

Data File : VU035909.D
Acq On : 29 Nov 2019 08:55
Operator : JC/SP
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Quant Time: Nov 30 03:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR112119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 29 14:01:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	238275	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	263378	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	141229	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	144618	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.93	69	134710	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.59	63	243377	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	4.68	46	339444	47.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.24%
24) Chloroform-d	5.11	84	265783	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.75	65	138837	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.77	84	491280	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.73	67	165256	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.93	98	445621	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.21	79	61499	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.67	63	281021	53.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.14%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	139183	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	143796	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	149517	4.631 ug/L	99
3) Chloromethane	1.54	50	174881	4.399 ug/L	98
5) Vinyl chloride	1.62	62	184625	4.640 ug/L	97
6) Bromomethane	1.87	94	103821	5.077 ug/L	99
8) Chloroethane	1.95	64	114930	4.992 ug/L	97
9) Trichlorofluoromethane	2.16	101	233434	5.052 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	130713	4.981 ug/L	93
12) 1,1-Dichloroethene	2.61	96	113472	4.577 ug/L	89
13) Acetone	2.66	43	318625	50.363 ug/L	94
14) Carbon disulfide	2.82	76	345545	4.196 ug/L	100
15) Methyl Acetate	2.99	43	56418	4.448 ug/L	98
16) Methylene chloride	3.08	84	151377	5.054 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	271821	4.531 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	116976	4.792 ug/L	97
19) 1,1-Dichloroethane	3.92	63	263349	4.801 ug/L	99
21) 2-Butanone	4.76	43	404922	50.580 ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	127555	4.689 ug/L	98

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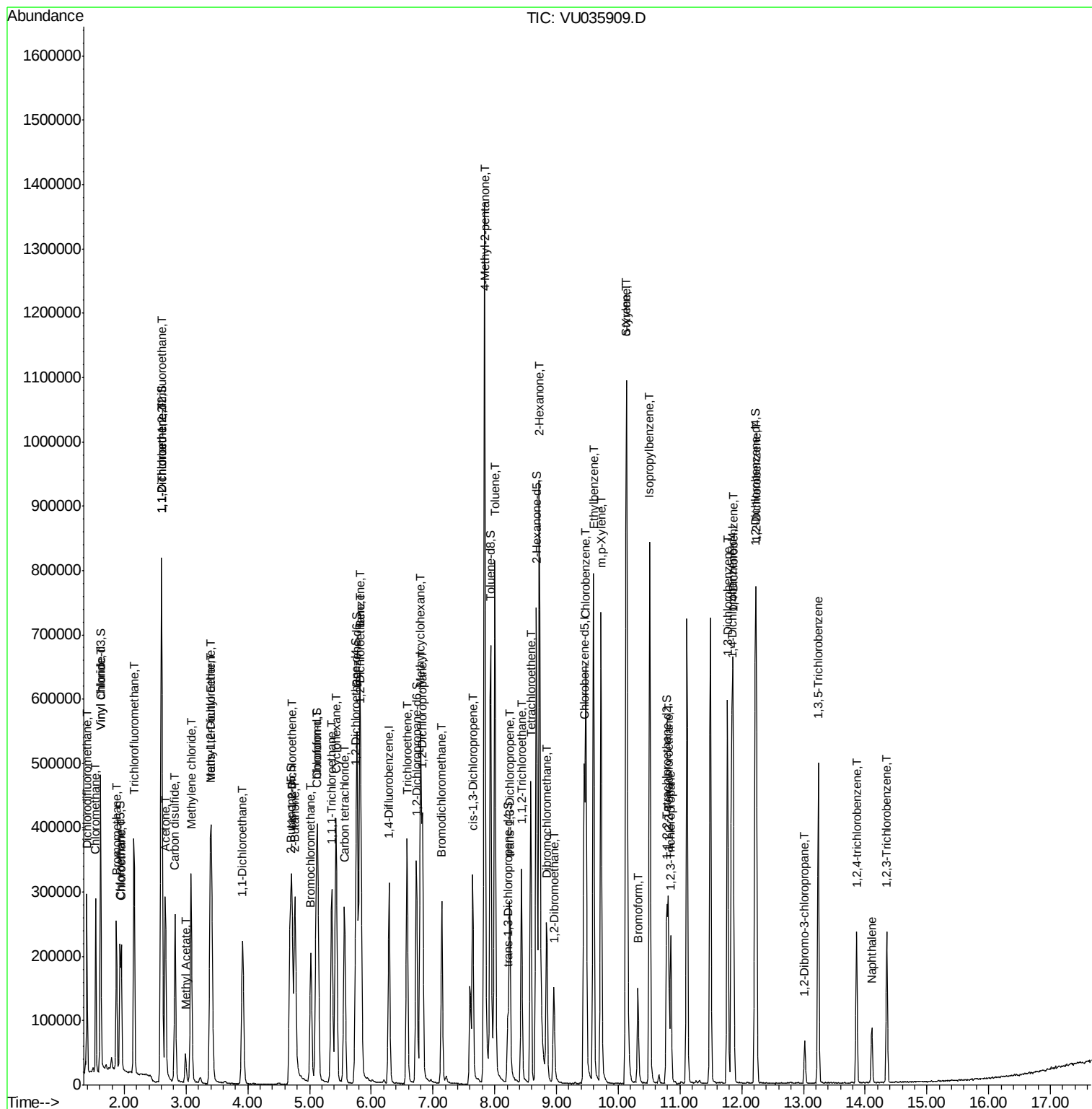
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	61575	5.195	ug/L	98
25) Chloroform	5.13	83	261433	4.898	ug/L	96
27) 1,2-Dichloroethane	5.84	62	165776	4.722	ug/L	98
29) 1,1,1-Trichloroethane	5.36	97	212461	4.996	ug/L	98
30) Cyclohexane	5.43	56	188767	4.542	ug/L	98
31) Carbon tetrachloride	5.57	117	186424	5.062	ug/L	98
33) Benzene	5.82	78	553723	5.037	ug/L	100
34) Trichloroethene	6.58	95	136211	5.053	ug/L	97
35) Methylcyclohexane	6.80	83	174790	4.419	ug/L	100
37) 1,2-Dichloropropane	6.83	63	155098	4.974	ug/L	99
38) Bromodichloromethane	7.14	83	182410	4.881	ug/L	98
39) cis-1,3-Dichloropropene	7.64	75	188568	4.672	ug/L	98
40) 4-Methyl-2-pentanone	7.84	43	916056	47.853	ug/L	99
42) Toluene	8.00	91	580612	5.077	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	164068	4.902	ug/L	100
45) 1,1,2-Trichloroethane	8.43	97	106291	5.231	ug/L	96
47) Tetrachloroethene	8.58	164	103592	5.050	ug/L	97
48) 2-Hexanone	8.72	43	661442	46.932	ug/L	95
49) Dibromochloromethane	8.84	129	123794	5.165	ug/L	98
50) 1,2-Dibromoethane	8.96	107	94713	5.094	ug/L	90
51) Chlorobenzene	9.47	112	336926	4.756	ug/L	99
52) Ethylbenzene	9.60	91	545372	4.612	ug/L	98
53) m,p-Xylene	9.72	106	206383	4.950	ug/L	97
54) o-Xylene	10.13	106	197329	4.873	ug/L	99
55) Styrene	10.14	104	338151	5.035	ug/L	98
56) Isopropylbenzene	10.51	105	518925	4.851	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	138706	4.933	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	98981	4.883	ug/L	99
61) Bromoform	10.32	173	68814	4.850	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	249631	4.925	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	237410	4.757	ug/L	98
65) 1,2-Dichlorobenzene	12.24	146	240301	4.969	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	16566	4.140	ug/L	84
67) 1,3,5-Trichlorobenzene	13.24	180	149835	4.919	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	71132	4.063	ug/L	99
69) Naphthalene	14.11	128	64612	2.621	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	68256	4.009	ug/L	99

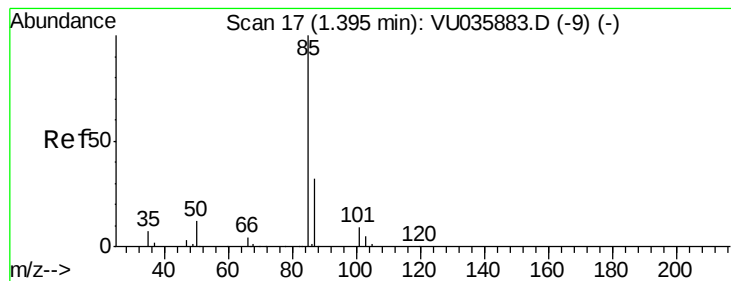
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.631 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

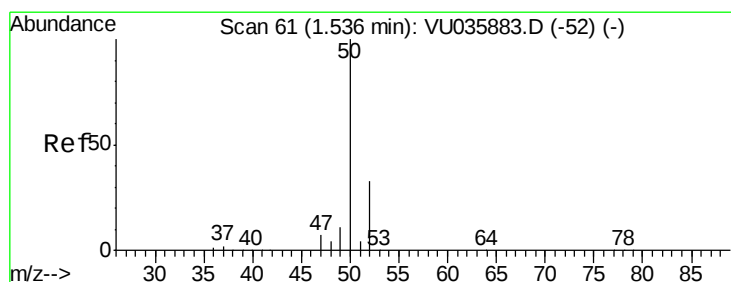
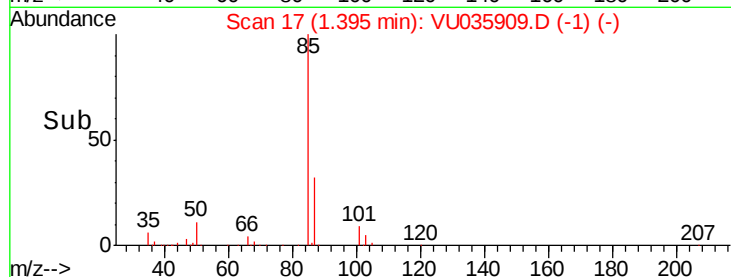
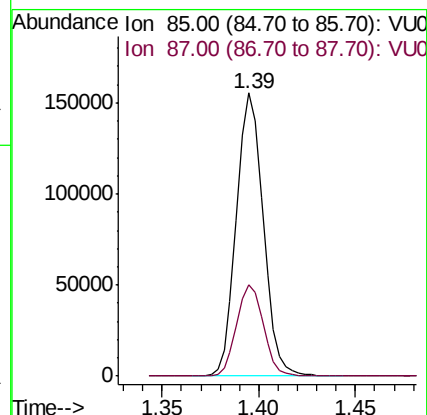
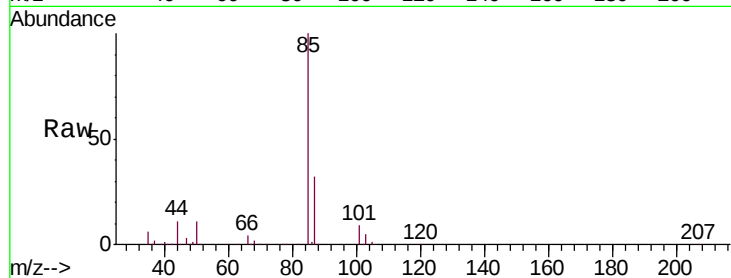
VSTD00515

Tgt Ion: 85 Resp: 149517

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2



#3

Chloromethane

Concen: 4.399 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU035909.D

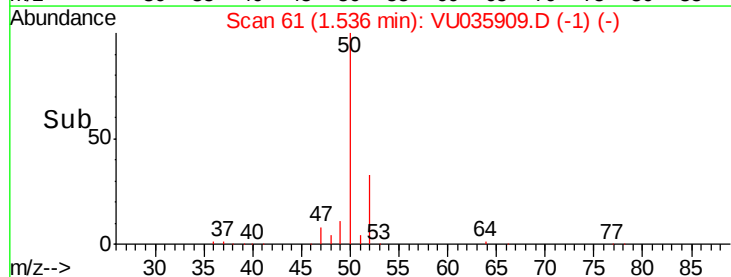
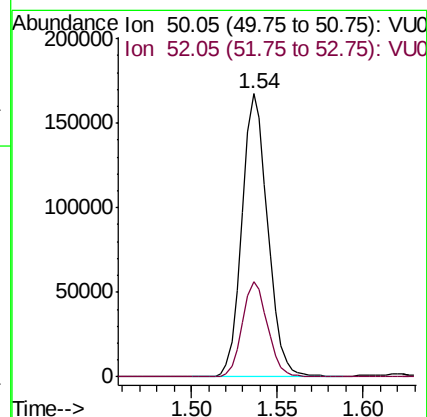
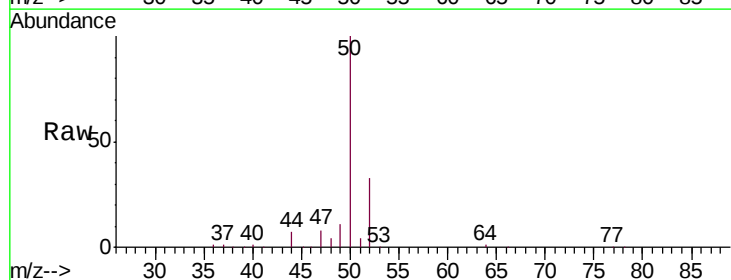
Acq: 29 Nov 2019 08:55

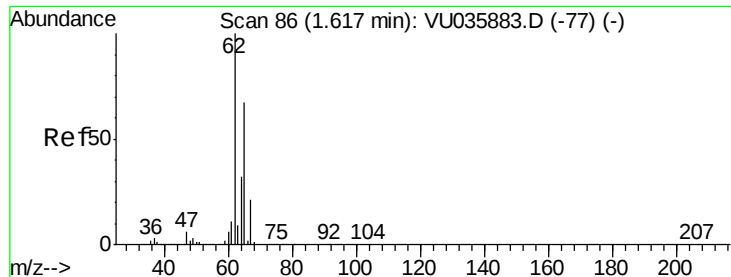
Tgt Ion: 50 Resp: 174881

Ion Ratio Lower Upper

50 100

52 33.4 22.7 42.3





#5

Vinyl chloride

Concen: 4.640 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

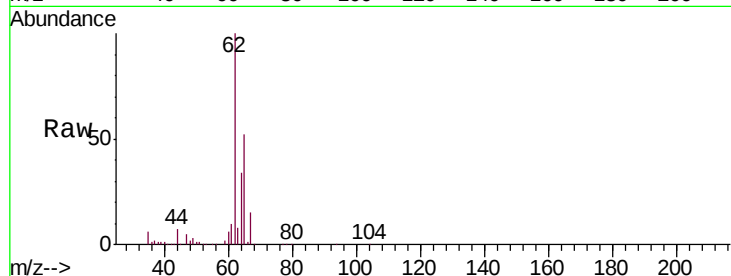
VSTD00515

Tgt Ion: 62 Resp: 184625

Ion Ratio Lower Upper

62 100

64 34.1 22.5 41.9



Abundance Ion 62.00 (61.70 to 62.70): VU035883.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU035883.D (-77) (-)

1.62

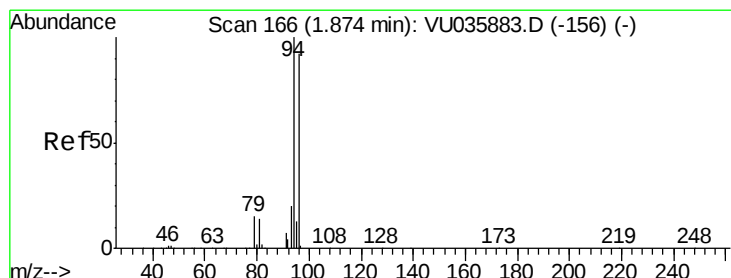
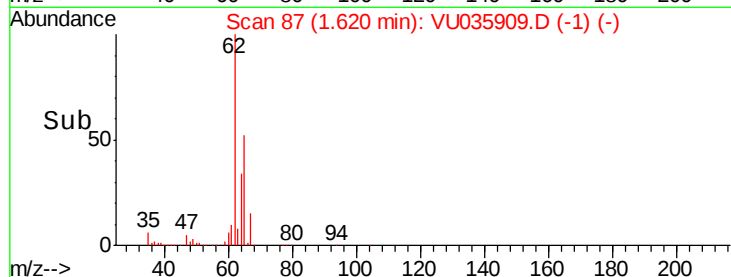
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 5.077 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU035909.D

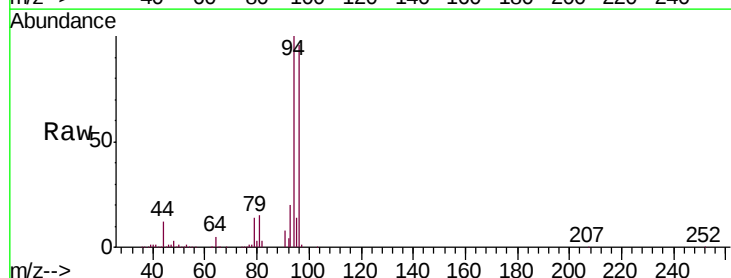
Acq: 29 Nov 2019 08:55

Tgt Ion: 94 Resp: 103821

Ion Ratio Lower Upper

94 100

96 96.4 66.5 123.5



Abundance Ion 94.00 (93.70 to 94.70): VU035883.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU035883.D (-156) (-)

1.87

80000

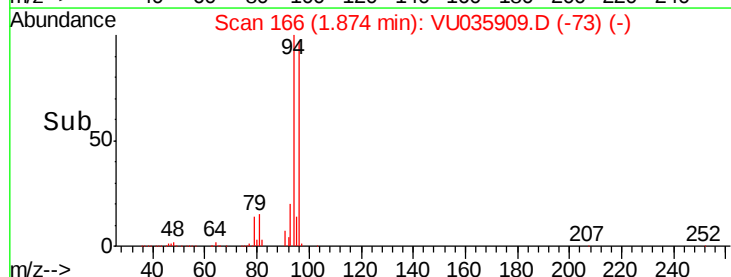
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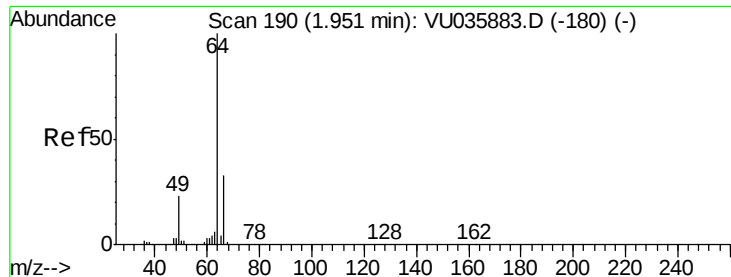
40000

