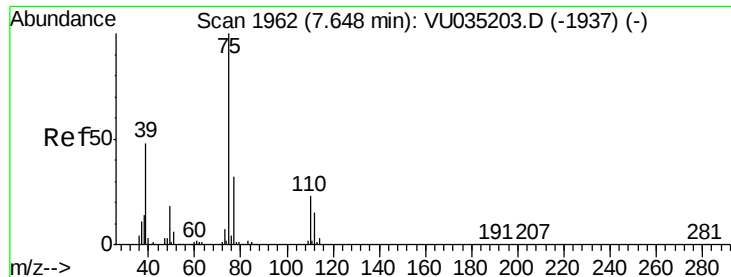
Tgt Ion: 63 Resp: 137404
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.110 ug/L
 RT: 7.15 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion: 83 Resp: 184425
 Ion Ratio Lower Upper
 83 100
 85 65.2 45.6 84.8
 127 8.6 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.454 ug/L

RT: 7.65 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

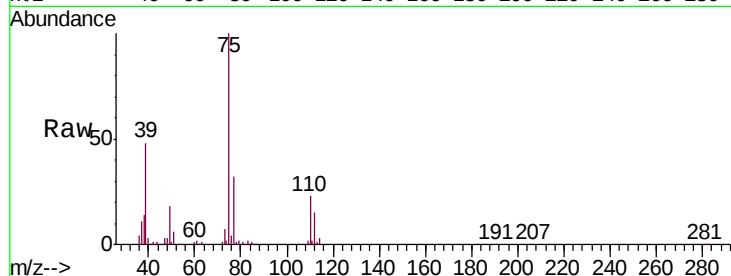
VSTD00502

Tgt Ion: 75 Resp: 231008

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035203.D (-1937) (-)

Ion 77.05 (76.75 to 77.75): VU035203.D (-1937) (-)

7.65

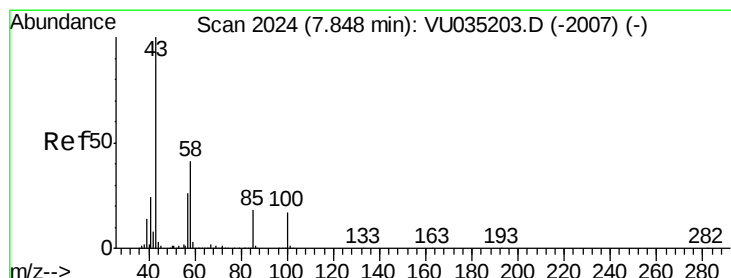
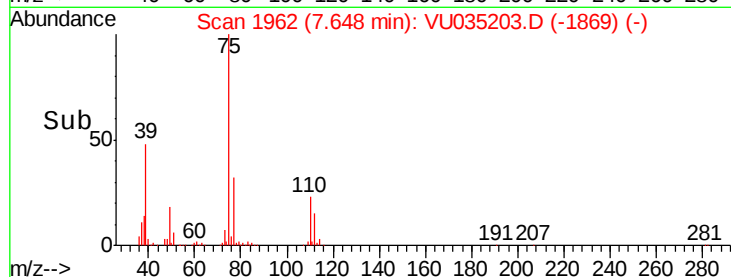
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 48.712 ug/L

RT: 7.85 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

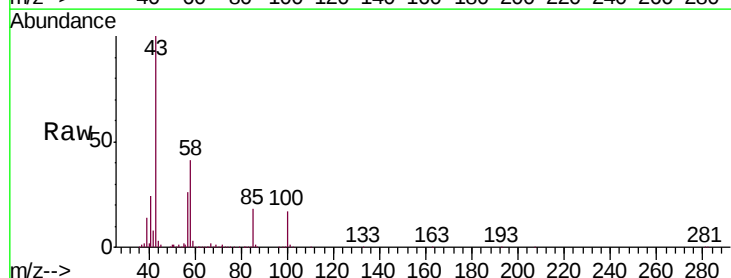
Tgt Ion: 43 Resp: 933568

Ion Ratio Lower Upper

43 100

58 40.4 32.3 48.5

100 16.8 13.4 20.2



Abundance Ion 43.05 (42.75 to 43.75): VU035203.D (-2007) (-)

Ion 58.05 (57.75 to 58.75): VU035203.D (-2007) (-)

Ion 100.15 (99.85 to 100.85): VU035203.D (-2007) (-)

7.85

600000

500000

400000

300000

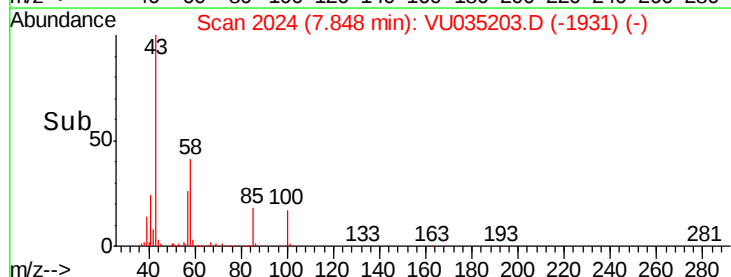
200000

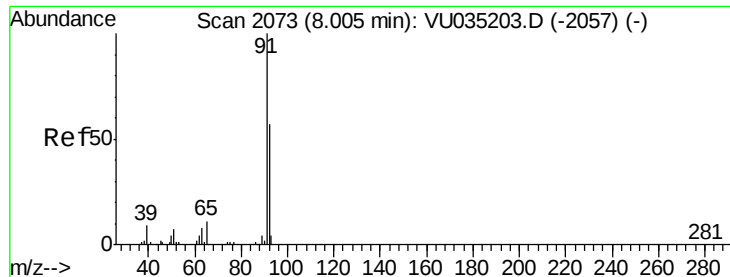
100000

0

7.80 7.90 8.00

Time-->





#42

Toluene

Concen: 5.099 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

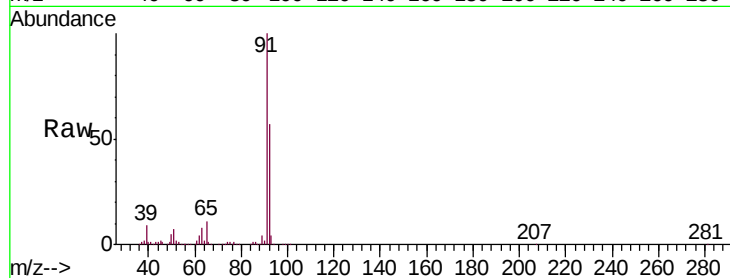
VSTD00502

Tgt Ion: 91 Resp: 601084

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VU035203.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035203.D (-2057) (-)

8.01

400000

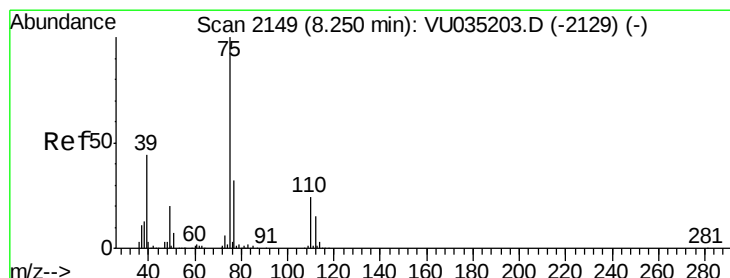
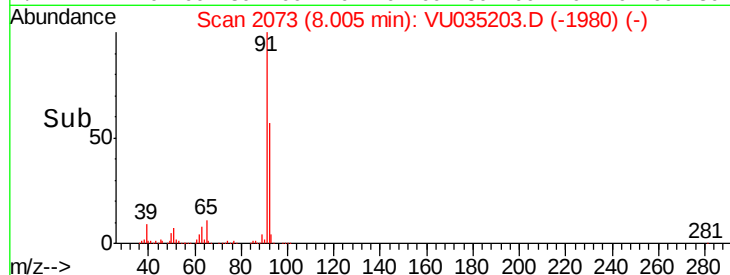
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.693 ug/L

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035203.D

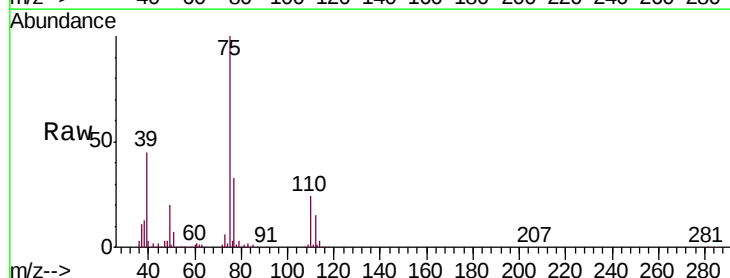
Acq: 17 Oct 2019 10:25

Tgt Ion: 75 Resp: 188286

Ion Ratio Lower Upper

75 100

77 32.9 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VU035203.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU035203.D (-2129) (-)