20000

0

Time--> 1.80 1.85 1.90





#8

Chloroethane

Concen: 4.992 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

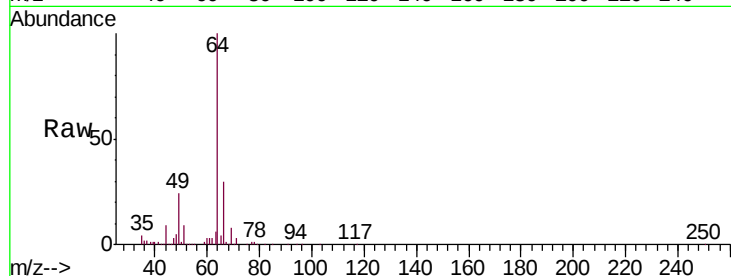
VSTD00515

Tgt Ion: 64 Resp: 114930

Ion Ratio Lower Upper

64 100

66 30.0 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VU035883.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU035883.D (-180) (-)

1.95

100000

80000

60000

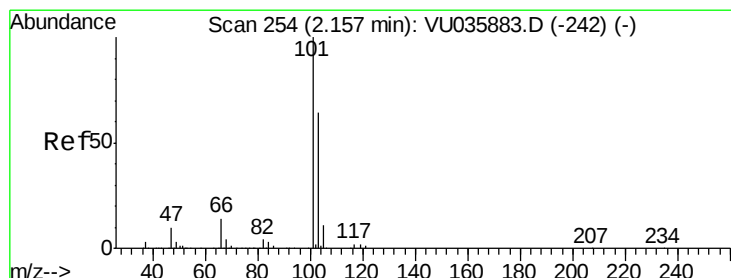
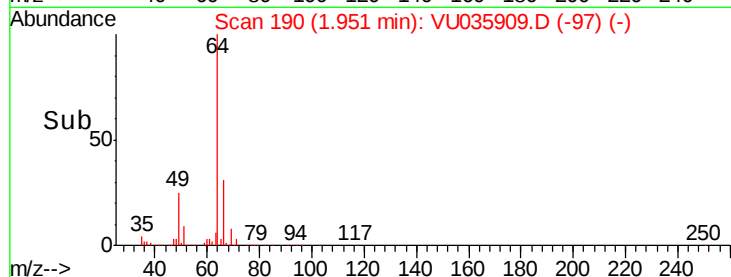
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.052 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU035909.D

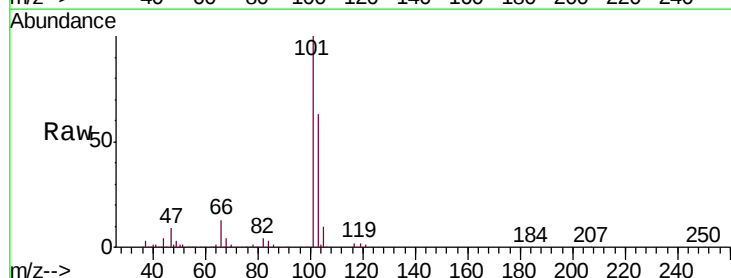
Acq: 29 Nov 2019 08:55

Tgt Ion: 101 Resp: 233434

Ion Ratio Lower Upper

101 100

103 63.5 49.8 74.6



Abundance Ion 101.00 (100.70 to 101.70): VU035883.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU035883.D (-242) (-)

2.16

150000

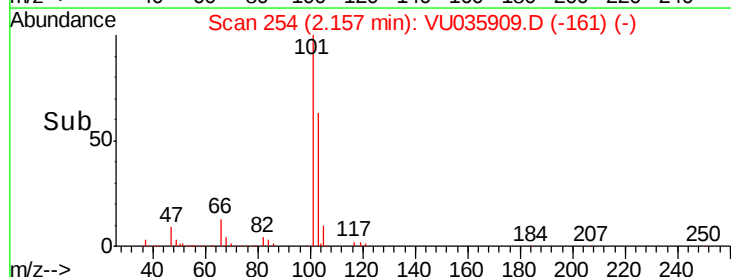
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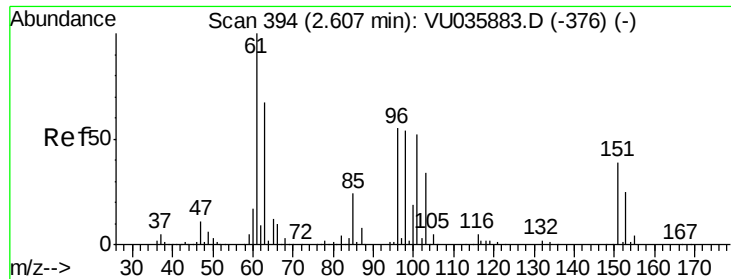
50000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 4.981 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

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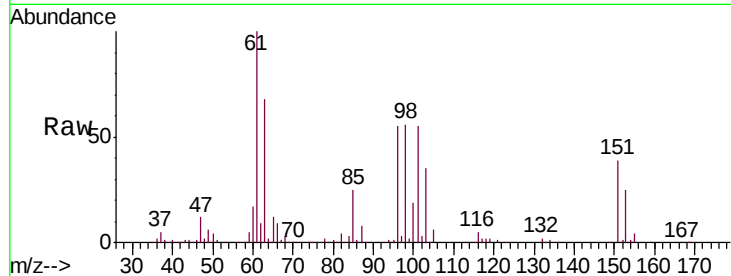
Tgt Ion:101 Resp: 130713

Ion Ratio Lower Upper

101 100

85 44.7 38.1 57.1

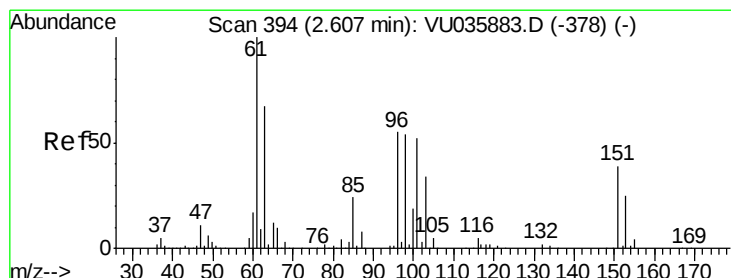
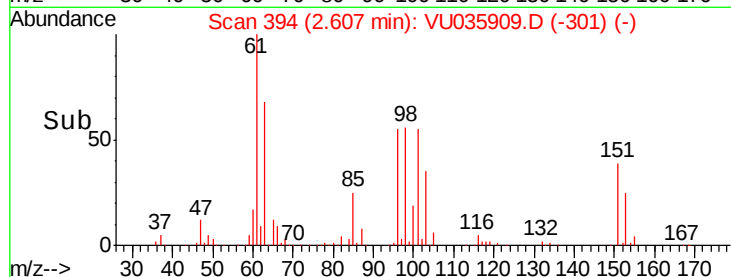
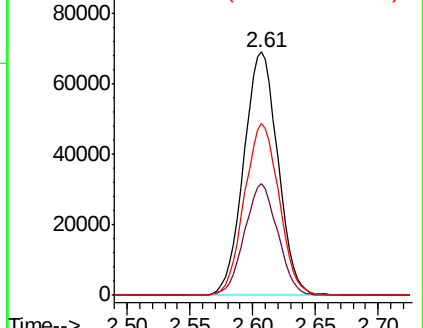
151 71.9 52.0 78.0



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: 4.577 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

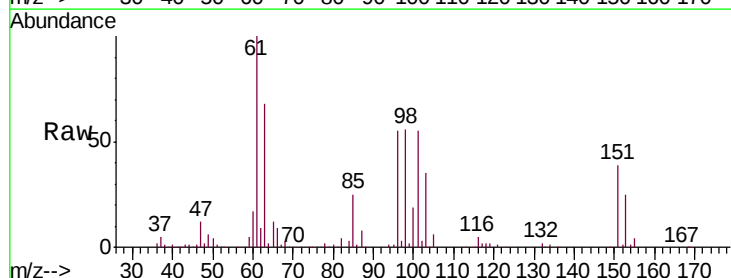
Tgt Ion: 96 Resp: 113472

Ion Ratio Lower Upper

96 100

61 180.9 139.3 258.7

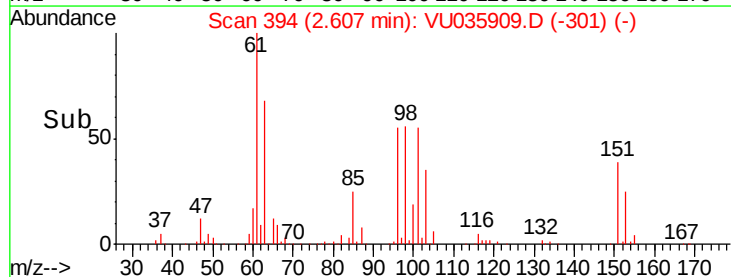
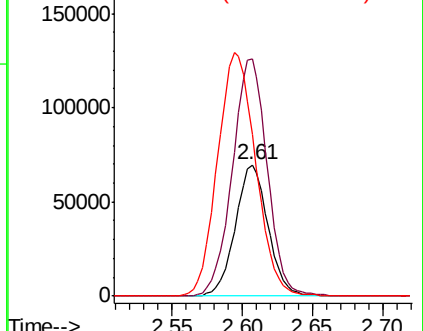
63 123.7 93.7 174.1

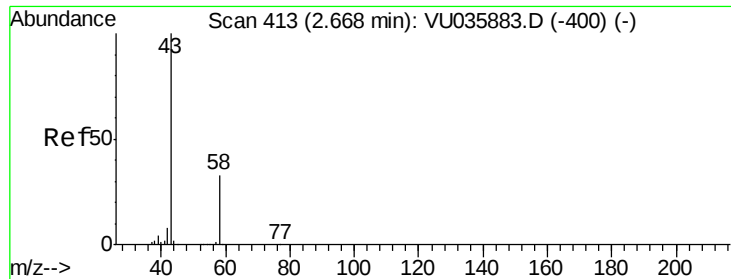


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.363 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.00 min

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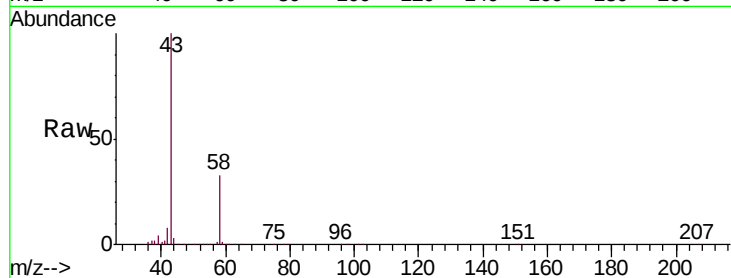
VSTD00515

Tgt Ion: 43 Resp: 318625

Ion Ratio Lower Upper

43 100

58 33.9 0.0 61.2



Abundance Ion 43.05 (42.75 to 43.75): VU035883.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU035883.D (-400) (-)

2.66

200000

150000

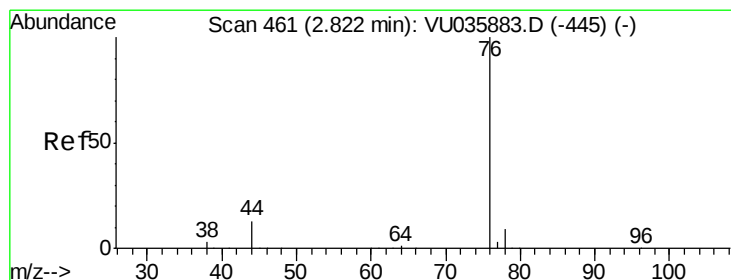
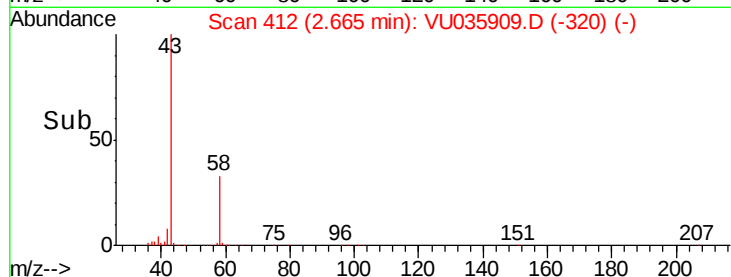
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 4.196 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU035909.D

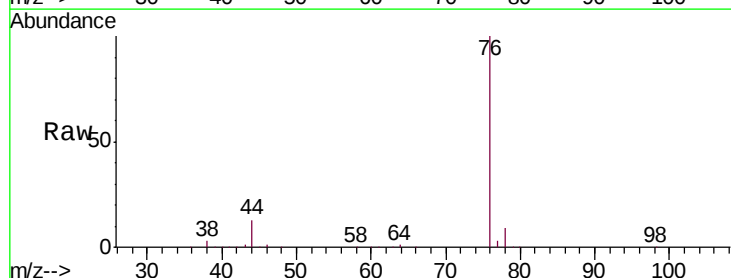
Acq: 29 Nov 2019 08:55

Tgt Ion: 76 Resp: 345545

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VU035883.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU035883.D (-445) (-)

2.82

200000

150000

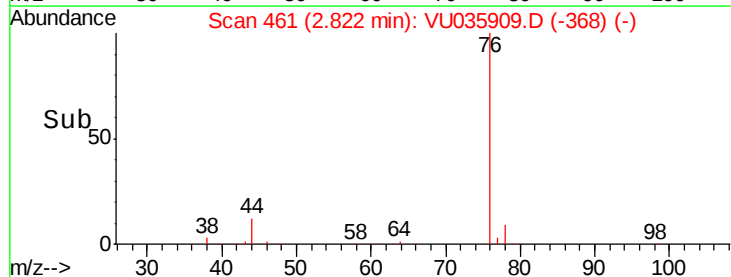
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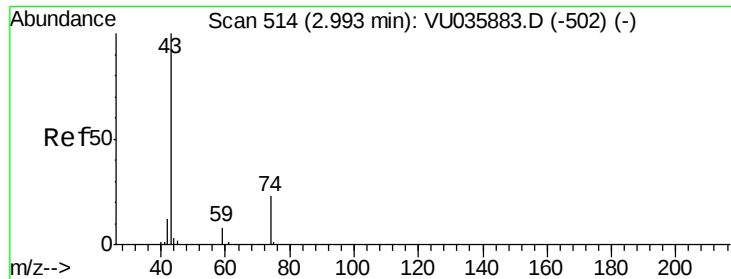
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0

2.75 2.80 2.85 2.90

Time-->

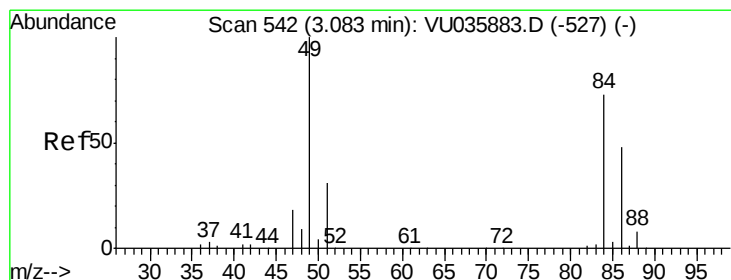
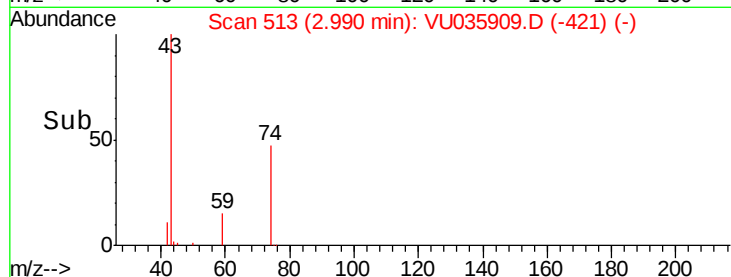
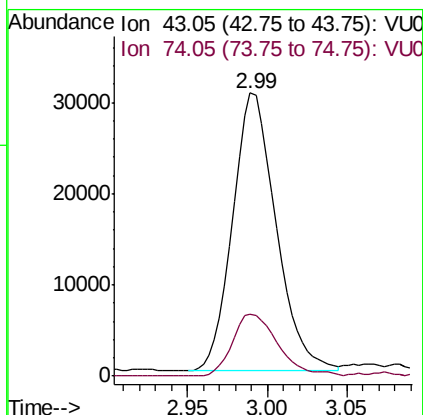
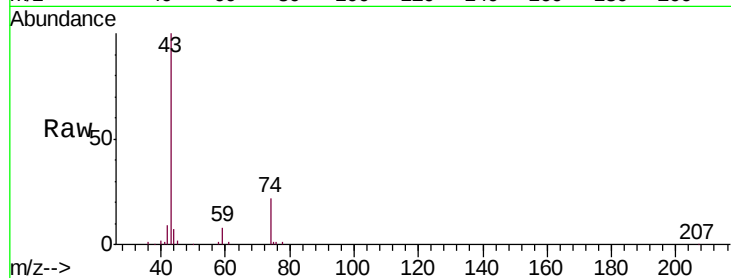




#15
Methyl Acetate
Concen: 4.448 ug/L
RT: 2.99 min Scan# 513
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

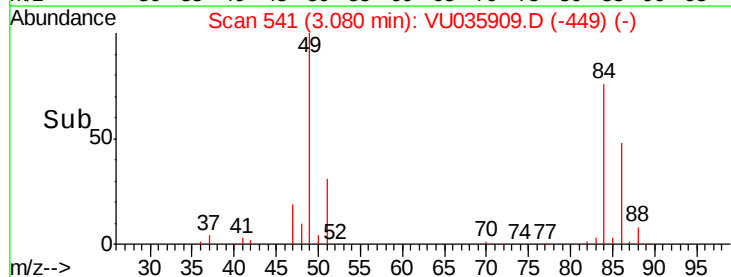
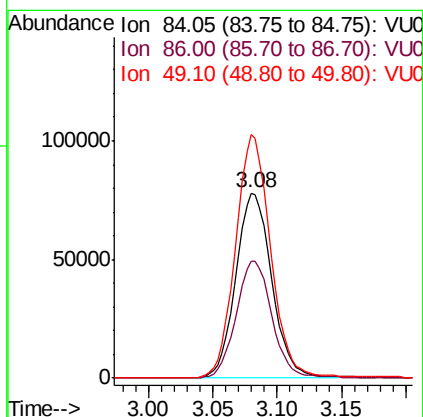
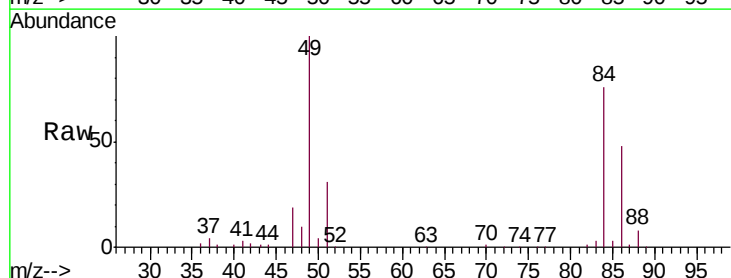
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