8.25

120000

100000

80000

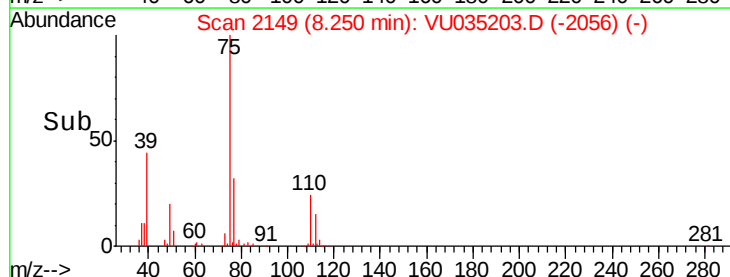
60000

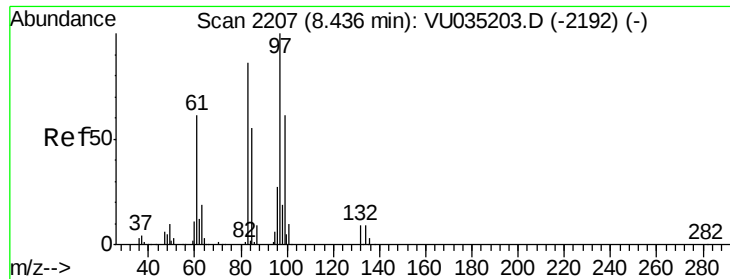
40000

20000

0

Time-->

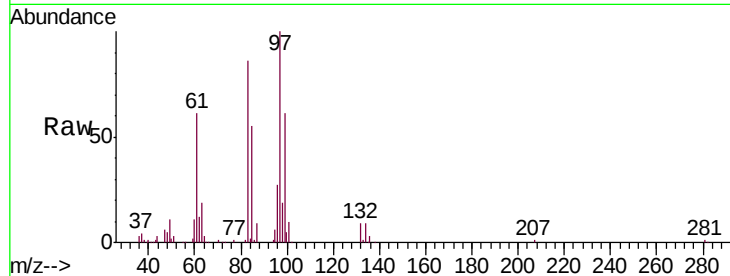




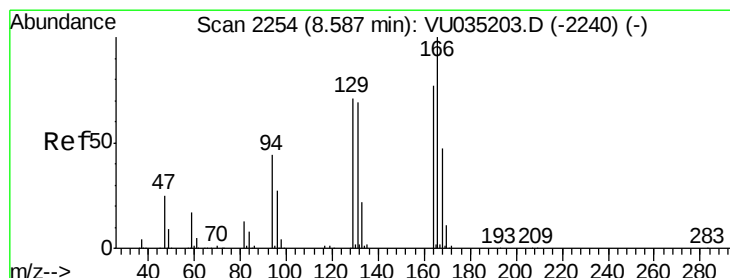
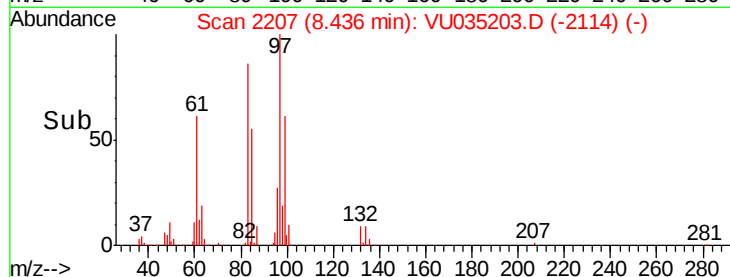
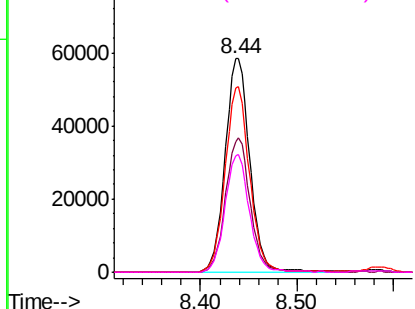
#45
 1,1,2-Trichloroethane
 Concen: 5.082 ug/L
 RT: 8.44 min Scan# 2207
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:	97	Resp:	103352
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.9	79.7
83	86.3	60.4	112.2
85	54.8	38.4	71.2

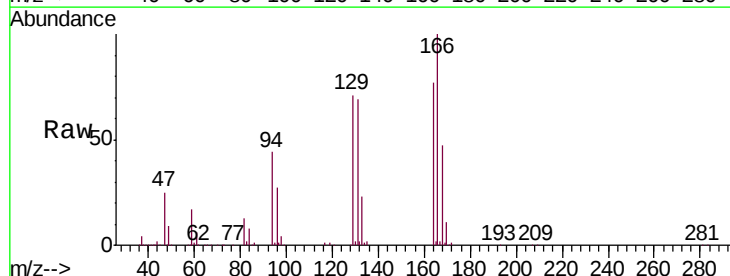


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

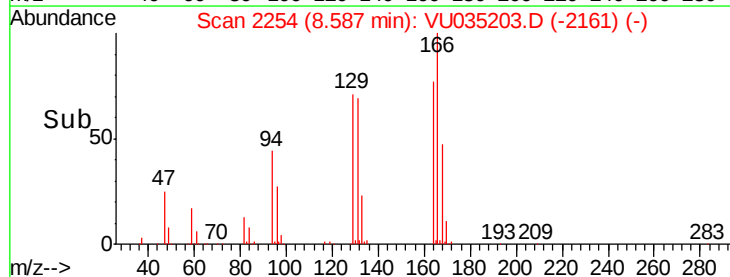
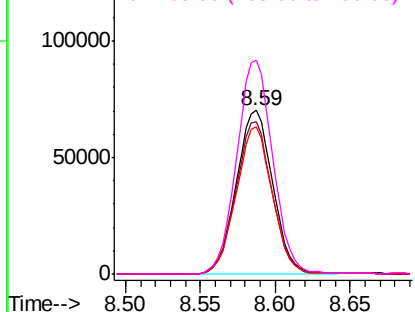


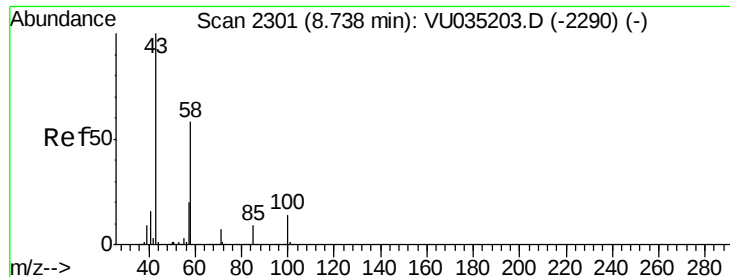
#47
 Tetrachloroethene
 Concen: 5.029 ug/L
 RT: 8.59 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion:	164	Resp:	119427
Ion	Ratio	Lower	Upper
164	100		
129	93.1	65.2	121.0
131	89.9	62.9	116.9
166	130.7	91.5	169.9



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

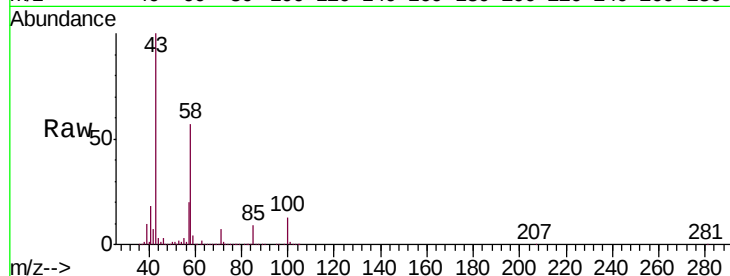




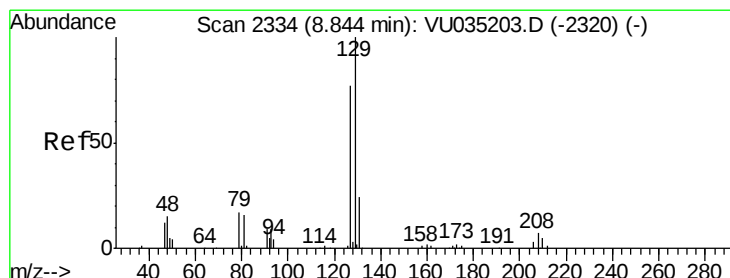
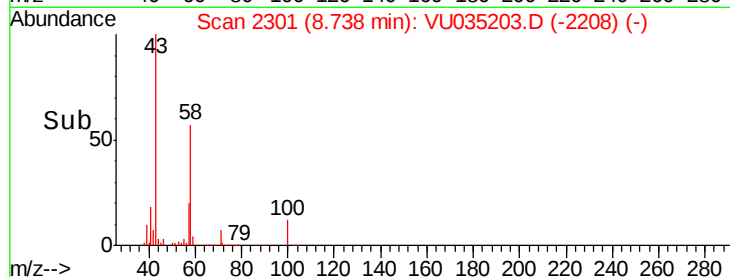
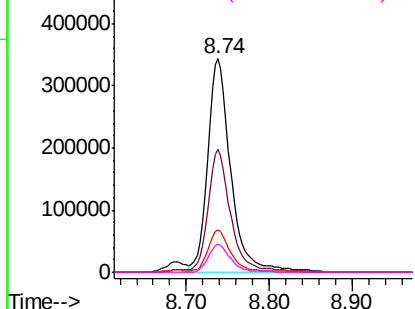
#48
2-Hexanone
Concen: 50.990 ug/L
RT: 8.74 min Scan# 2301
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion: 43 Resp: 672591
Ion Ratio Lower Upper
43 100
58 56.4 45.1 67.7
57 20.0 16.0 24.0
100 13.0 10.4 15.6