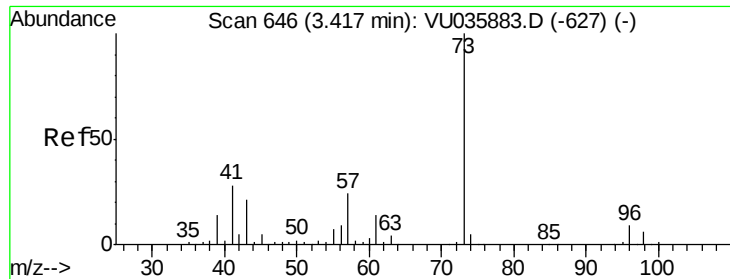
Tgt Ion: 43 Resp: 56418
Ion Ratio Lower Upper
43 100
74 23.7 18.2 27.4



#16
Methylene chloride
Concen: 5.054 ug/L
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Tgt Ion: 84 Resp: 151377
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.5
49 131.7 94.0 174.6

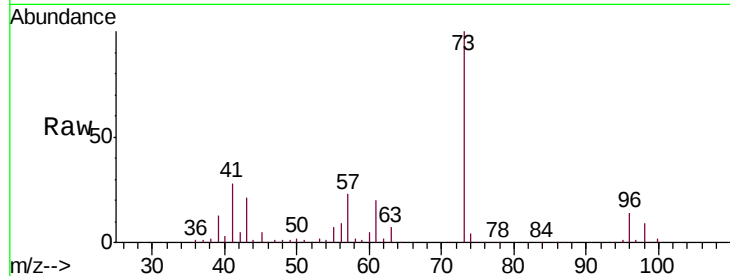




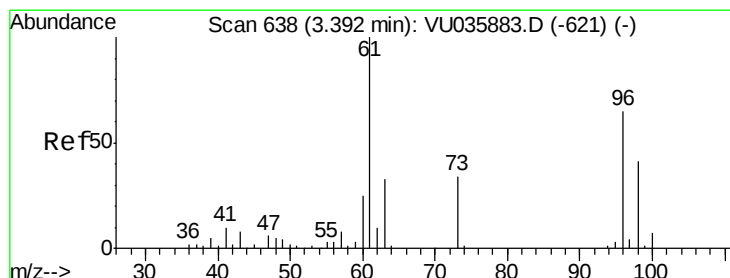
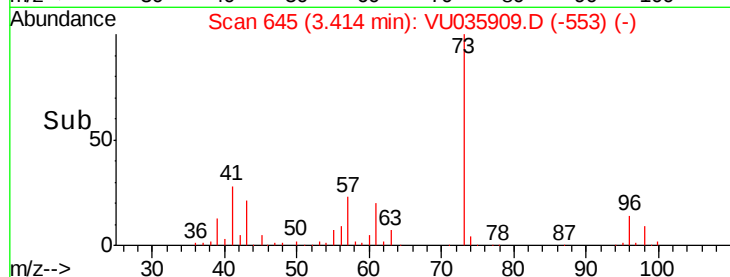
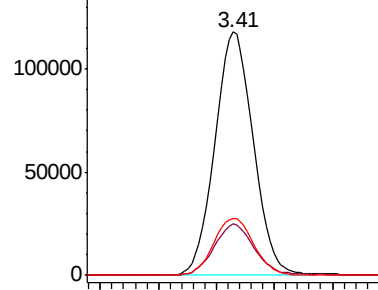
#17
Methyl tert-butyl Ether
Concen: 4.531 ug/L
RT: 3.41 min Scan# 645
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tgt Ion: 73 Resp: 271821
Ion Ratio Lower Upper
73 100
43 21.7 17.4 26.2
57 24.5 19.4 29.0

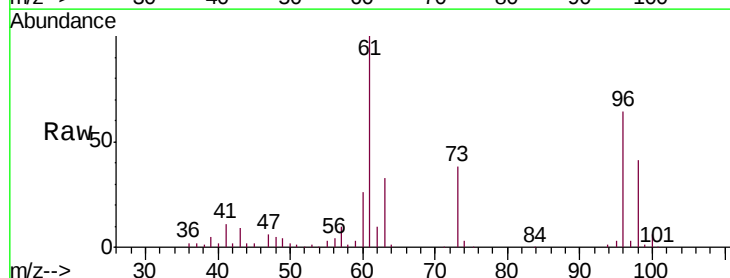


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

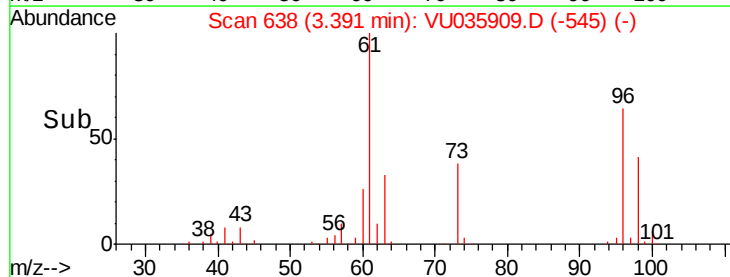
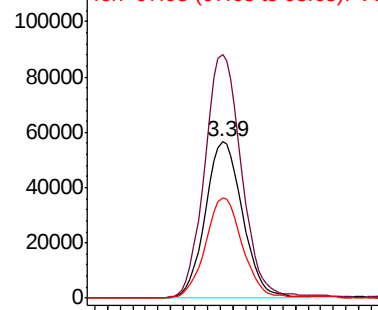


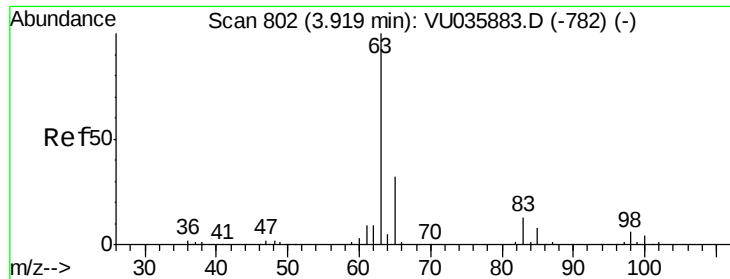
#18
trans-1,2-Dichloroethene
Concen: 4.792 ug/L
RT: 3.39 min Scan# 638
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Tgt Ion: 96 Resp: 116976
Ion Ratio Lower Upper
96 100
61 155.6 111.1 206.3
98 64.3 43.1 80.1



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

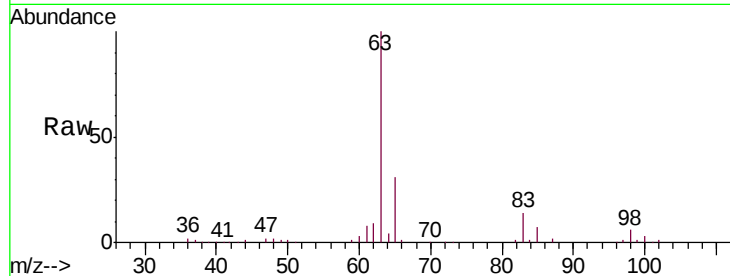




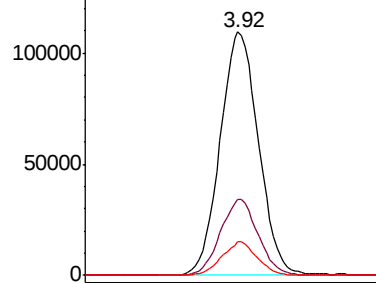
#19
 1,1-Dichloroethane
 Concen: 4.801 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTD00515

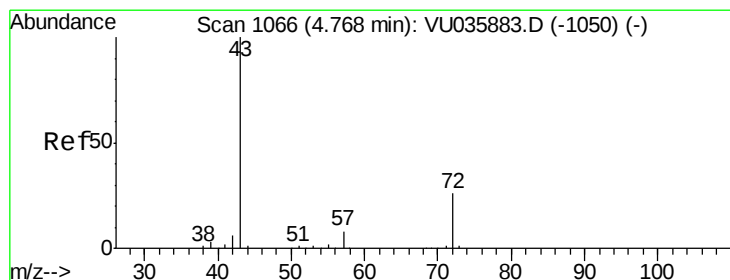
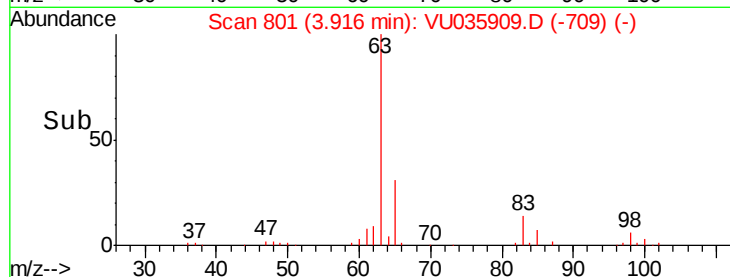
Tgt Ion: 63 Resp: 263349
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.4
 83 13.6 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

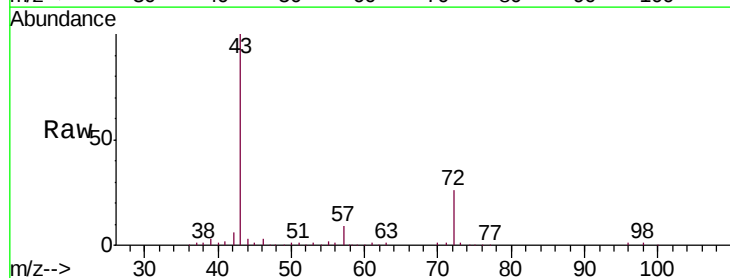


Time-->

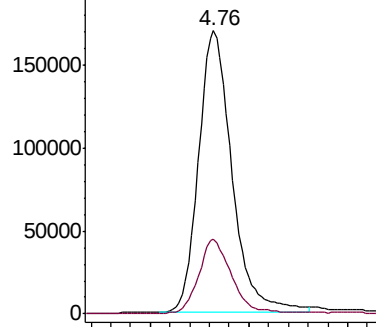


#21
 2-Butanone
 Concen: 50.580 ug/L
 RT: 4.76 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

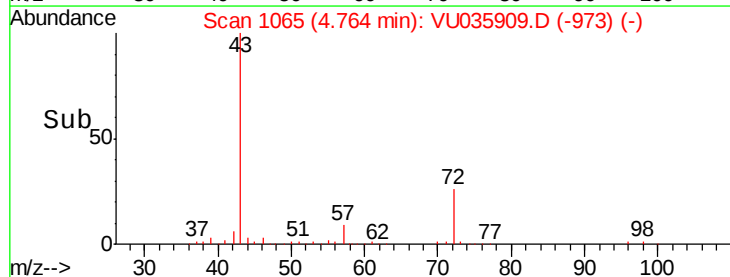
Tgt Ion: 43 Resp: 404922
 Ion Ratio Lower Upper
 43 100
 72 26.5 12.4 37.4

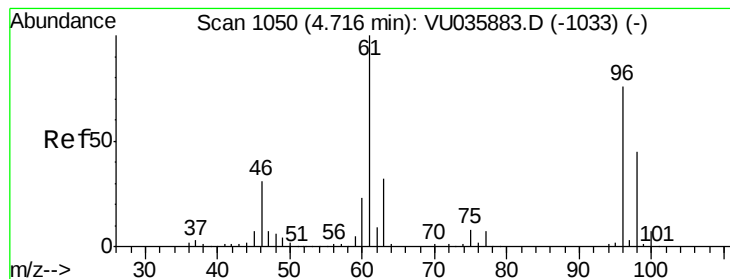


Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



Time-->





#22

cis-1,2-Dichloroethene

Concen: 4.689 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampled :

VSTD00515

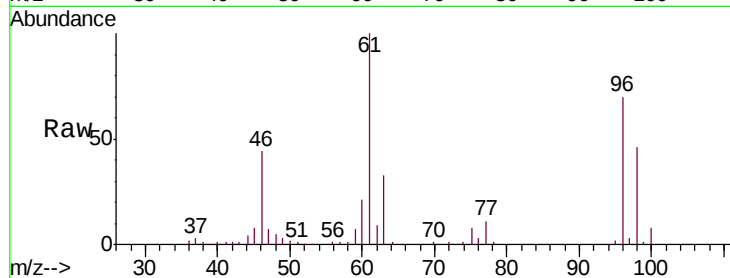
Tgt Ion: 96 Resp: 127555

Ion Ratio Lower Upper

96 100

61 142.1 98.1 182.1

68 0.0 0.0 0.0

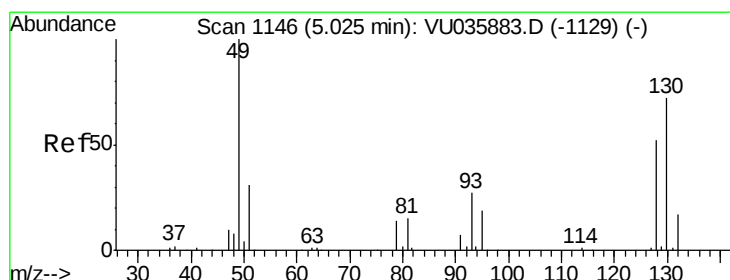
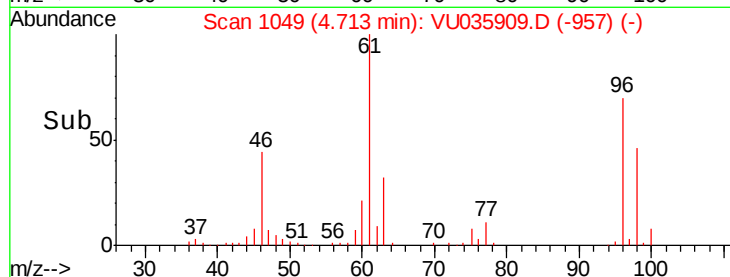
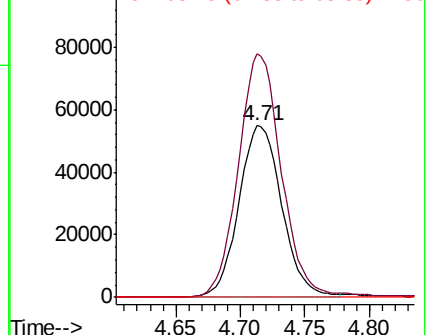


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.195 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Tgt Ion: 128 Resp: 61575

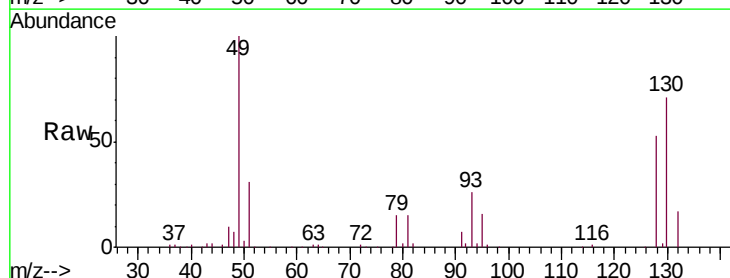
Ion Ratio Lower Upper

128 100

49 187.0 133.8 248.6

130 132.4 91.1 169.1

51 58.6 46.5 69.7



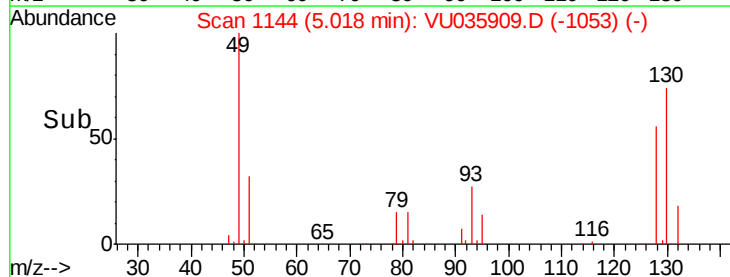
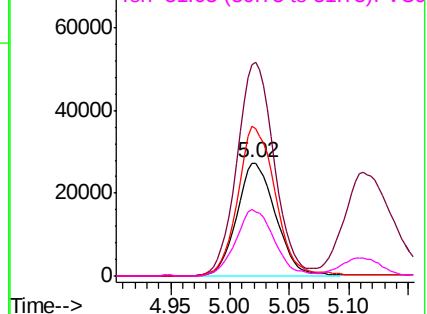
Abundance

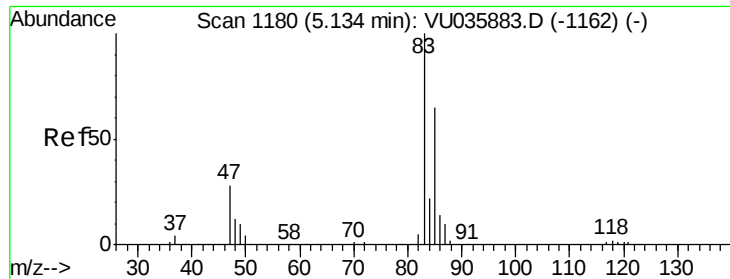
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