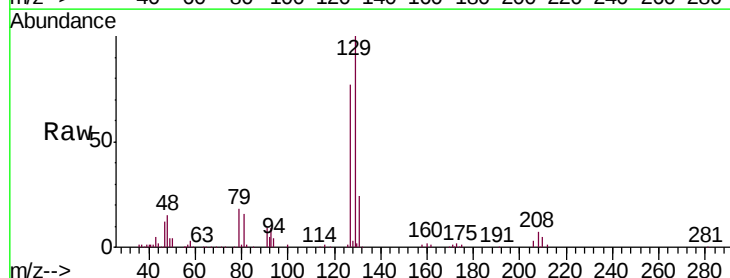


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

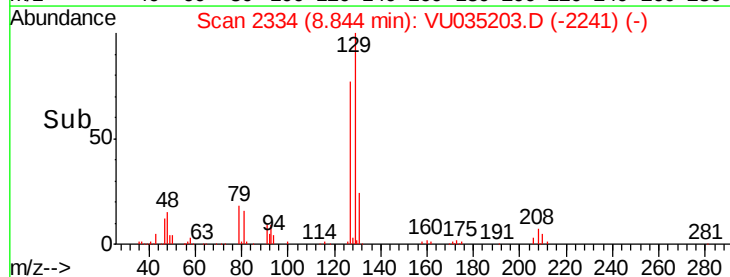
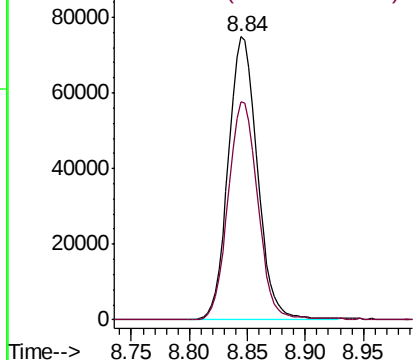


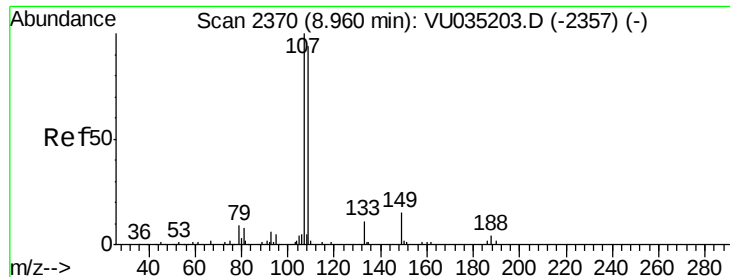
#49
Dibromochloromethane
Concen: 5.485 ug/L
RT: 8.84 min Scan# 2334
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion: 129 Resp: 130947
Ion Ratio Lower Upper
129 100
127 76.8 53.8 99.8



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

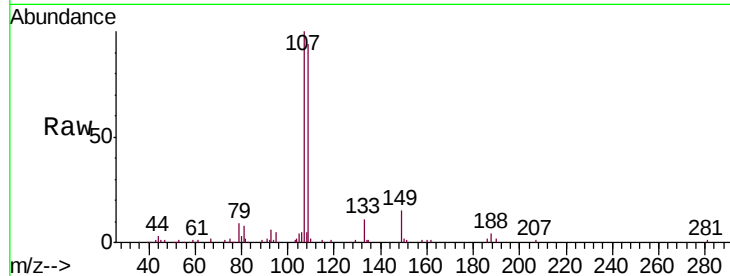




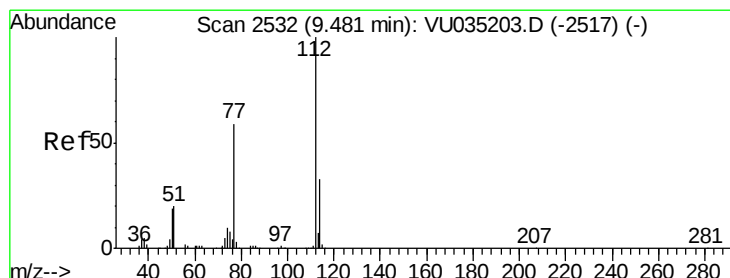
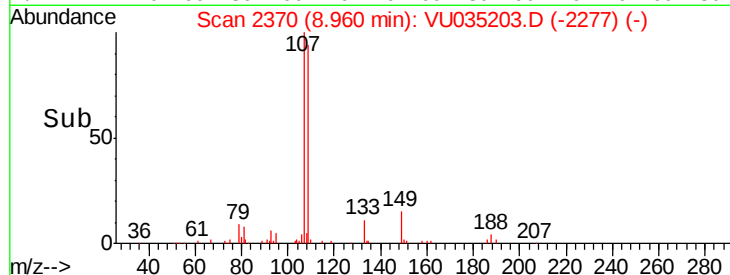
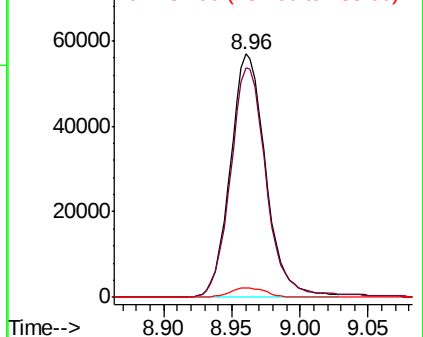
#50
1,2-Dibromoethane
Concen: 5.239 ug/L
RT: 8.96 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	66.1	122.8
188	4.0	3.2	4.8

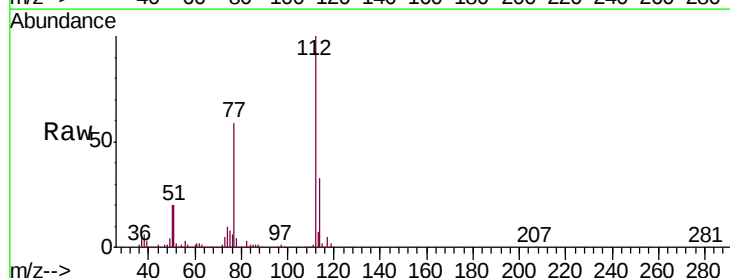


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

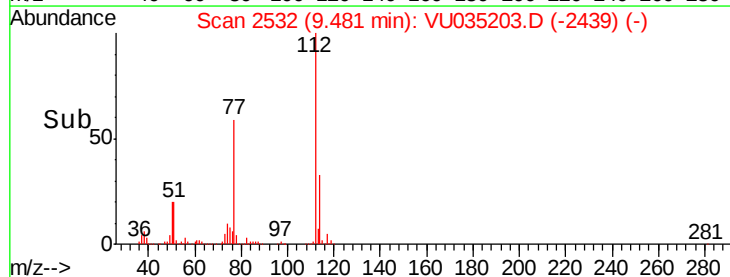
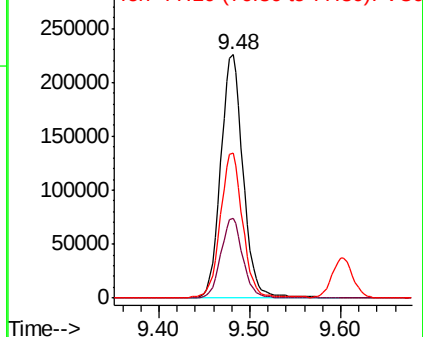