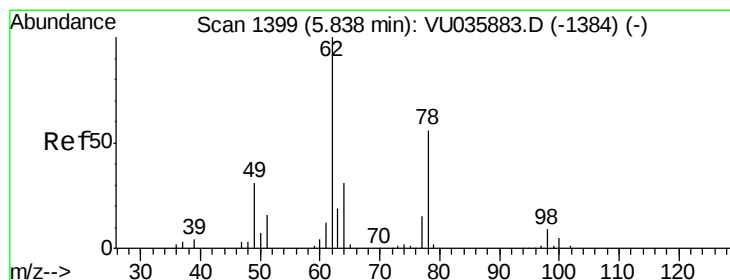
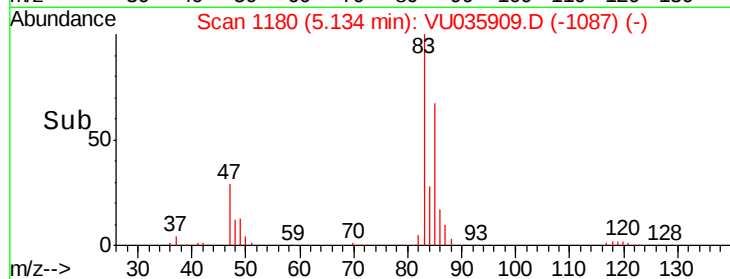
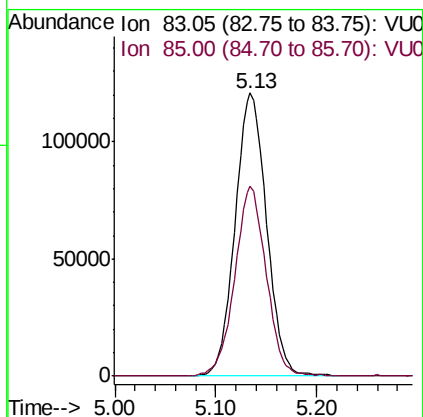
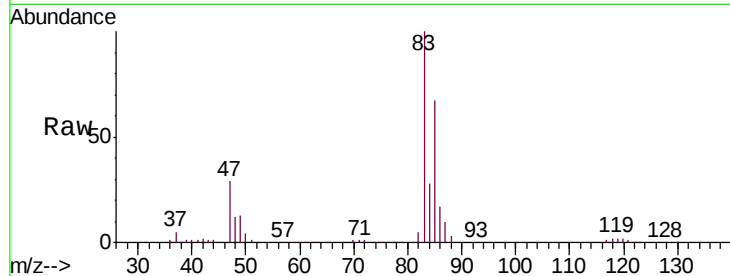




#25
Chloroform
Concen: 4.898 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

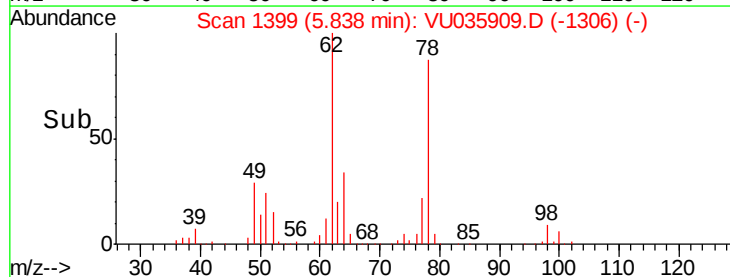
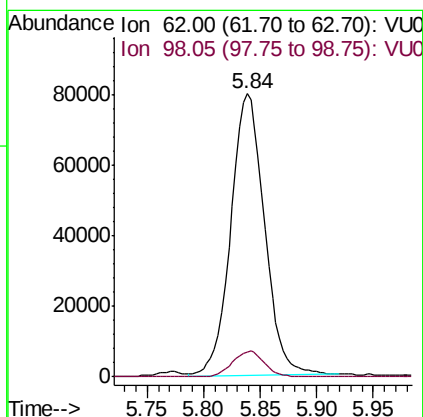
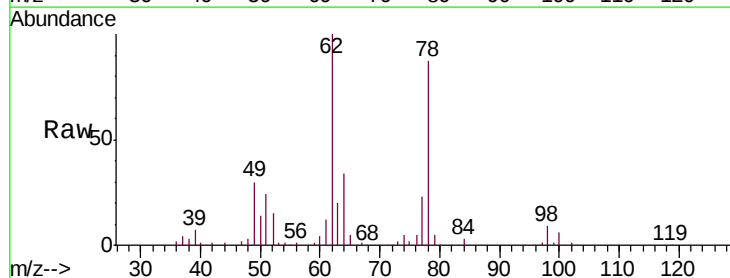
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

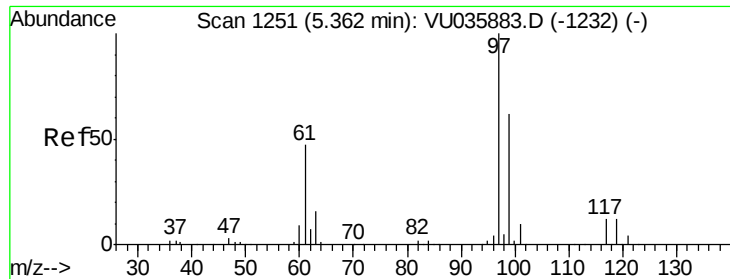
Tgt Ion: 83 Resp: 261433
Ion Ratio Lower Upper
83 100
85 67.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.722 ug/L
RT: 5.84 min Scan# 1399
Delta R.T. 0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Tgt Ion: 62 Resp: 165776
Ion Ratio Lower Upper
62 100
98 8.7 6.2 9.4

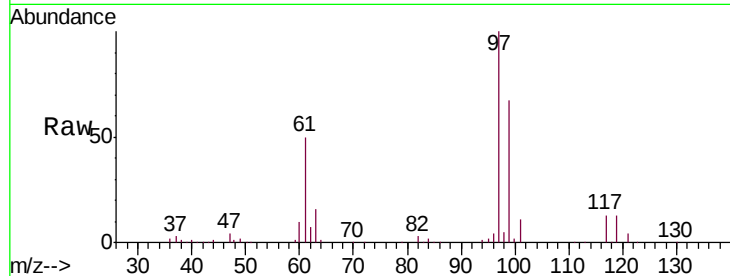




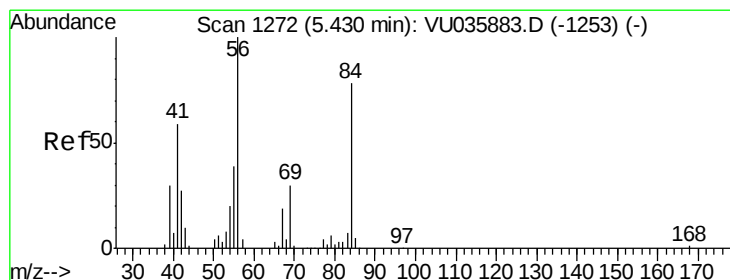
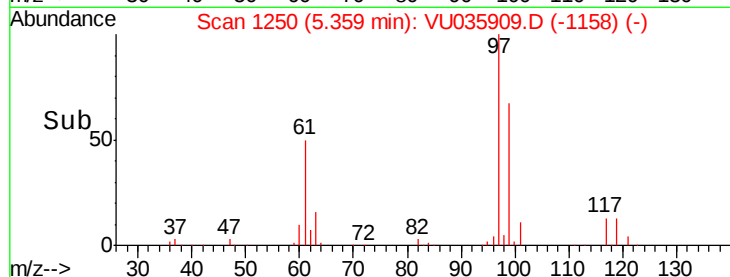
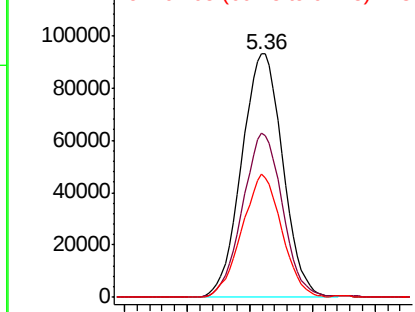
#29
 1,1,1-Trichloroethane
 Concen: 4.996 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion: 97 Resp: 212461
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.9 77.9
 61 49.1 40.3 60.5

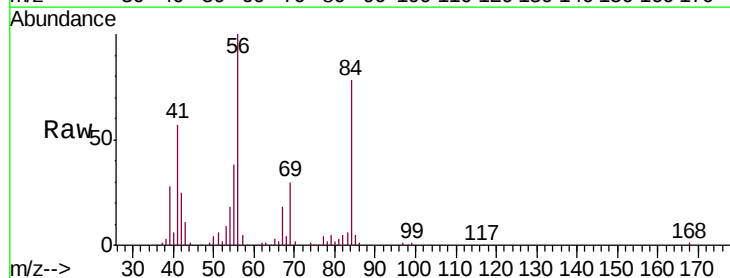


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

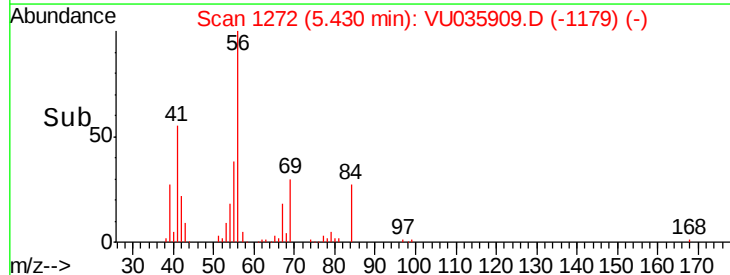
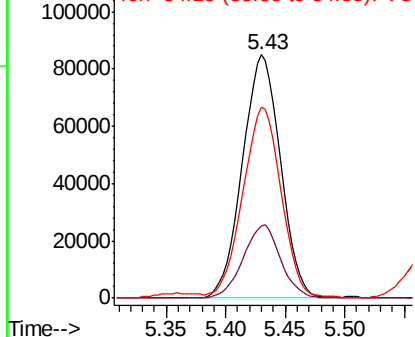


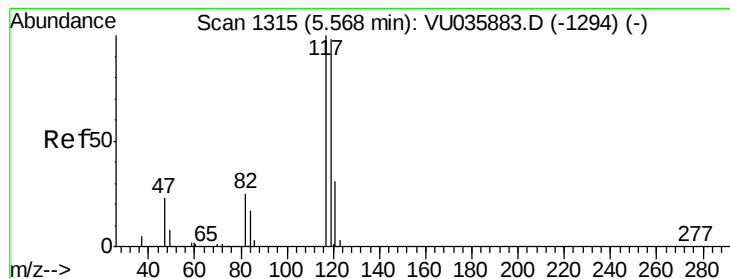
#30
 Cyclohexane
 Concen: 4.542 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Tgt Ion: 56 Resp: 188767
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.0 36.0
 84 79.2 62.1 93.1



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.062 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

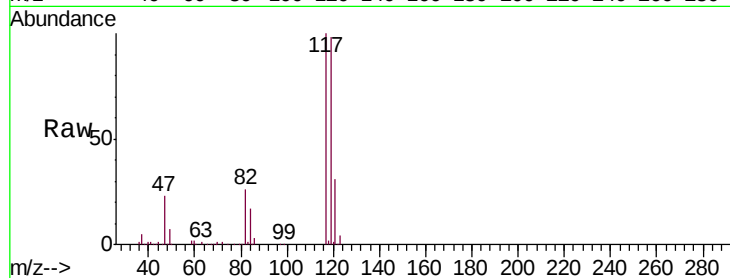
VSTD00515

Tgt Ion:117 Resp: 186424

Ion Ratio Lower Upper

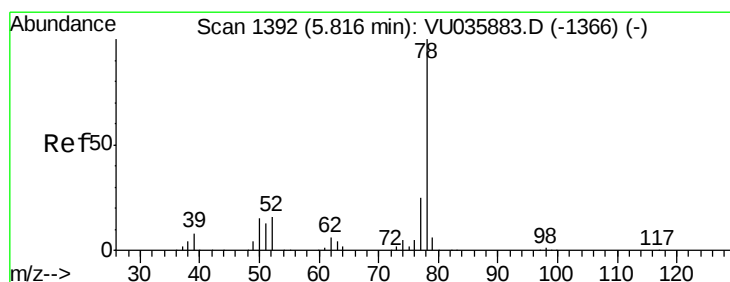
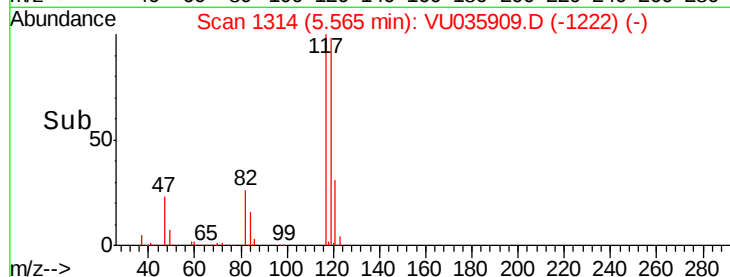
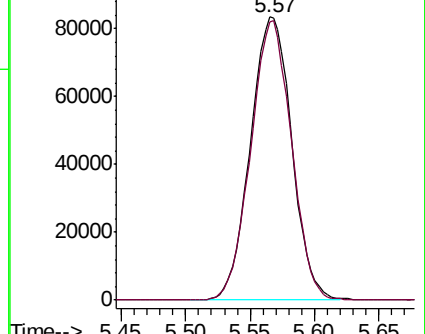
117 100

119 97.2 76.0 114.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.037 ug/L

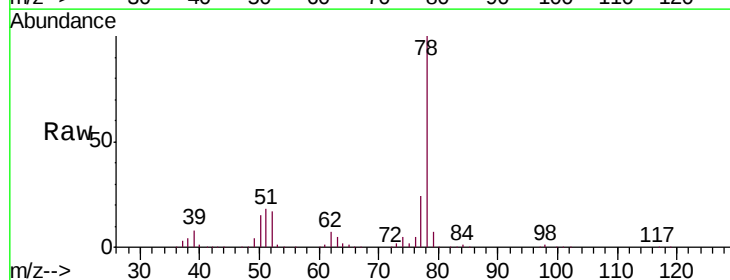
RT: 5.82 min Scan# 1392

Delta R.T. -0.00 min

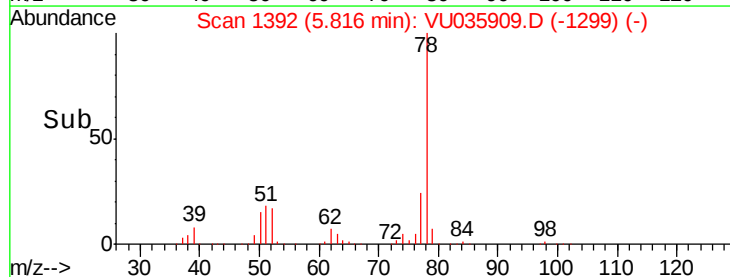
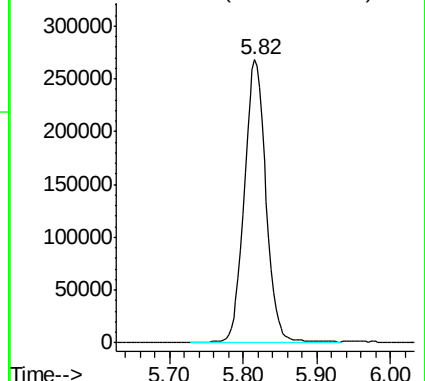
Lab File: VU035909.D

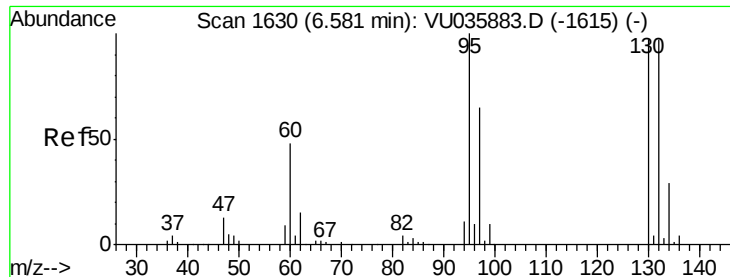
Acq: 29 Nov 2019 08:55

Tgt Ion: 78 Resp: 553723



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.053 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tgt Ion: 95 Resp: 136211

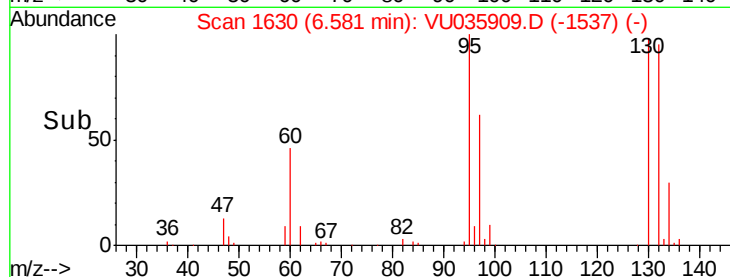
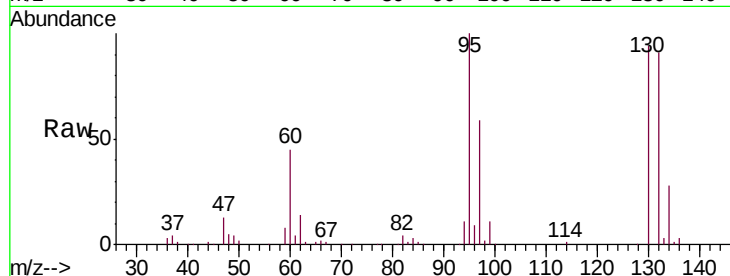
Ion Ratio Lower Upper

95 100

97 59.2 45.1 83.9

132 91.1 61.9 114.9

130 93.9 66.3 123.1



Abundance Ion 95.00 (94.70 to 95.70): VU035883.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU035883.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU035883.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU035883.D (-1615) (-)

Time-->

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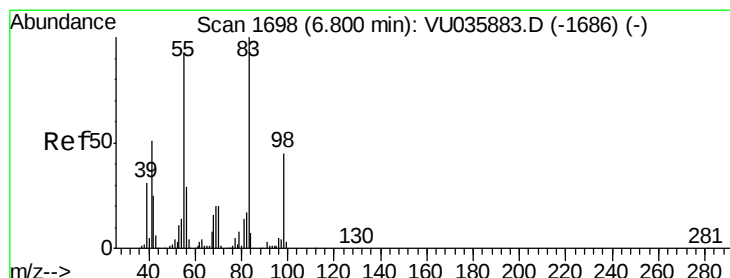
6.58

6.58

6.58

6.58

6.58



#35

Methylcyclohexane

Concen: 4.419 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

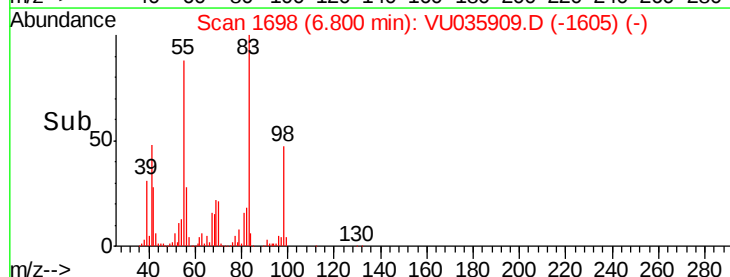
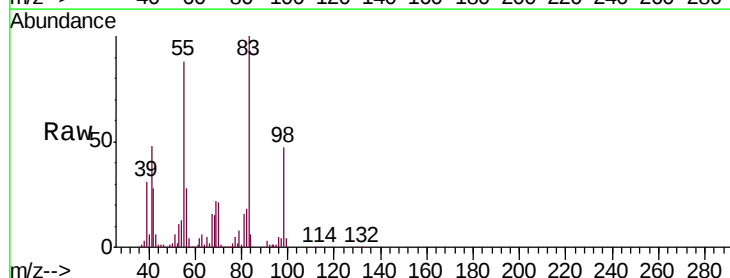
Tgt Ion: 83 Resp: 174790