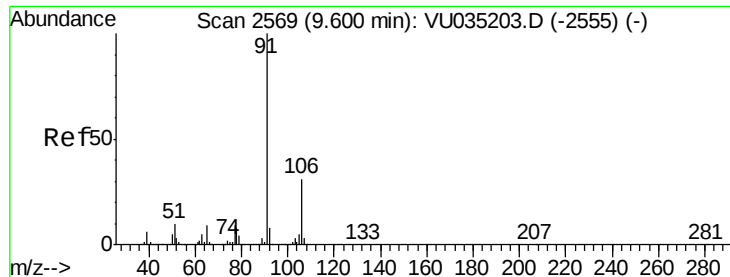
#51
Chlorobenzene
Concen: 5.022 ug/L
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	23.0	42.8
77	59.4	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): V





#52

Ethylbenzene

Concen: 5.195 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

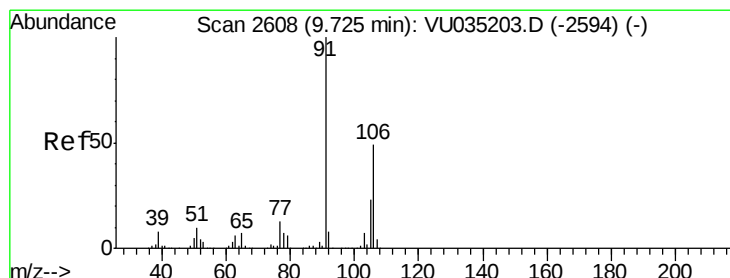
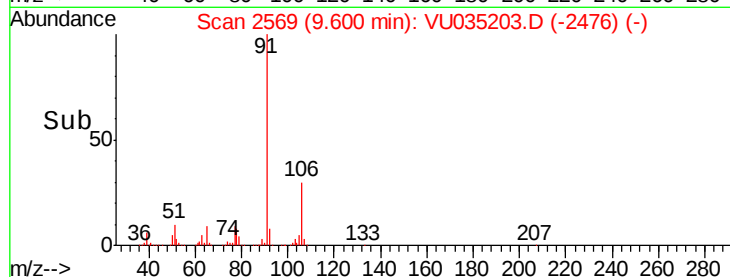
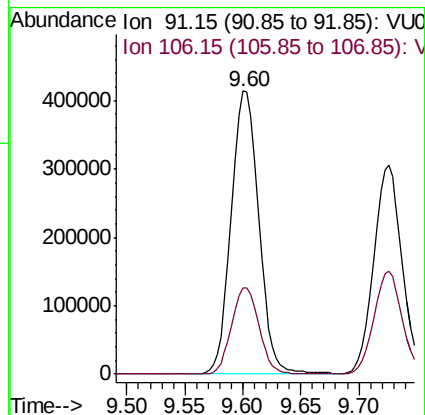
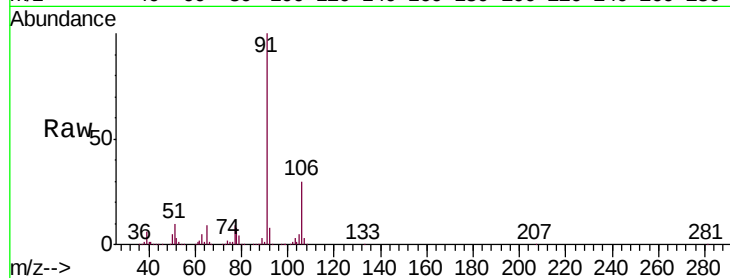
VSTD00502

Tgt Ion: 91 Resp: 682259

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#53

m,p-Xylene

Concen: 5.308 ug/L

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035203.D

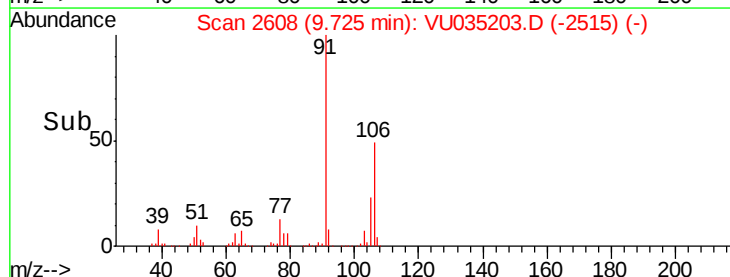
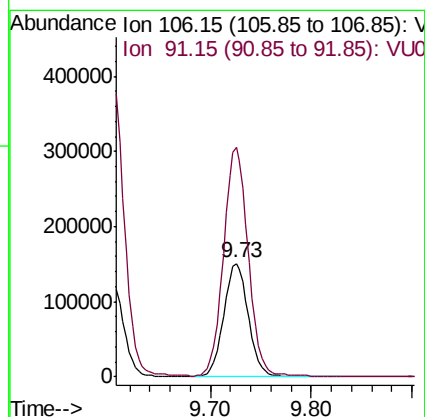
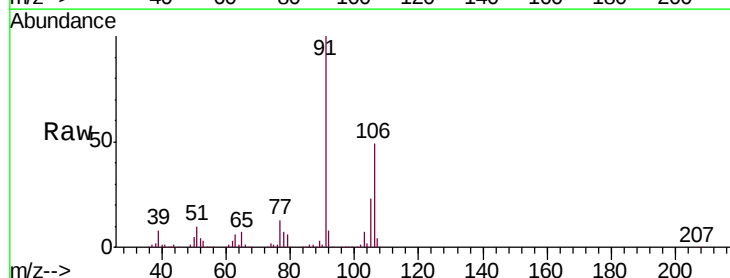
Acq: 17 Oct 2019 10:25

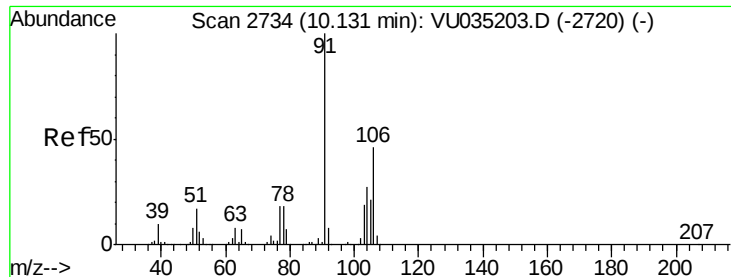
Tgt Ion: 106 Resp: 258438

Ion Ratio Lower Upper

106 100

91 202.8 142.0 263.6

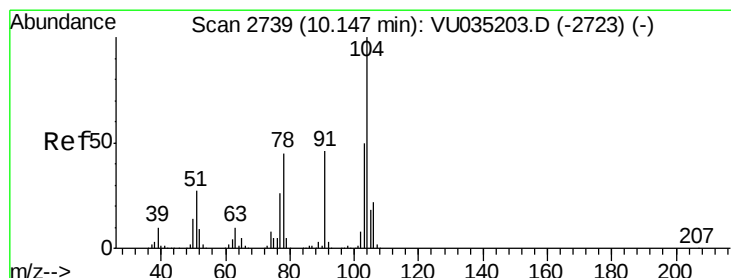
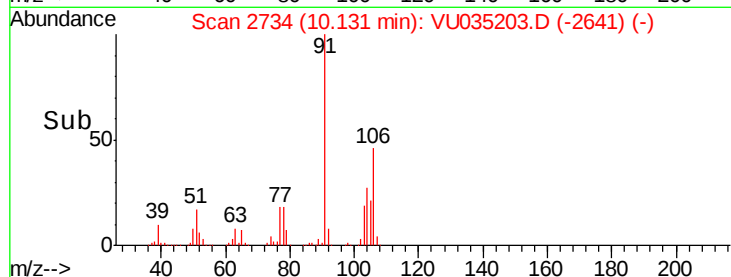
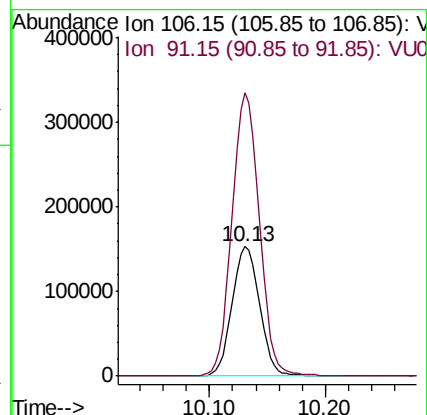
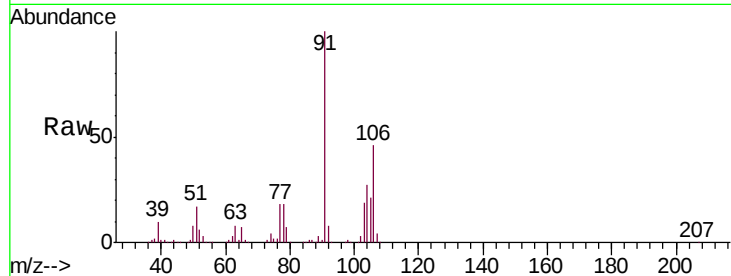