Ion Ratio Lower Upper

83 100

55 90.8 72.7 109.1

98 45.9 36.2 54.4



Abundance Ion 83.15 (82.85 to 83.85): VU035883.D (-1686) (-)

Ion 55.10 (54.80 to 55.80): VU035883.D (-1686) (-)

Ion 98.15 (97.85 to 98.85): VU035883.D (-1686) (-)

Time-->

6.80

6.80

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6.80

6.80

6.80

6.80

6.80

6.80

6.80

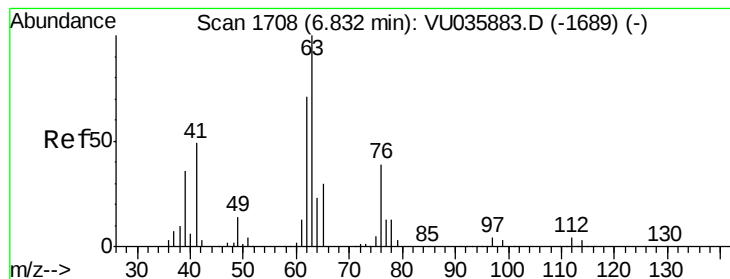
6.80

6.80

6.80

6.80

6.80



#37

1,2-Dichloropropane

Concen: 4.974 ug/L

RT: 6.83 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

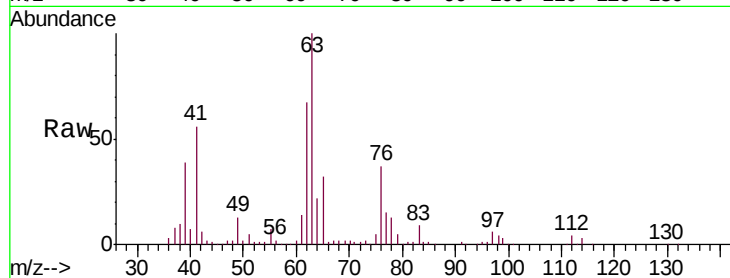
VSTD00515

Tgt Ion: 63 Resp: 155098

Ion Ratio Lower Upper

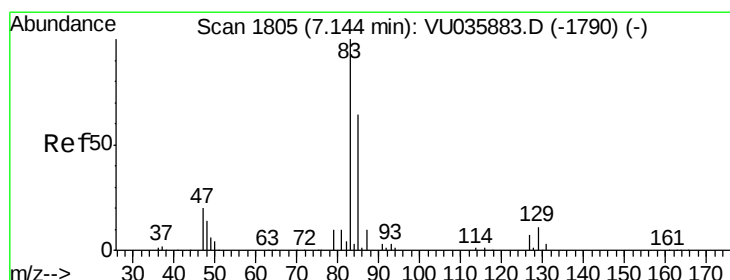
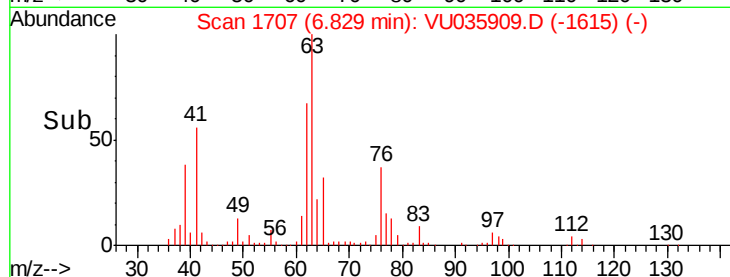
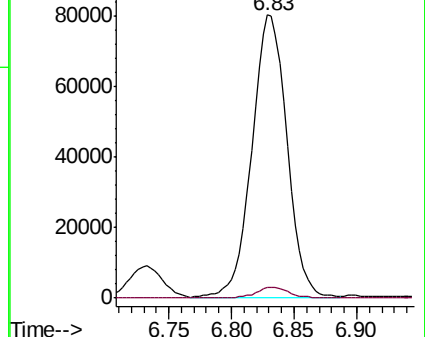
63 100

112 3.7 2.7 4.1



Abundance Ion 63.10 (62.80 to 63.80): VU035883.D (-1689) (-)

Ion 112.10 (111.80 to 112.80): VU035883.D (-1689) (-)



#38

Bromodichloromethane

Concen: 4.881 ug/L

RT: 7.14 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

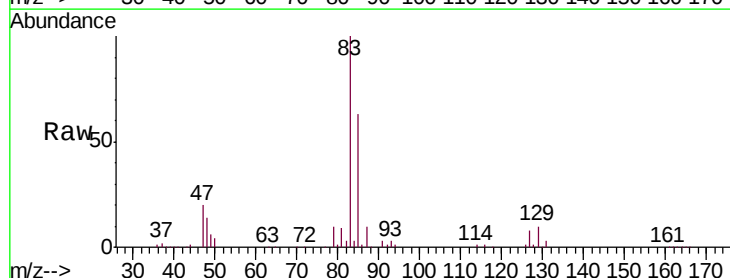
Tgt Ion: 83 Resp: 182410

Ion Ratio Lower Upper

83 100

85 63.3 45.6 84.8

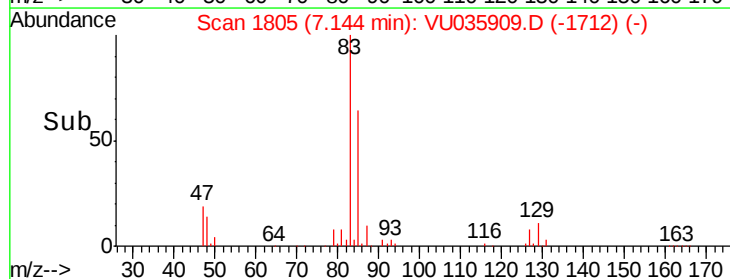
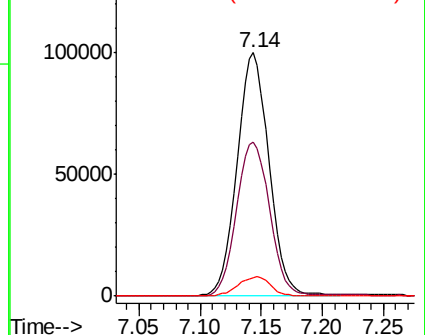
127 7.6 6.0 9.0

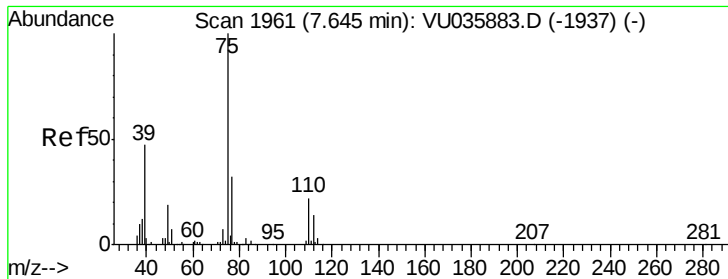


Abundance Ion 82.95 (82.65 to 83.65): VU035883.D (-1790) (-)

Ion 85.00 (84.70 to 85.70): VU035883.D (-1790) (-)

Ion 126.90 (126.60 to 127.60): VU035883.D (-1790) (-)

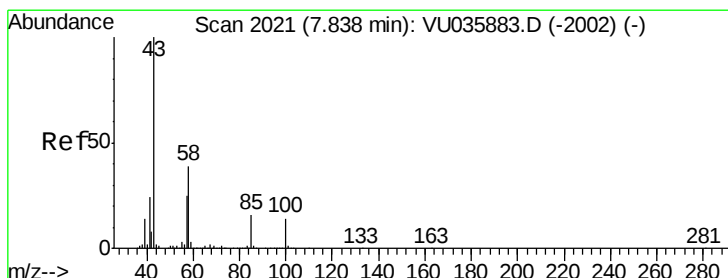
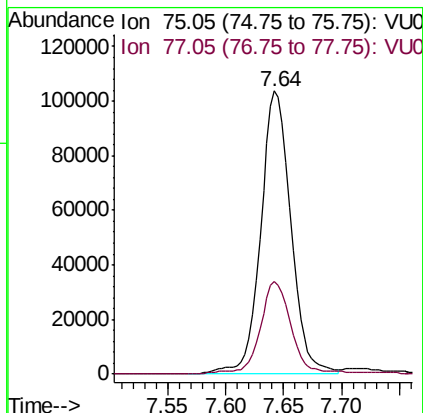
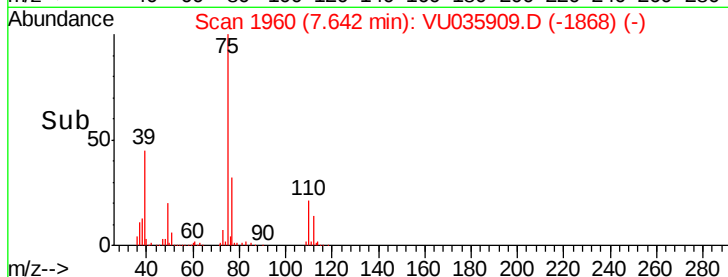
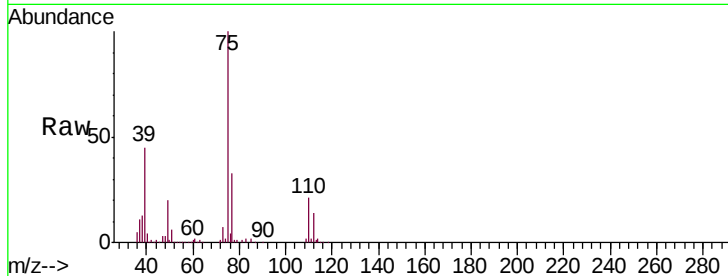




#39
 cis-1,3-Dichloropropene
 Concen: 4.672 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

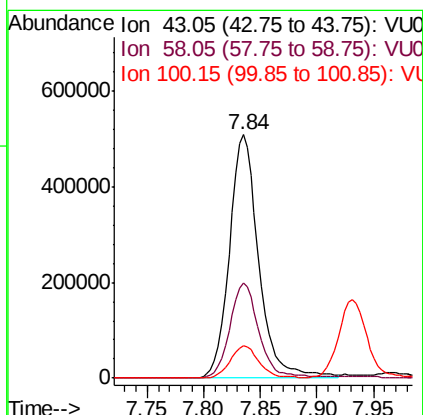
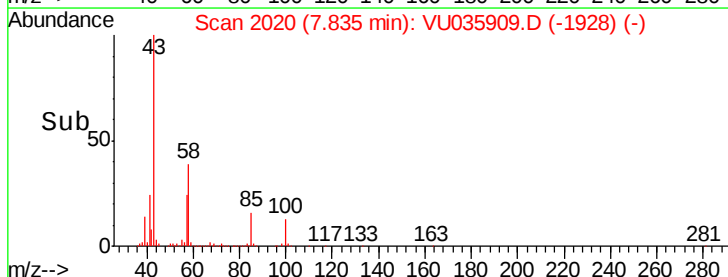
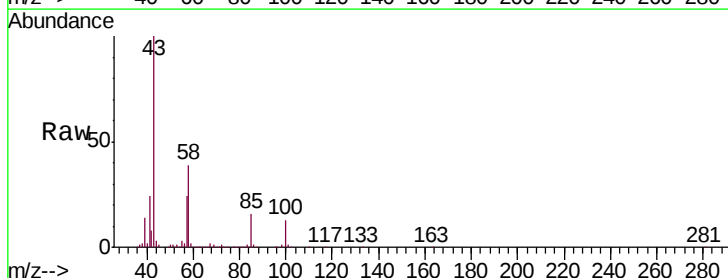
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

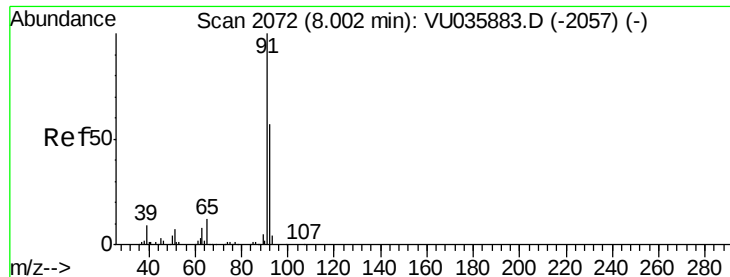
Tgt Ion: 75 Resp: 188568
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 47.853 ug/L
 RT: 7.84 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Tgt Ion: 43 Resp: 916056
 Ion Ratio Lower Upper
 43 100
 58 38.8 30.8 46.2
 100 13.2 10.0 15.0





#42

Toluene

Concen: 5.077 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

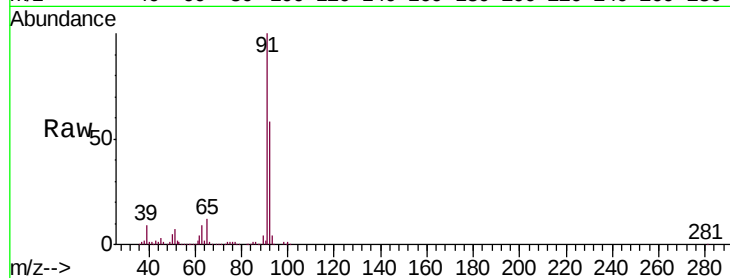
VSTD00515

Tgt Ion: 91 Resp: 580612

Ion Ratio Lower Upper

91 100

92 57.8 40.4 75.0



Abundance Ion 91.15 (90.85 to 91.85): VU035883.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU035883.D (-2057) (-)

8.00

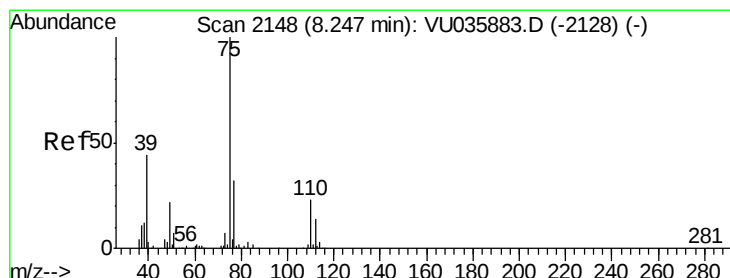
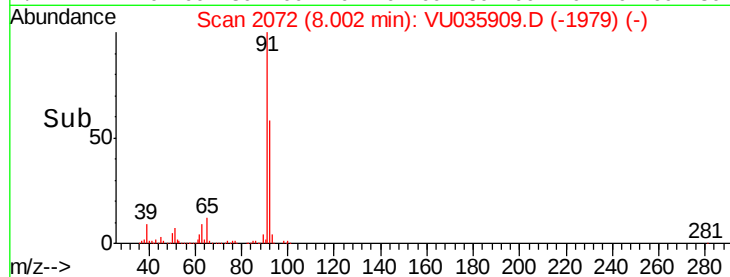
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.902 ug/L

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU035909.D

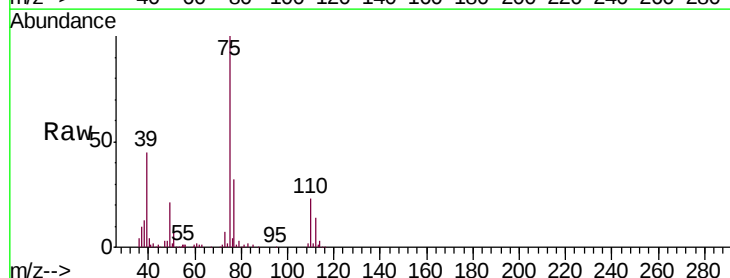
Acq: 29 Nov 2019 08:55

Tgt Ion: 75 Resp: 164068

Ion Ratio Lower Upper

75 100

77 32.1 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VU035883.D (-2128) (-)

Ion 77.05 (76.75 to 77.75): VU035883.D (-2128) (-)

8.24

100000

80000

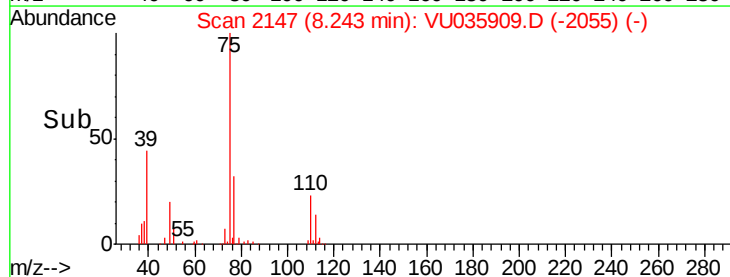
60000

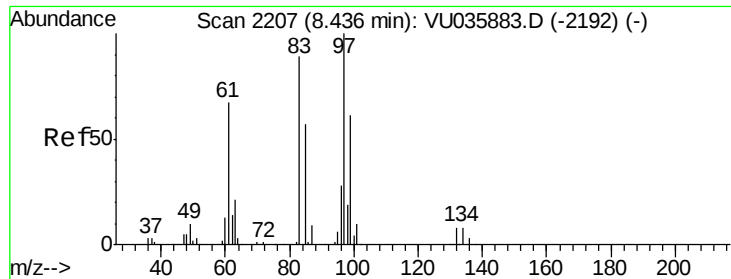
40000

20000

0

Time-->

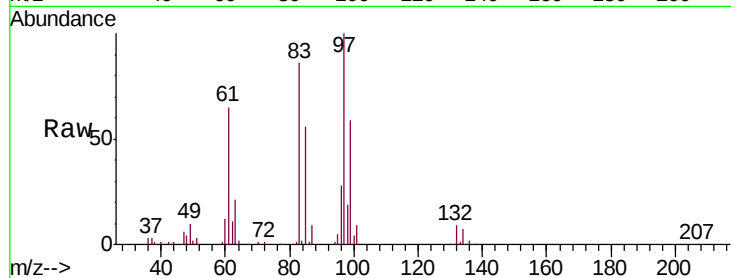




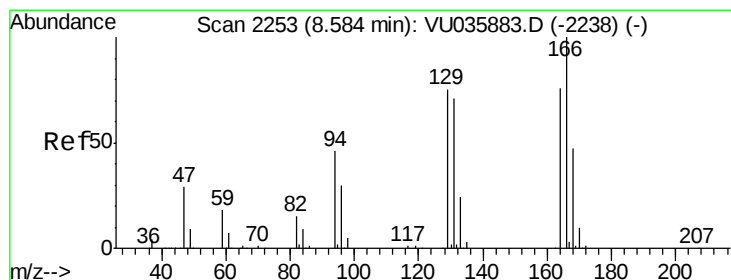
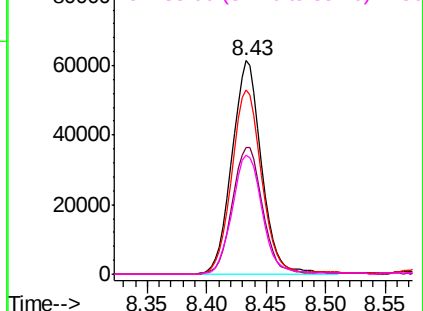
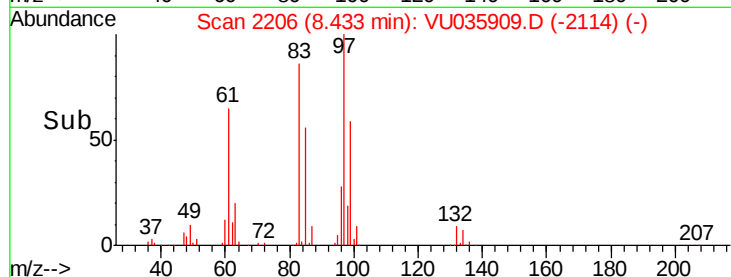
#45
 1,1,2-Trichloroethane
 Concen: 5.231 ug/L
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion:	97	Resp:	106291
Ion	Ratio	Lower	Upper
97	100		
99	59.3	44.2	82.0
83	86.5	62.2	115.6
85	55.5	41.5	77.1