#54
o-Xylene
Concen: 5.260 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

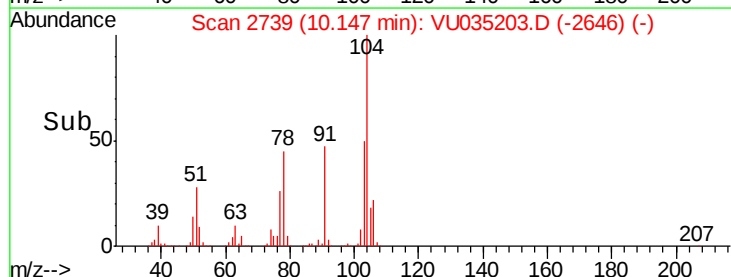
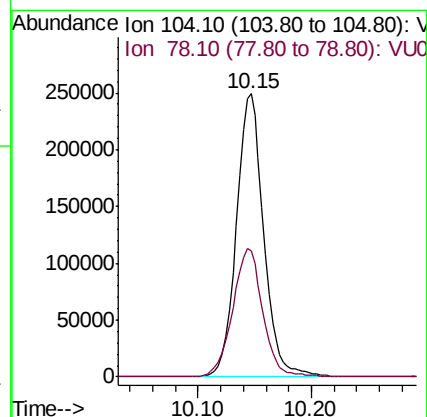
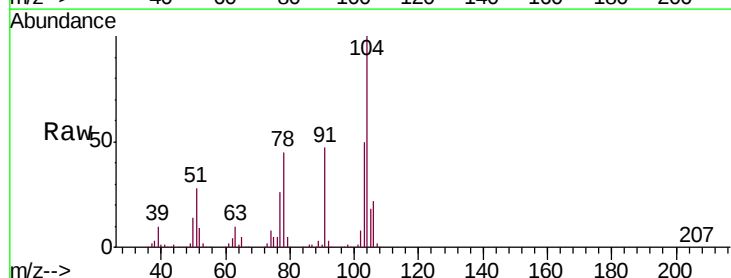
Instrument :
MSVOA_U
ClientSampleId :
VSTD00502

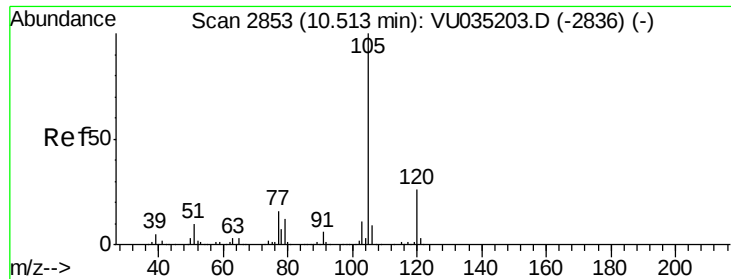
Tgt Ion:106 Resp: 250330
Ion Ratio Lower Upper
106 100
91 218.9 153.2 284.6



#55
Styrene
Concen: 5.400 ug/L
RT: 10.15 min Scan# 2739
Delta R.T. 0.00 min
Lab File: VU035203.D
Acq: 17 Oct 2019 10:25

Tgt Ion:104 Resp: 416838
Ion Ratio Lower Upper
104 100
78 44.7 31.3 58.1





#56

Isopropylbenzene

Concen: 5.345 ug/L

RT: 10.51 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

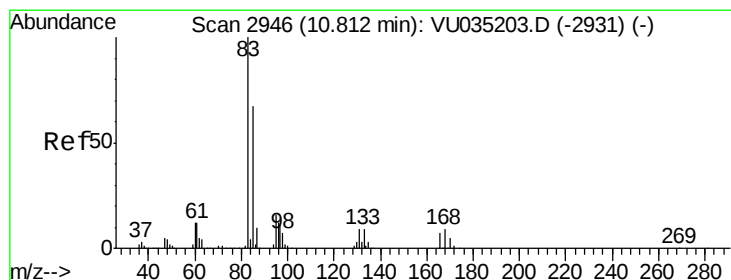
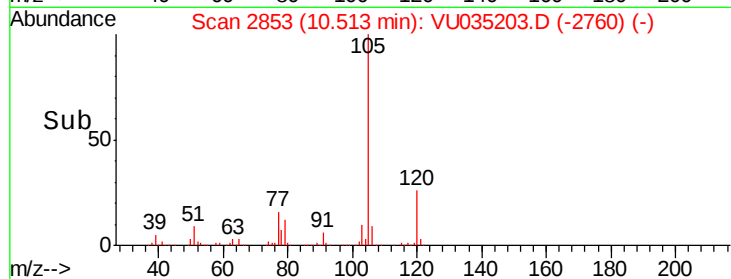
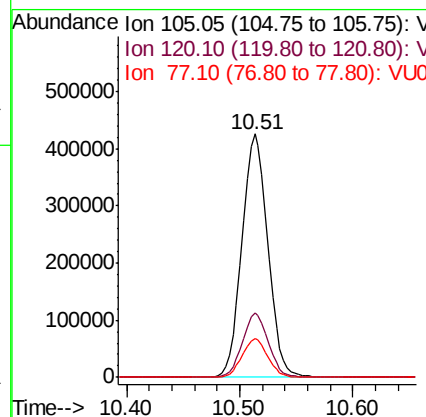
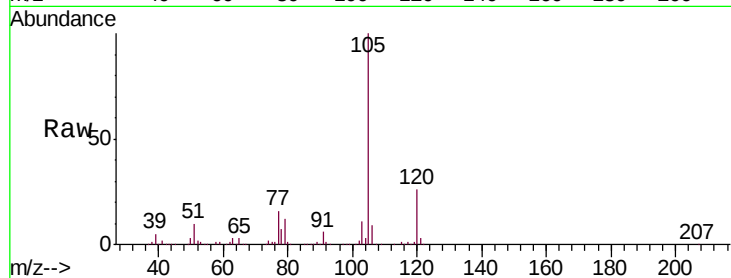
Instrument :

MSVOA_U

ClientSampleId :

VSTD00502

Tgt Ion:	105	Resp:	680747
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.0	31.6
77	15.8	12.6	19.0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.788 ug/L

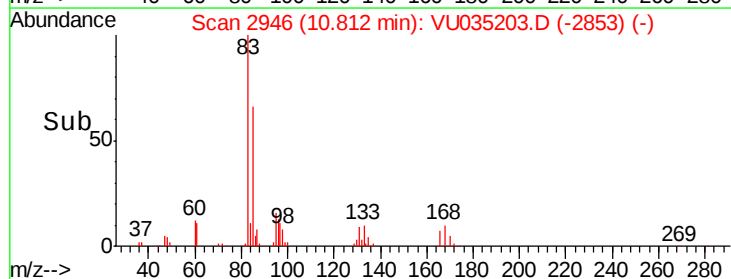
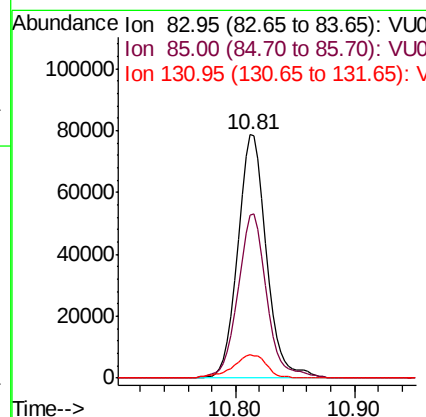
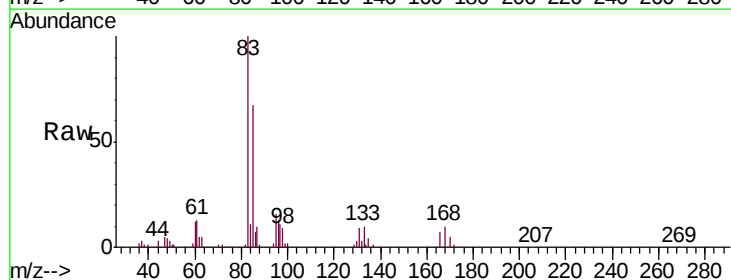
RT: 10.81 min Scan# 2946

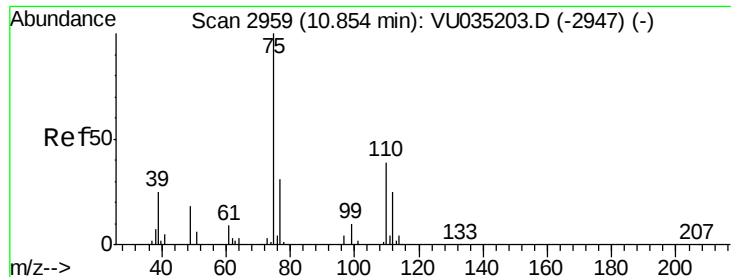
Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Tgt Ion:	83	Resp:	131135
Ion	Ratio	Lower	Upper
83	100		
85	66.8	46.8	86.8
131	9.4	7.5	11.3





#59

1,2,3-Trichloropropane

Concen: 4.894 ug/L

RT: 10.85 min Scan# 2959

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampleId :

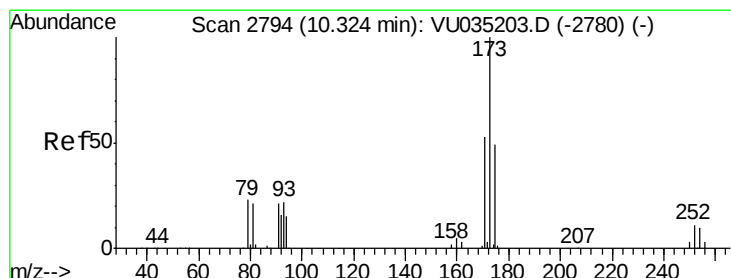
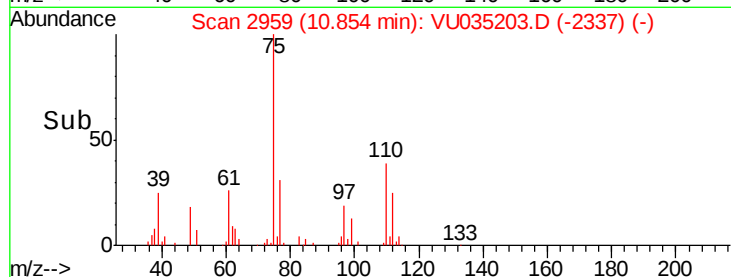
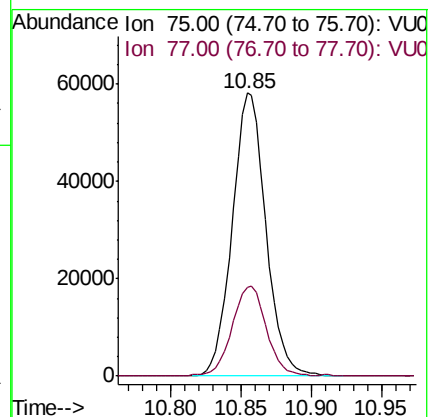
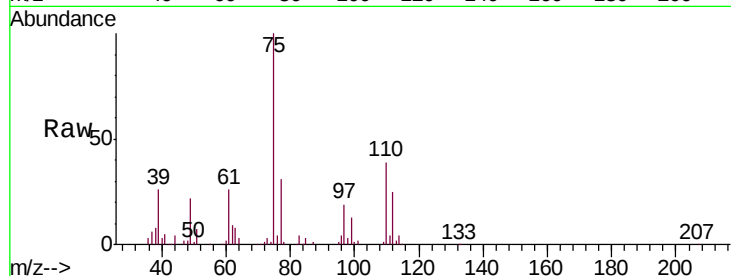
VSTD00502

Tgt Ion: 75 Resp: 96708

Ion Ratio Lower Upper

75 100

77 32.7 26.2 39.2



#61

Bromoform

Concen: 6.033 ug/L

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

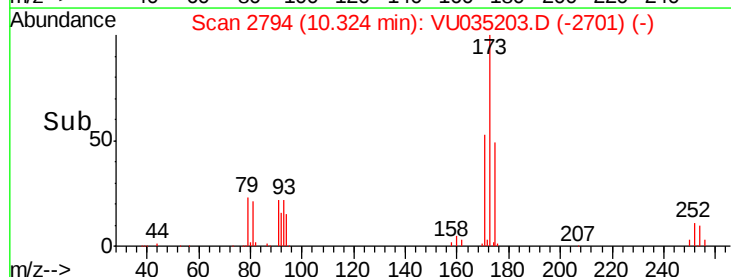
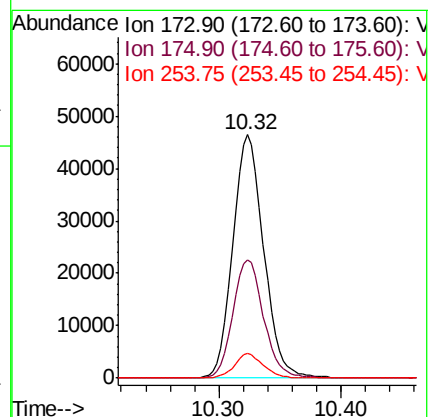
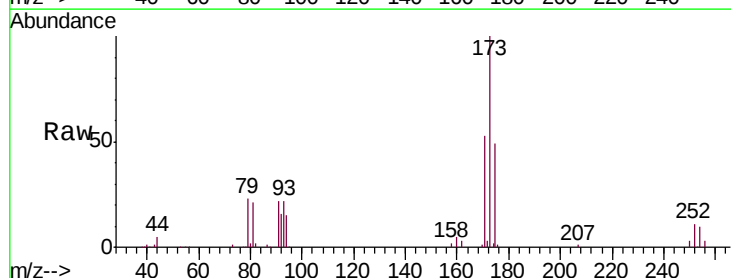
Tgt Ion: 173 Resp: 81902

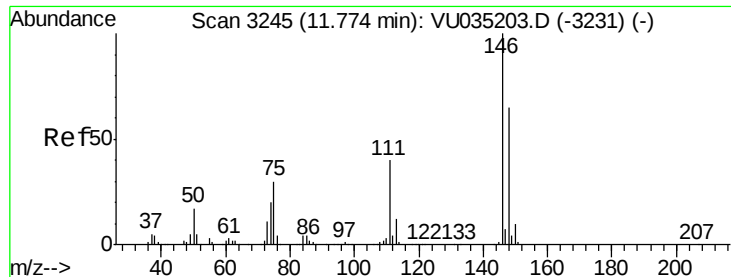
Ion Ratio Lower Upper

173 100

175 48.5 38.8 58.2

254 9.4 7.5 11.3

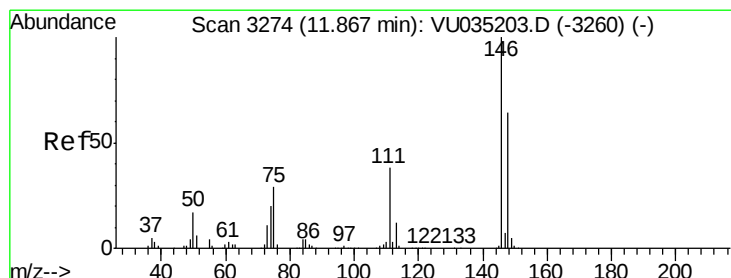
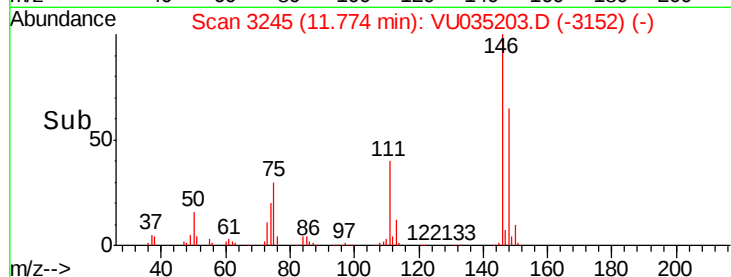
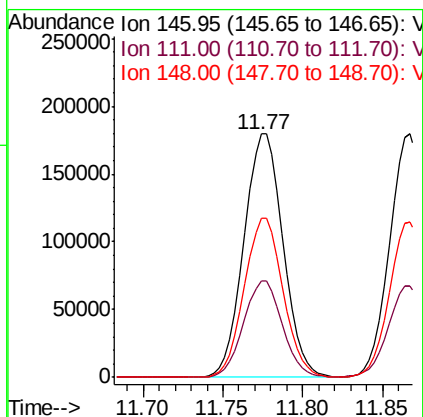
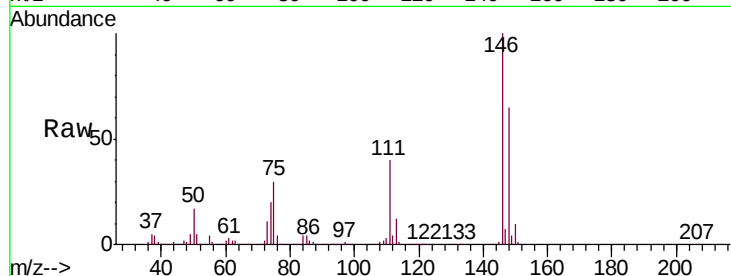




#62
 1,3-Dichlorobenzene
 Concen: 5.189 ug/L
 RT: 11.77 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