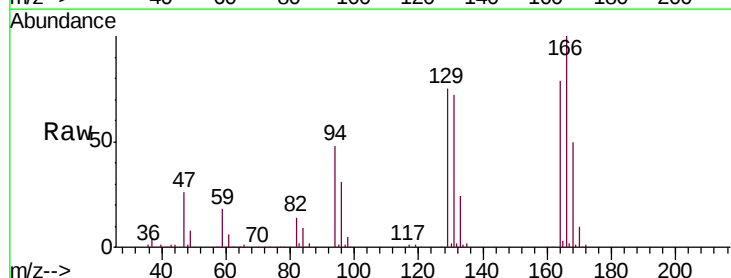


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

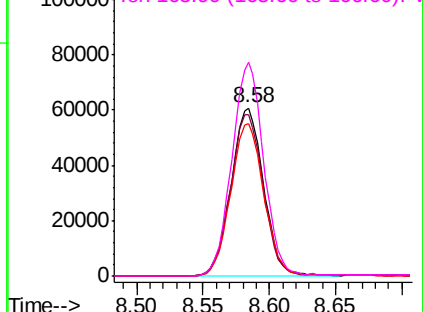
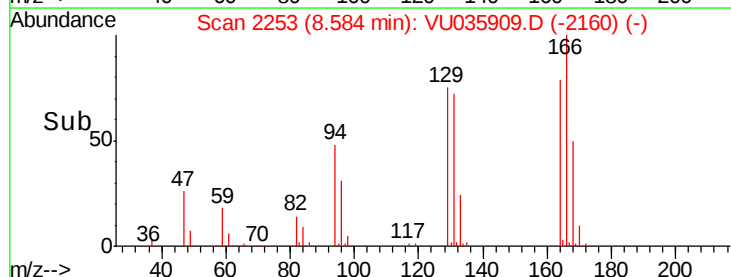


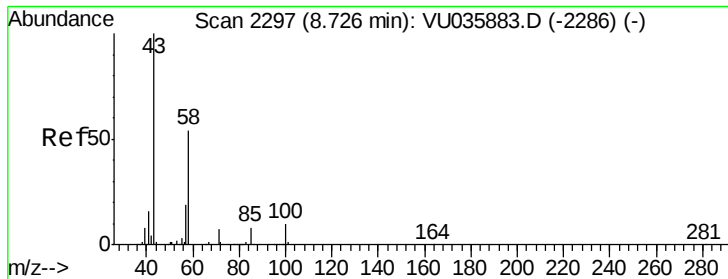
#47
 Tetrachloroethene
 Concen: 5.050 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Tgt Ion:	164	Resp:	103592
Ion	Ratio	Lower	Upper
164	100		
129	96.0	68.8	127.8
131	91.1	67.3	124.9
166	127.4	91.6	170.2



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

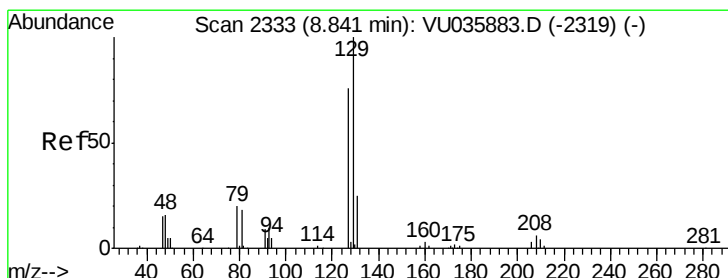
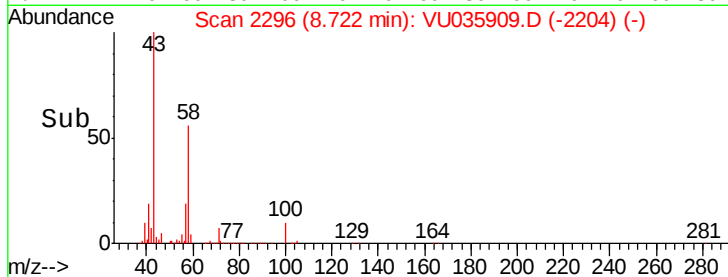
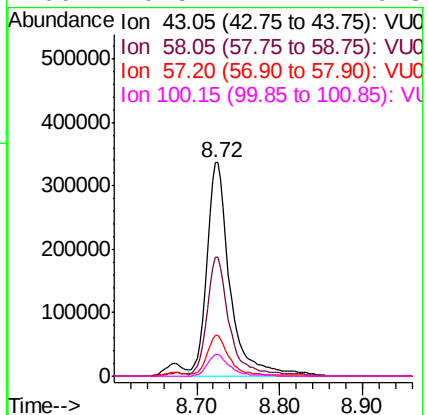
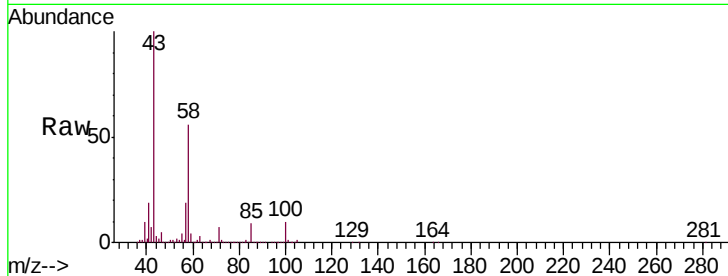




#48
2-Hexanone
Concen: 46.932 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

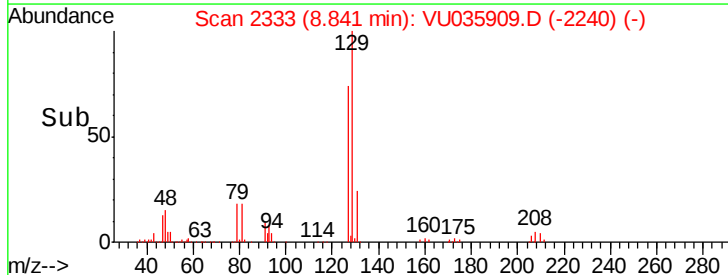
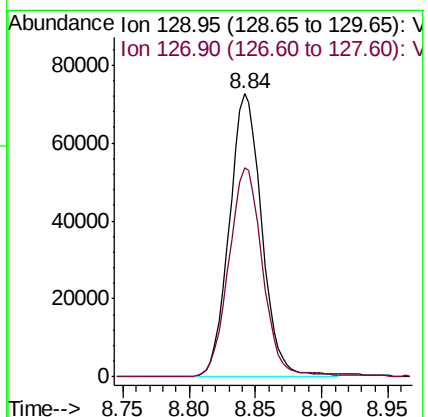
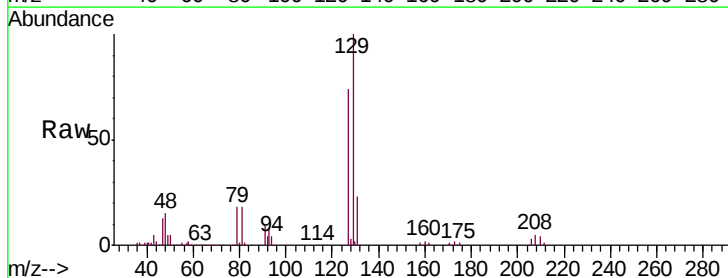
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

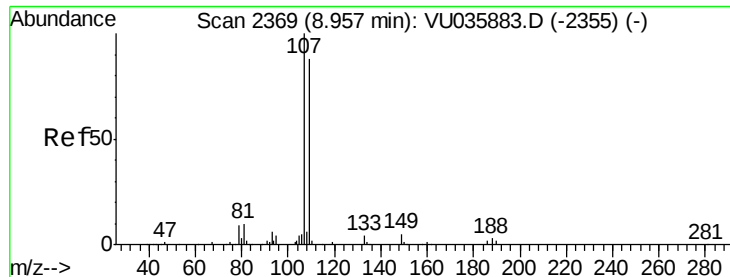
Tgt Ion:	43	Resp:	661442
Ion	Ratio	Lower	Upper
43	100		
58	55.2	39.8	59.8
57	17.9	14.0	21.0
100	9.5	7.2	10.8



#49
Dibromochloromethane
Concen: 5.165 ug/L
RT: 8.84 min Scan# 2333
Delta R.T. 0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Tgt Ion:	129	Resp:	123794
Ion	Ratio	Lower	Upper
129	100		
127	74.1	53.1	98.5

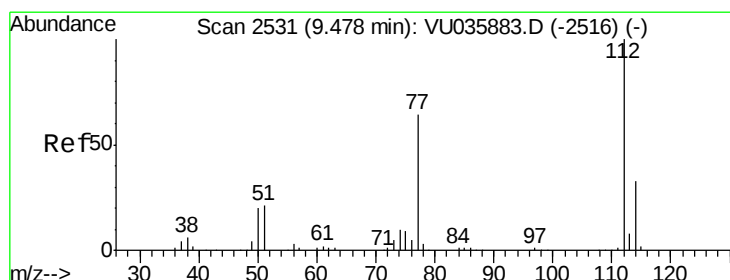
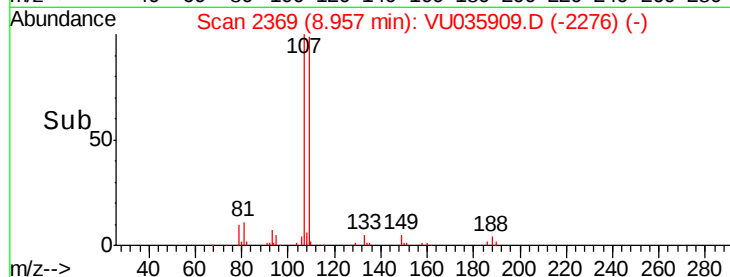
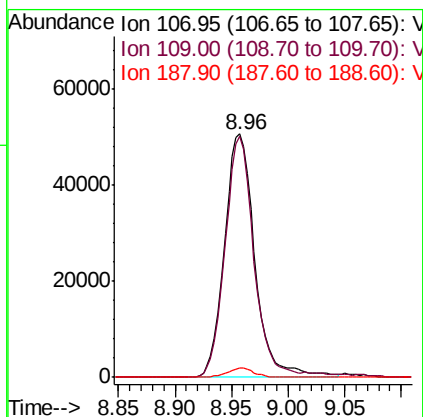
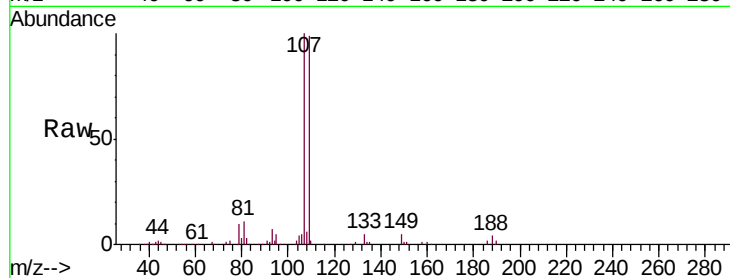




#50
1,2-Dibromoethane
Concen: 5.094 ug/L
RT: 8.96 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

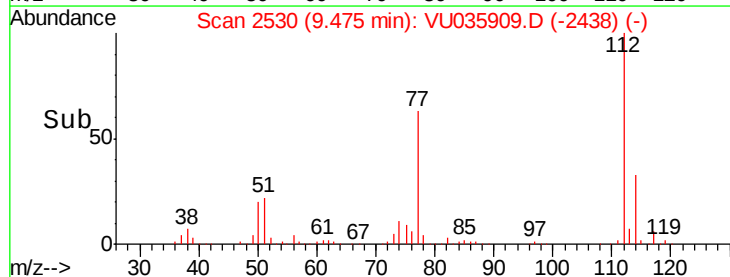
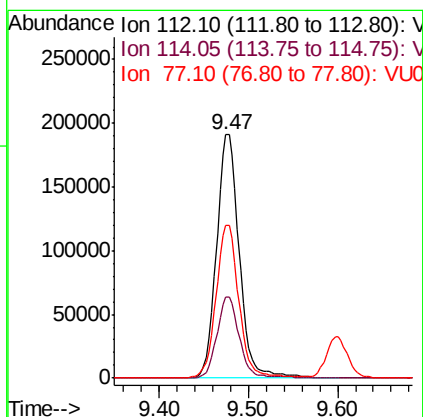
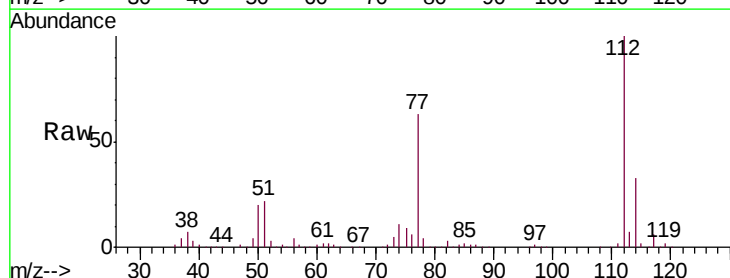
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

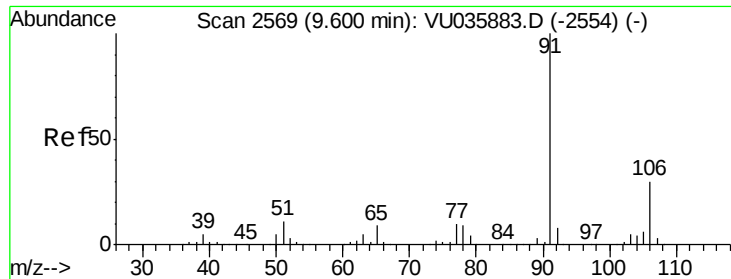
Tgt Ion:107 Resp: 94713
Ion Ratio Lower Upper
107 100
109 99.1 62.6 116.3
188 3.9 2.8 4.2



#51
Chlorobenzene
Concen: 4.756 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU035909.D
Acq: 29 Nov 2019 08:55

Tgt Ion:112 Resp: 336926
Ion Ratio Lower Upper
112 100
114 33.1 22.2 41.2
77 62.8 50.1 75.1





#52

Ethylbenzene

Concen: 4.612 ug/L

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

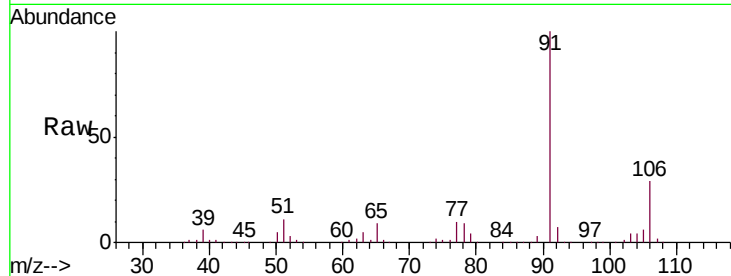
VSTD00515

Tgt Ion: 91 Resp: 545372

Ion Ratio Lower Upper

91 100

106 29.2 21.2 39.4



Abundance Ion 91.15 (90.85 to 91.85): VU035883.D (-2554) (-)

Ion 106.15 (105.85 to 106.85): VU035883.D (-2554) (-)

9.60

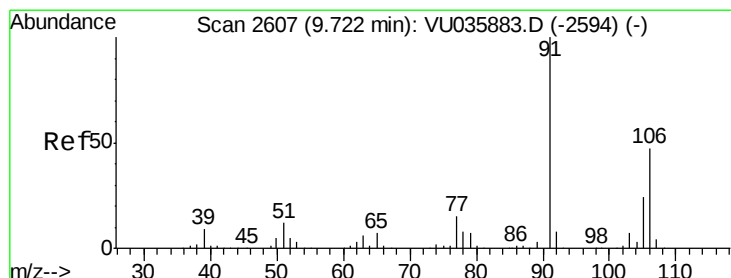
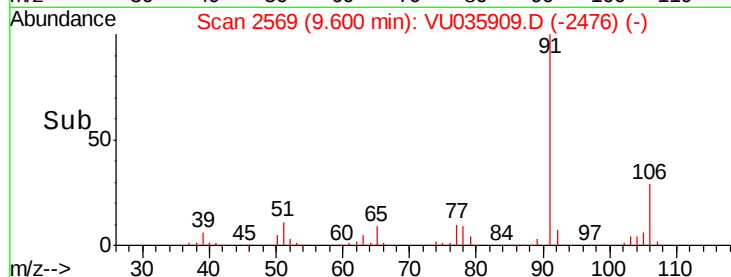
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 4.950 ug/L