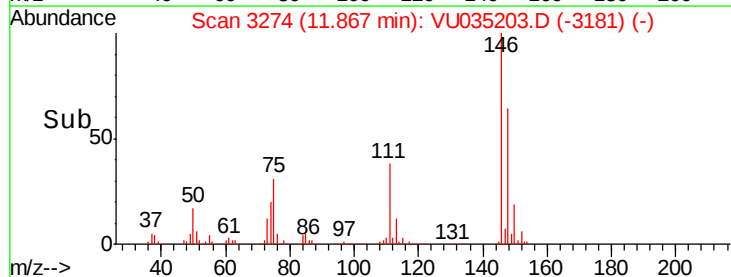
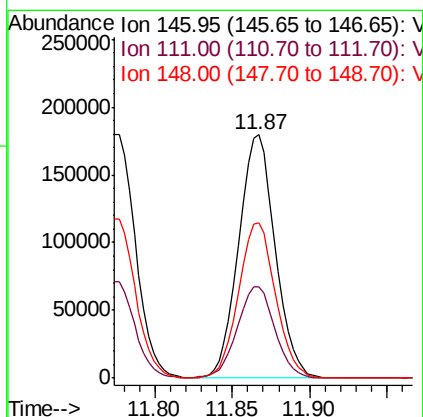
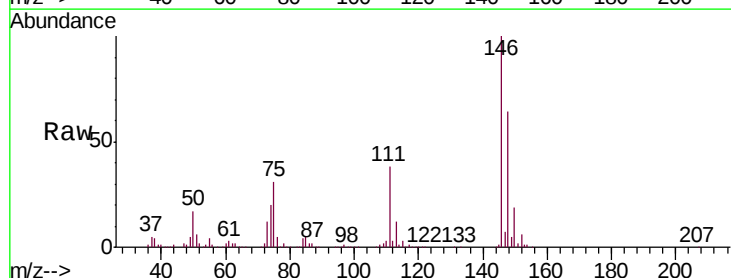
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

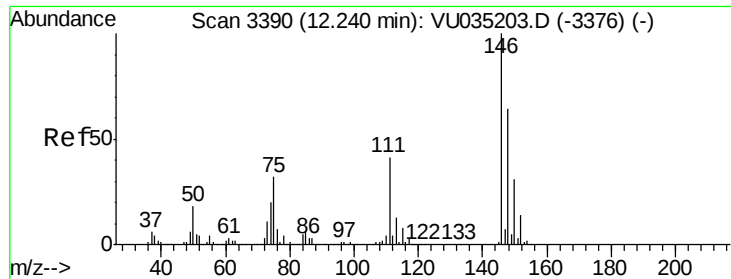
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	27.8	51.6
148	65.2	45.6	84.8



#63
 1,4-Dichlorobenzene
 Concen: 5.079 ug/L
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.4	49.0
148	63.9	44.7	83.1

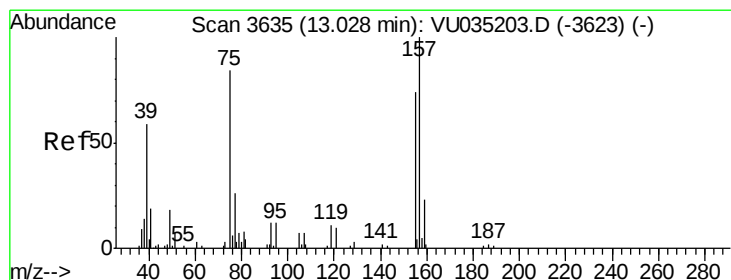
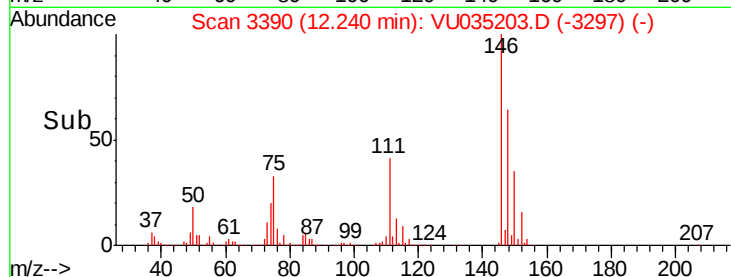
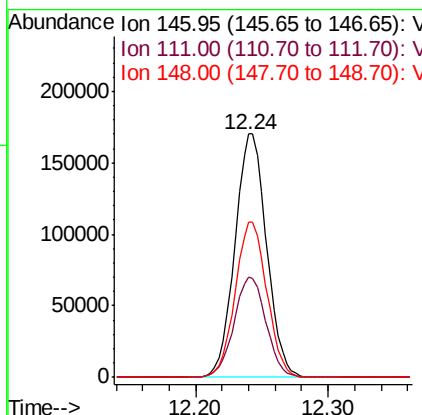
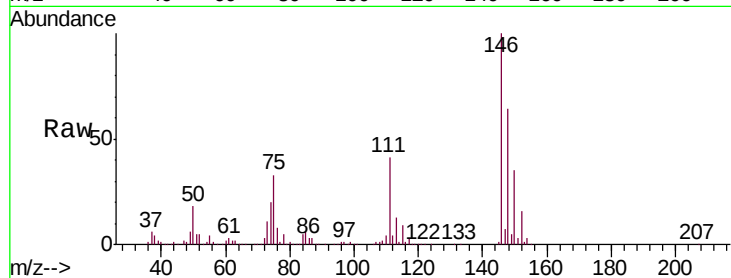




#65
 1,2-Dichlorobenzene
 Concen: 5.078 ug/L
 RT: 12.24 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

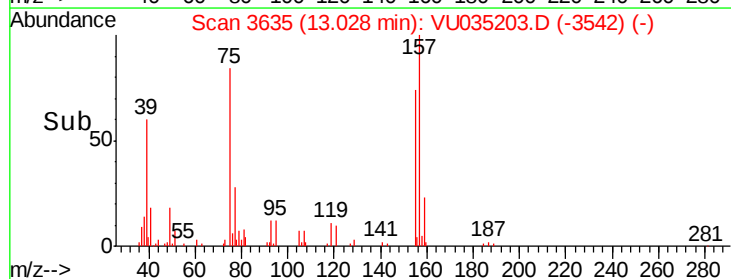
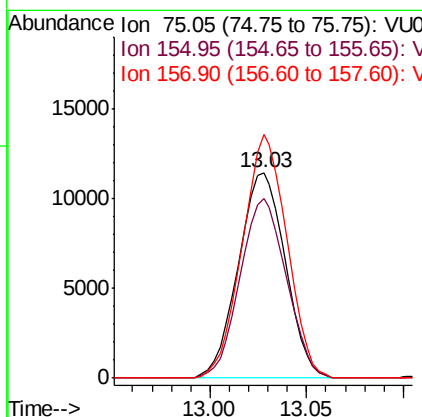
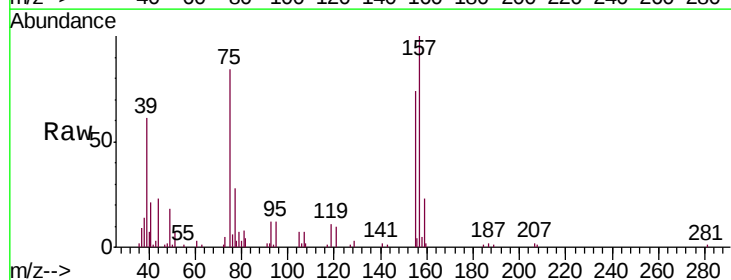
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

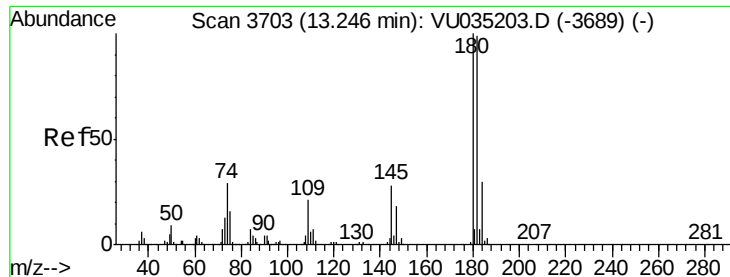
Tgt Ion: 146 Resp: 281289
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.0 49.6
 148 63.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.453 ug/L
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion: 75 Resp: 19292
 Ion Ratio Lower Upper
 75 100
 155 87.5 70.0 105.0
 157 118.4 94.7 142.1

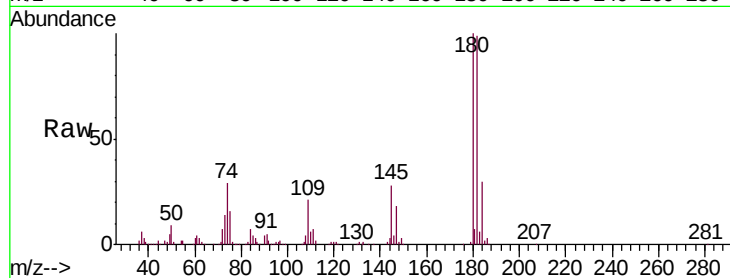




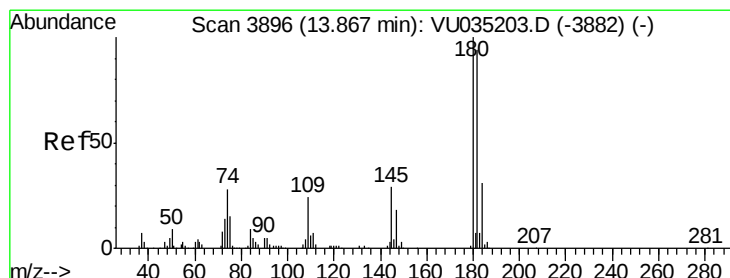
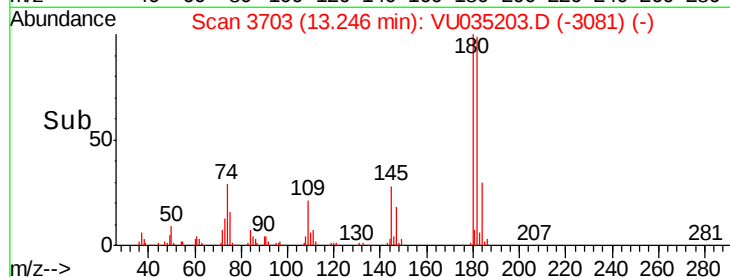
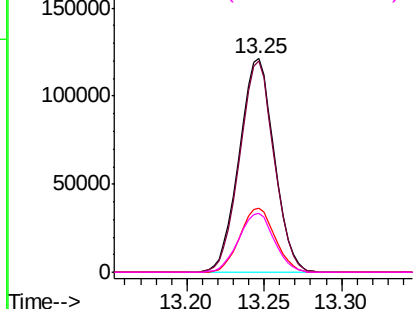
#67
 1,3,5-Trichlorobenzene
 Concen: 4.977 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00502

Tgt Ion:	180	Resp:	191490
Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
184	29.9	23.9	35.9
145	28.0	22.4	33.6

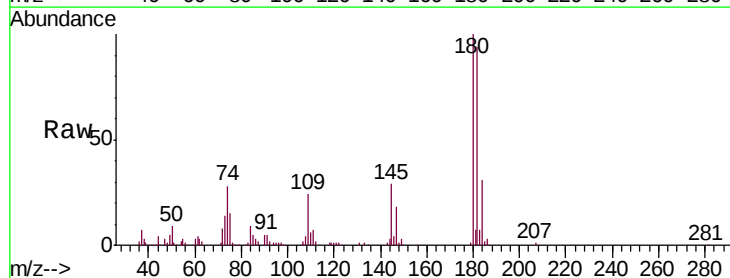


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

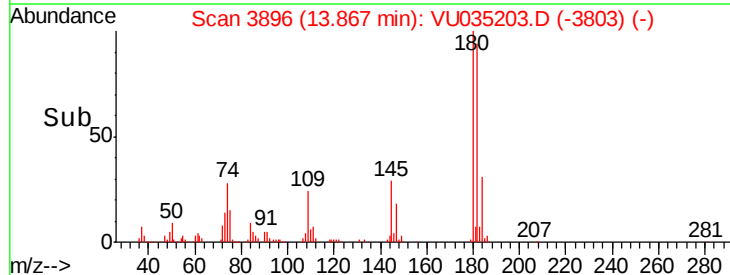
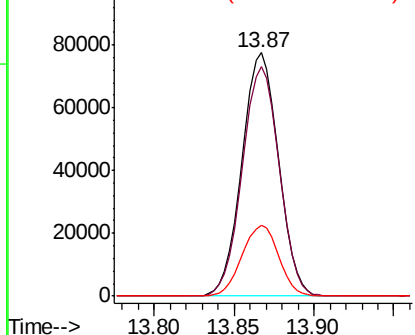


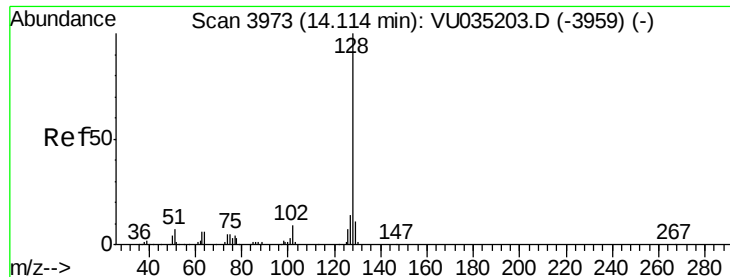
#68
 1,2,4-trichlorobenzene
 Concen: 4.330 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU035203.D
 Acq: 17 Oct 2019 10:25

Tgt Ion:	180	Resp:	120670
Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	29.3	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: 3.291 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

Instrument :

MSVOA_U

ClientSampled :

VSTD00502

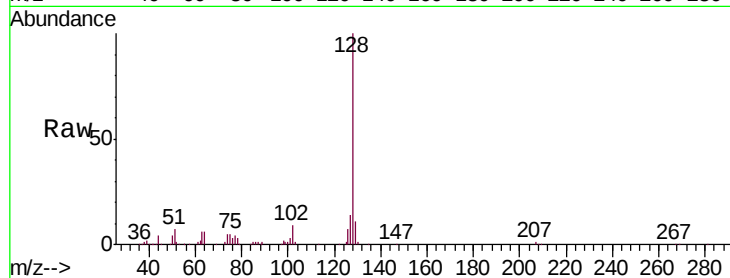
Tgt Ion:128 Resp: 137244

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

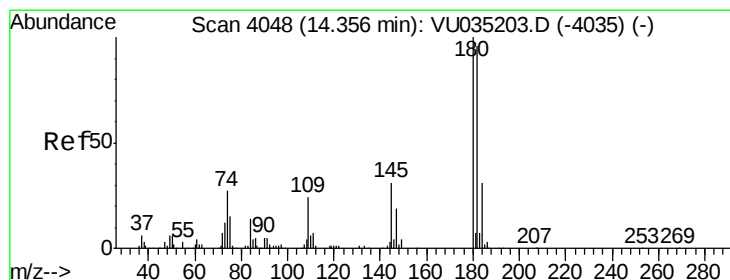
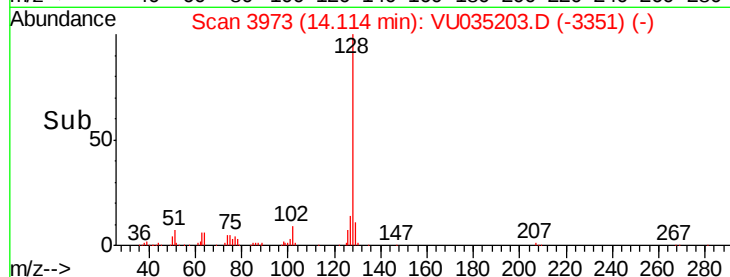
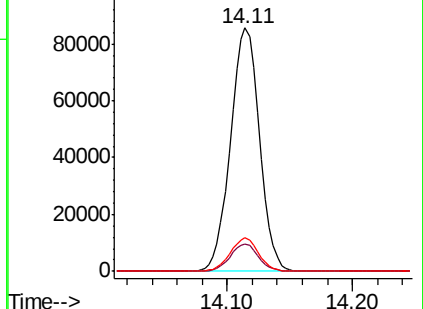
127 13.4 10.7 16.1



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: 4.178 ug/L

RT: 14.36 min Scan# 4048

Delta R.T. 0.00 min

Lab File: VU035203.D

Acq: 17 Oct 2019 10:25

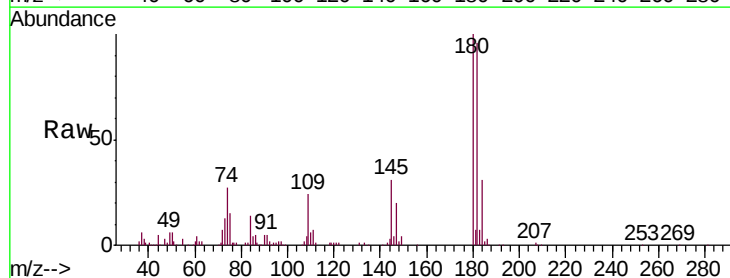
Tgt Ion:180 Resp: 112678

Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 30.8 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