RT: 9.72 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VU035909.D

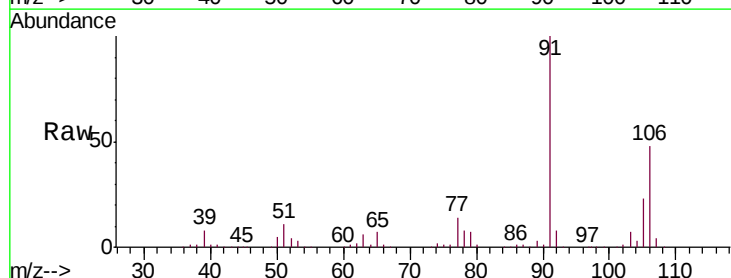
Acq: 29 Nov 2019 08:55

Tgt Ion: 106 Resp: 206383

Ion Ratio Lower Upper

106 100

91 209.3 149.9 278.5



Abundance Ion 106.15 (105.85 to 106.85): VU035883.D (-2594) (-)

Ion 91.15 (90.85 to 91.85): VU035883.D (-2594) (-)

9.72

300000

250000

200000

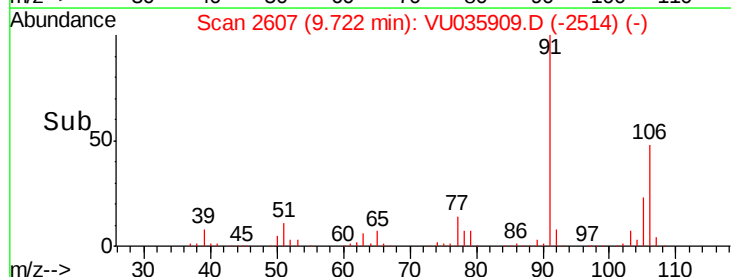
150000

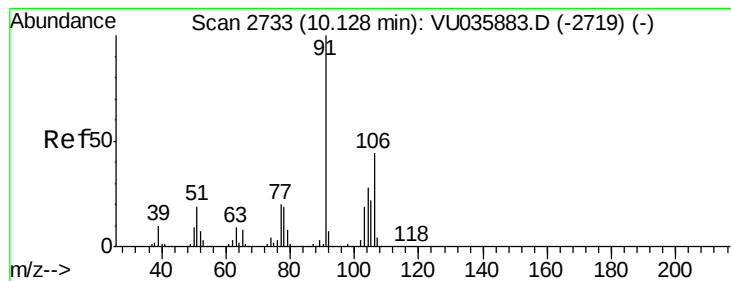
100000

50000

0

Time-->





#54

o-Xylene

Concen: 4.873 ug/L

RT: 10.13 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

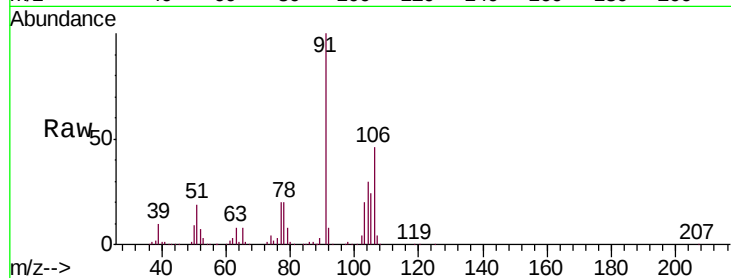
VSTD00515

Tgt Ion:106 Resp: 197329

Ion Ratio Lower Upper

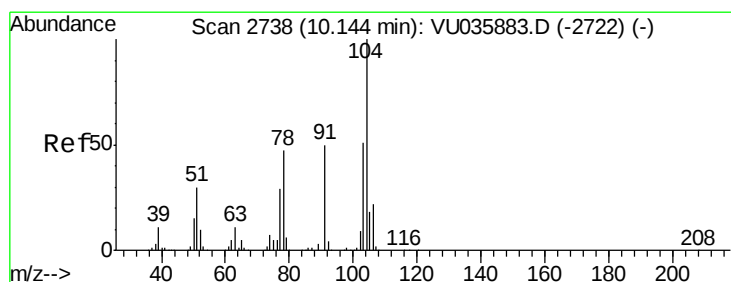
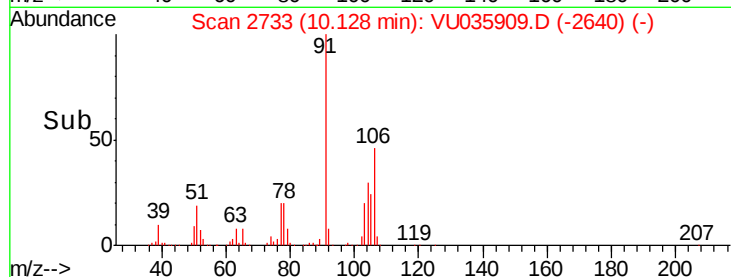
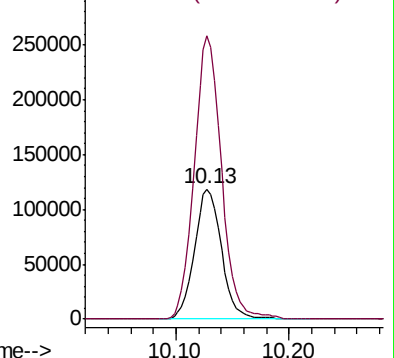
106 100

91 217.6 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU



#55

Styrene

Concen: 5.035 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU035909.D

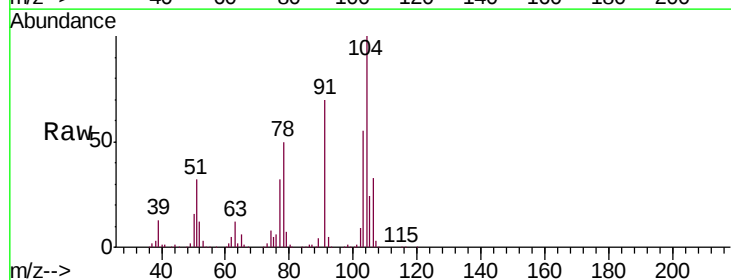
Acq: 29 Nov 2019 08:55

Tgt Ion:104 Resp: 338151

Ion Ratio Lower Upper

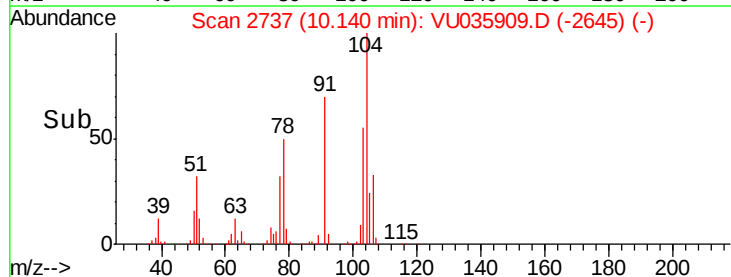
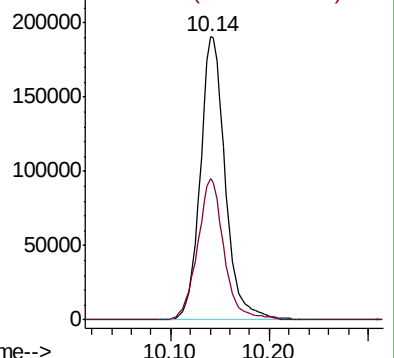
104 100

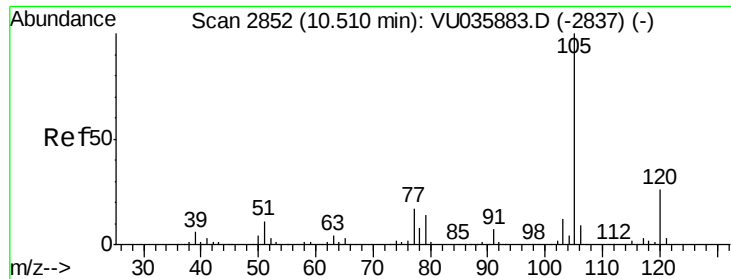
78 49.9 33.9 62.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU





#56

Isopropylbenzene

Concen: 4.851 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

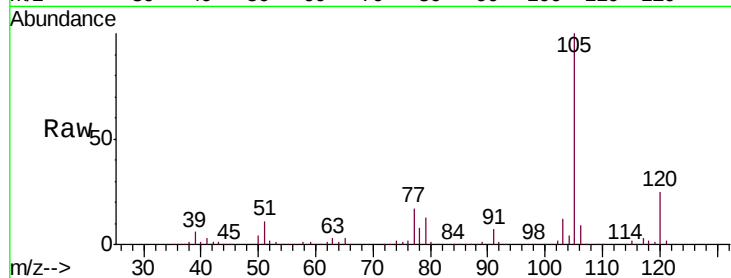
Tgt Ion:105 Resp: 518925

Ion Ratio Lower Upper

105 100

120 25.7 20.2 30.2

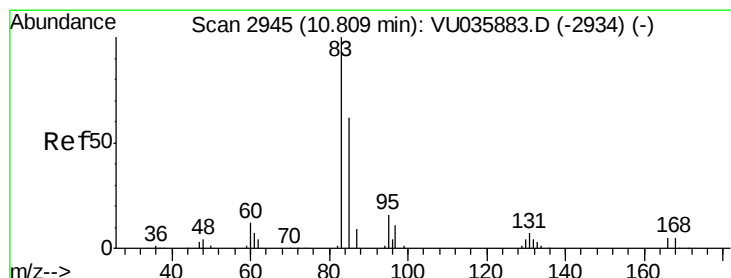
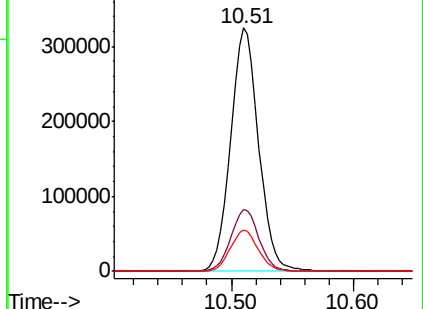
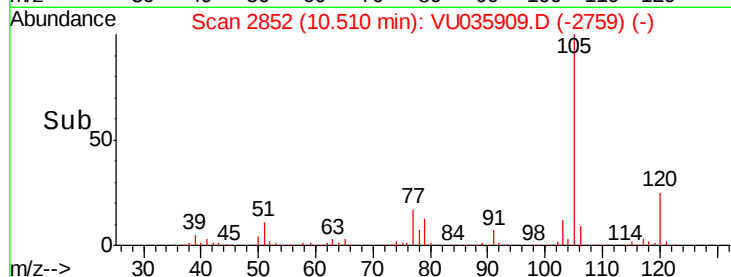
77 17.1 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.933 ug/L

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

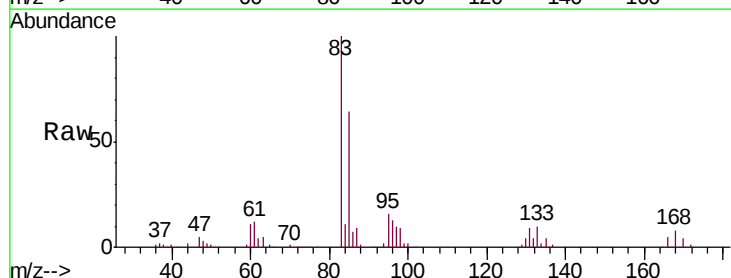
Tgt Ion: 83 Resp: 138706

Ion Ratio Lower Upper

83 100

85 64.1 44.6 82.8

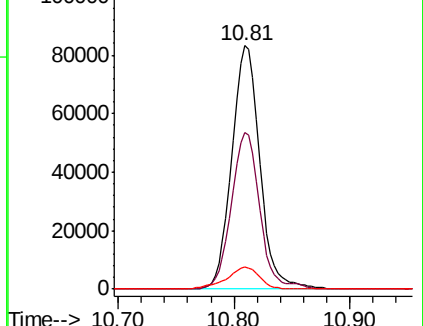
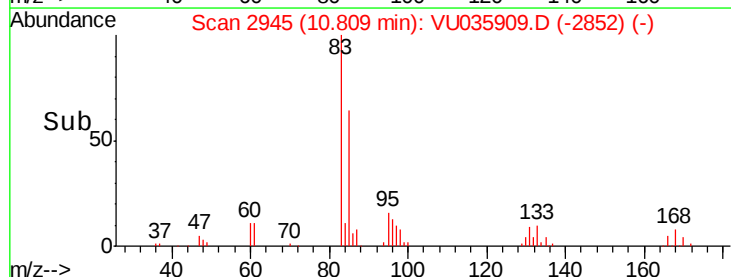
131 8.9 6.9 10.3

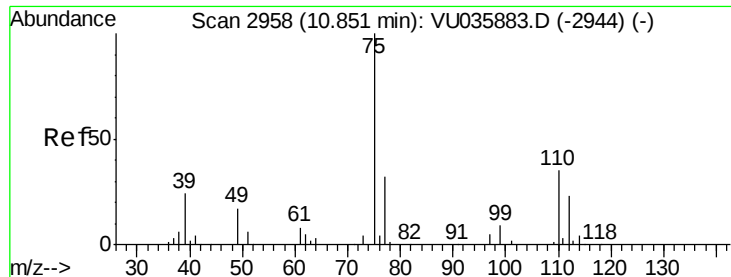


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.883 ug/L

RT: 10.85 min Scan# 2958

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

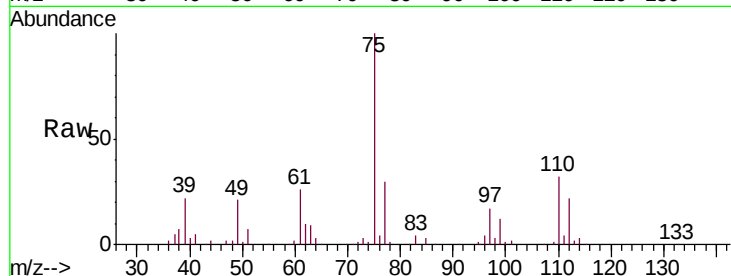
VSTD00515

Tgt Ion: 75 Resp: 98981

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU035883.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU035883.D (-2944) (-)

10.85

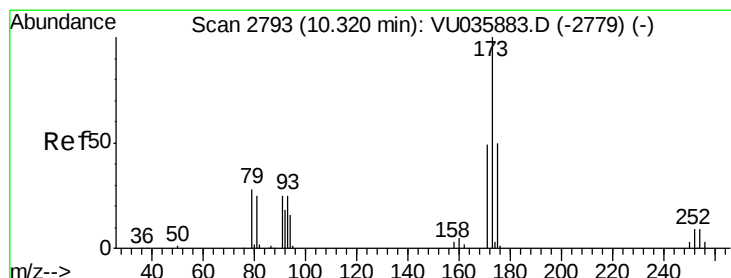
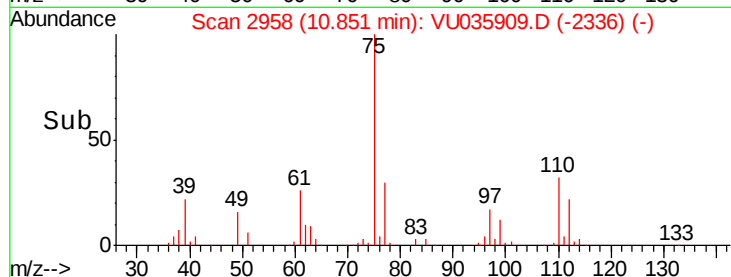
60000

40000

20000

0

Time--> 10.75 10.80 10.85 10.90



#61

Bromoform

Concen: 4.850 ug/L

RT: 10.32 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

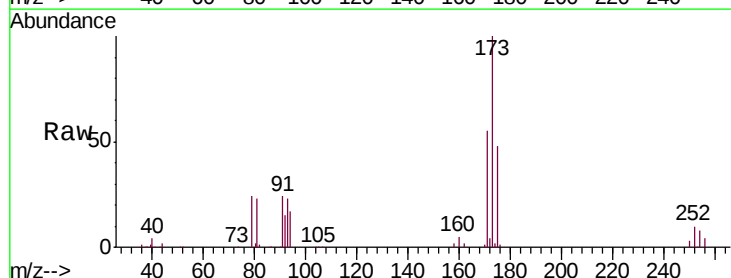
Tgt Ion: 173 Resp: 68814

Ion Ratio Lower Upper

173 100

175 47.6 40.1 60.1

254 8.5 7.1 10.7



Abundance Ion 172.90 (172.60 to 173.60): VU035883.D (-2779) (-)

Ion 174.90 (174.60 to 175.60): VU035883.D (-2779) (-)

Ion 253.75 (253.45 to 254.45): VU035883.D (-2779) (-)

10.32

50000

40000

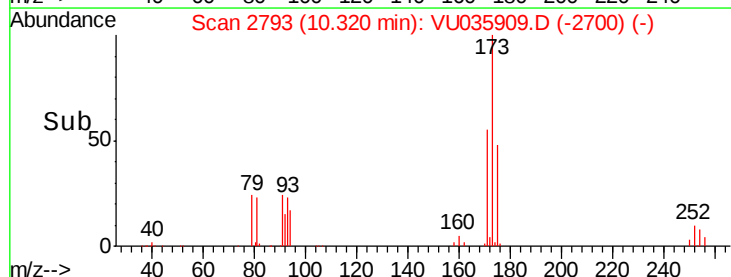
30000

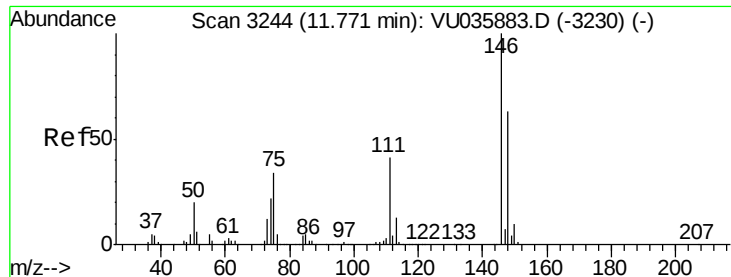
20000

10000

0

Time--> 10.30 10.32 10.34 10.36 10.38 10.40





#62

1,3-Dichlorobenzene

Concen: 4.925 ug/L

RT: 11.77 min Scan# 3244

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

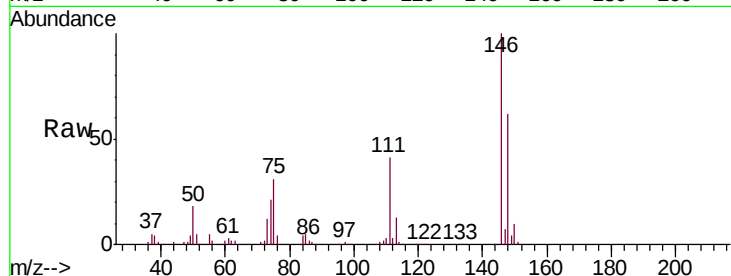
Tgt Ion:146 Resp: 249631

Ion Ratio Lower Upper

146 100

111 41.1 29.5 54.7

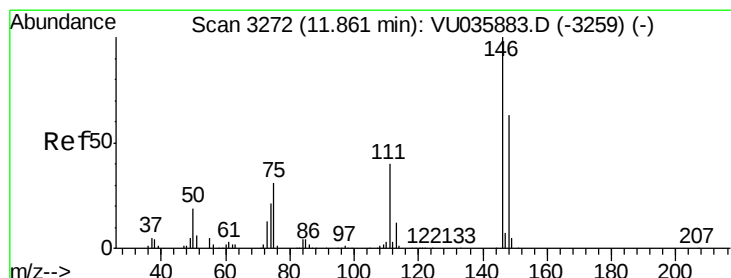
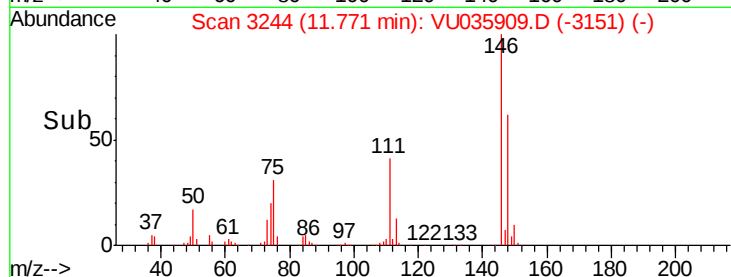
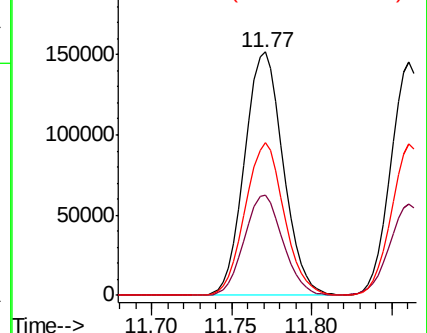
148 62.5 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.757 ug/L

RT: 11.86 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

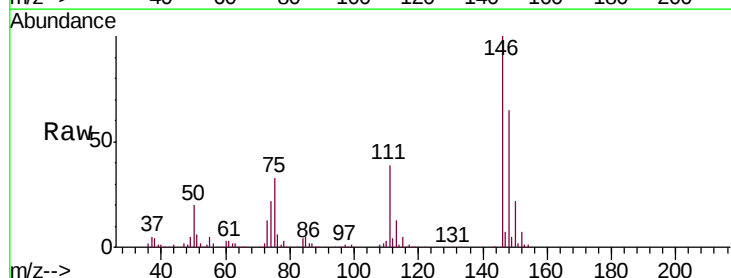
Tgt Ion:146 Resp: 237410

Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.7

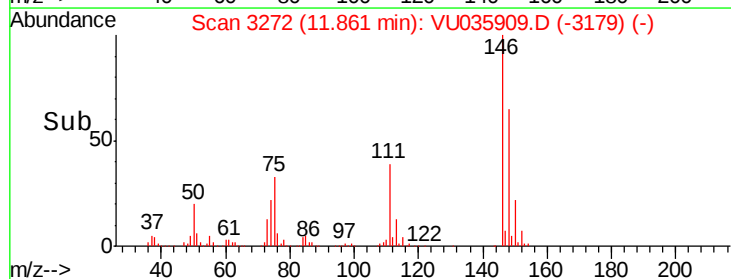
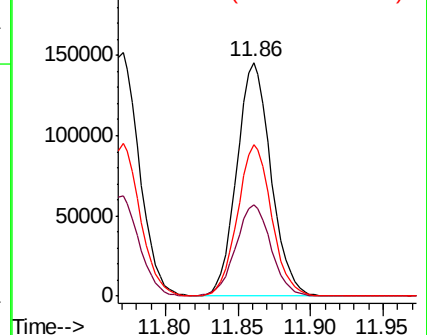
148 64.7 44.2 82.2

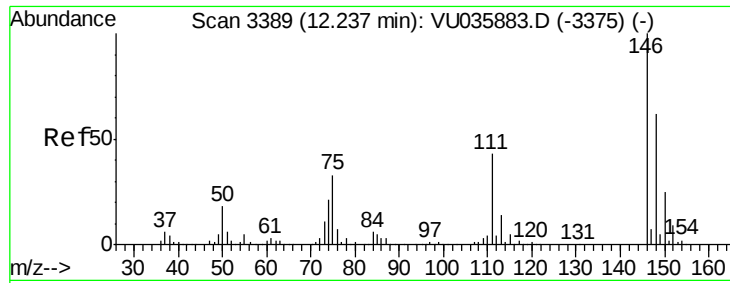


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.969 ug/L

RT: 12.24 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

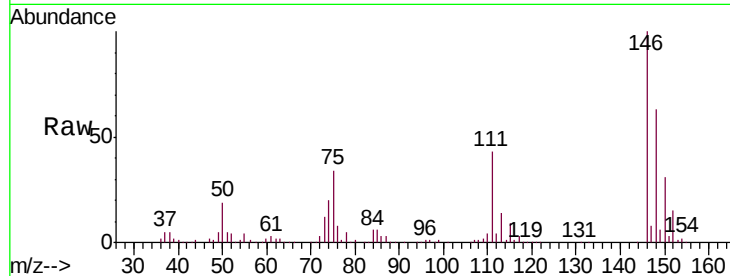
Tgt Ion:146 Resp: 240301

Ion Ratio Lower Upper

146 100

111 42.5 35.4 53.0

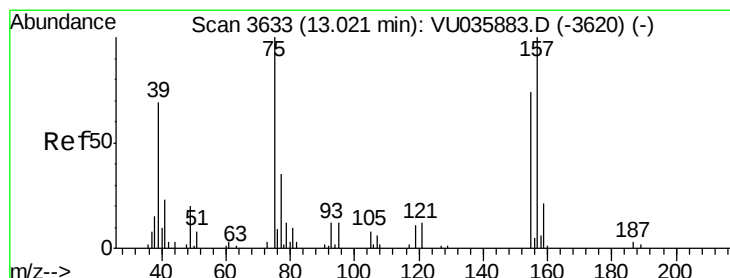
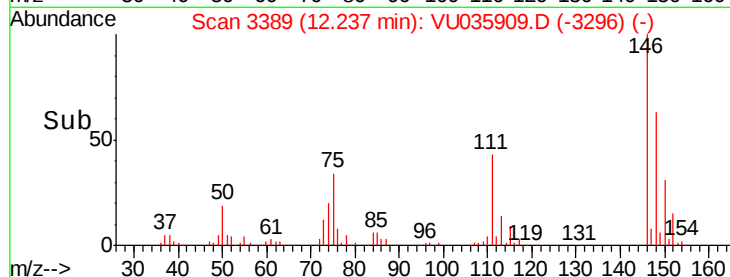
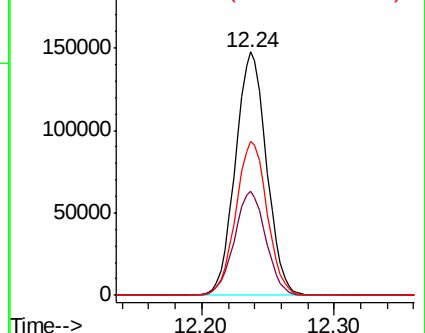
148 63.1 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.140 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. -0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

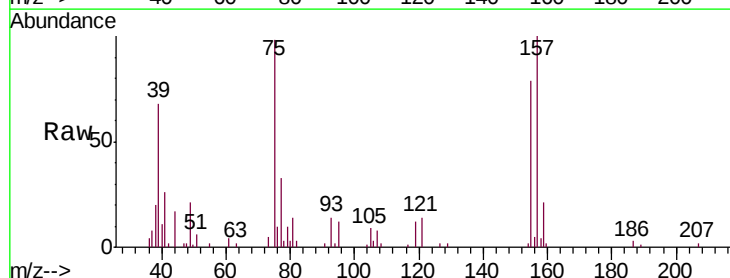
Tgt Ion: 75 Resp: 16566

Ion Ratio Lower Upper

75 100

155 81.1 55.4 83.2

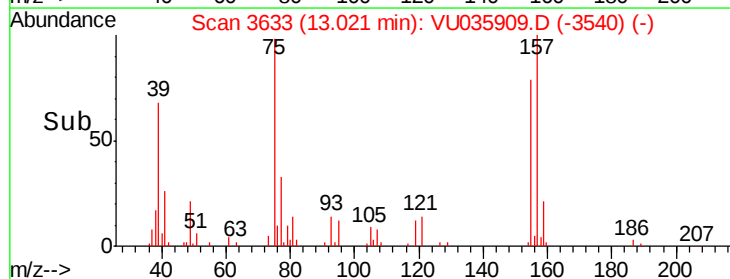
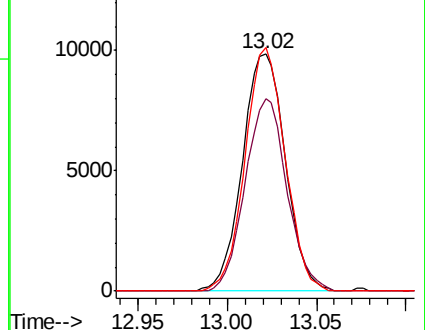
157 102.4 69.4 104.2

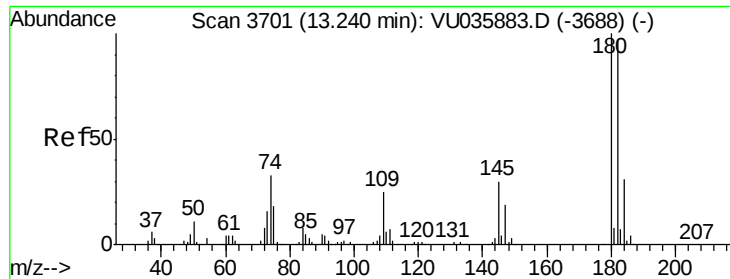


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

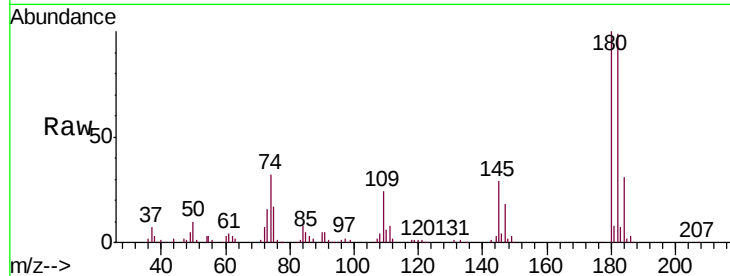




#67
 1,3,5-Trichlorobenzene
 Concen: 4.919 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.9	75.6	113.4
184	30.7	24.1	36.1
145	29.9	23.7	35.5



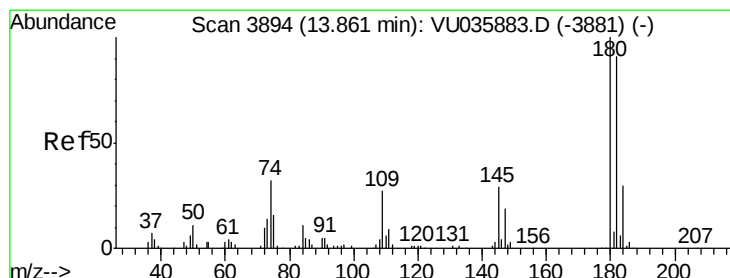
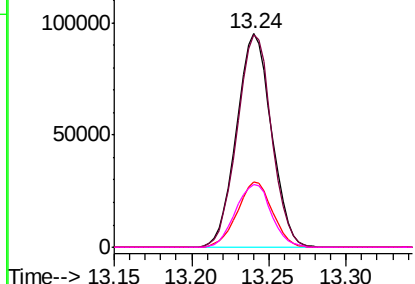
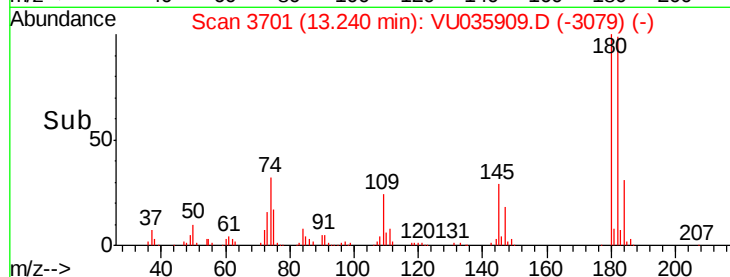
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

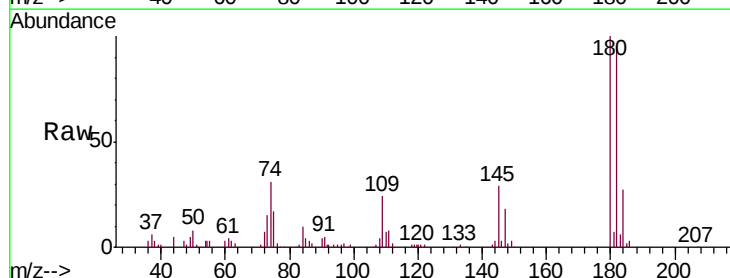
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.063 ug/L
 RT: 13.86 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU035909.D
 Acq: 29 Nov 2019 08:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.1	112.7
145	30.1	24.0	36.0

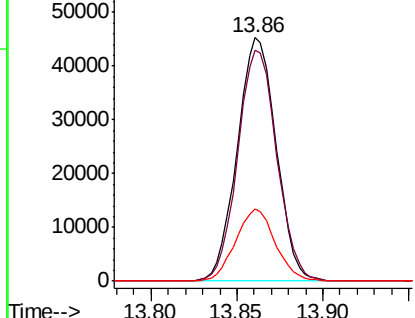
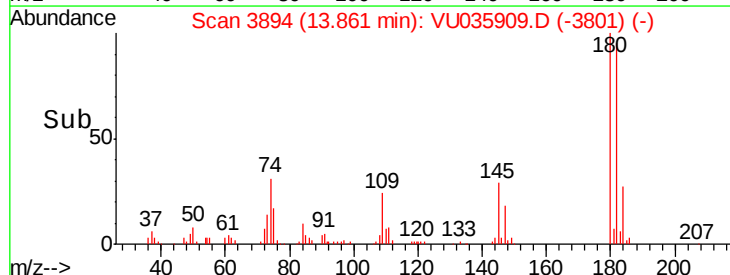


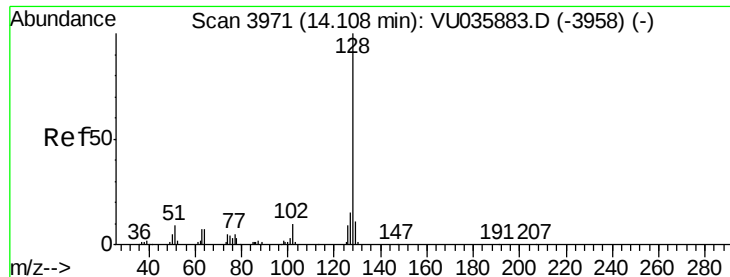
Abundance

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: 2.621 ug/L

RT: 14.11 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

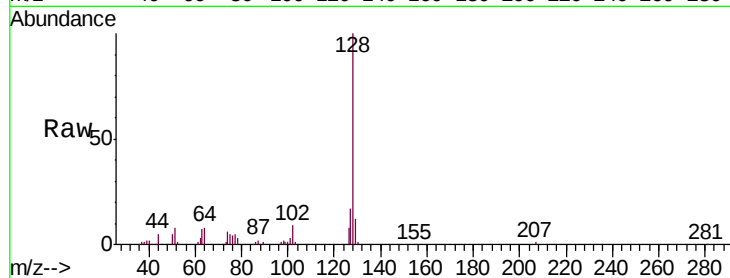
Tgt Ion:128 Resp: 64612

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

127 15.0 11.8 17.6

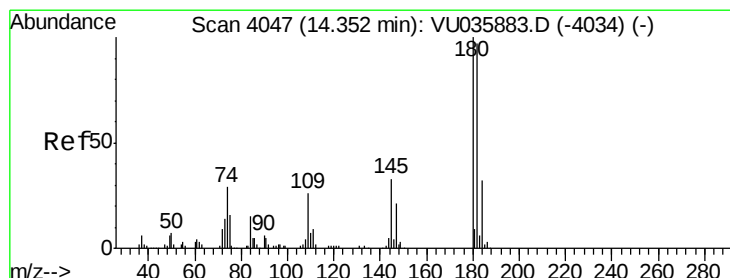
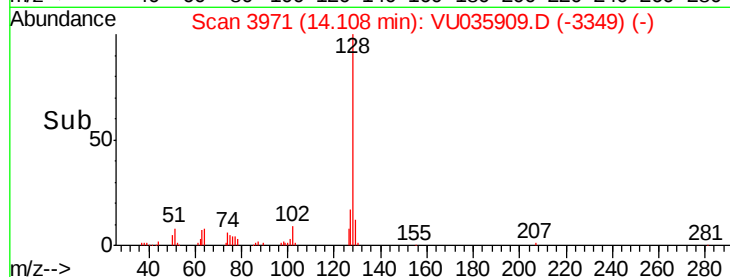
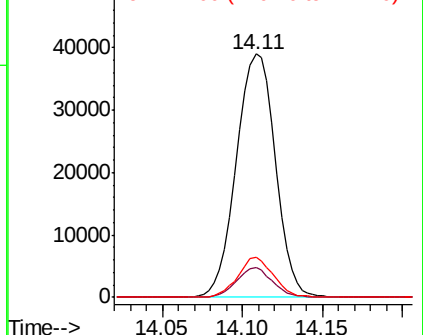


Abundance

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: 4.009 ug/L

RT: 14.35 min Scan# 4047

Delta R.T. 0.00 min

Lab File: VU035909.D

Acq: 29 Nov 2019 08:55

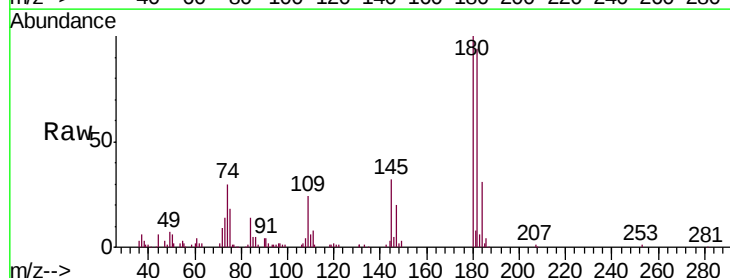
Tgt Ion:180 Resp: 68256

Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.0

145 32.4 24.7 37.1



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

