

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062420\
 Data File : VU039055.D
 Acq On : 24 Jun 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Jun 25 00:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jun 24 10:58:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	309242	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	300202	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	98805	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.93	69	88530	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.59	63	202799	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	4.67	46	406641	49.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.52%
24) Chloroform-d	5.10	84	209380	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.74	65	127244	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.76	84	395944	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.72	67	132534	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.92	98	339624	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	8.20	79	58741	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.66	63	329675	52.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	125507	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	125578	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	139135	5.028	ug/L 99
3) Chloromethane	1.53	50	147219	4.942	ug/L 94
5) Vinyl chloride	1.62	62	147864	4.922	ug/L 100
6) Bromomethane	1.87	94	78276	4.840	ug/L 98
8) Chloroethane	1.95	64	88838	4.907	ug/L 98
9) Trichlorofluoromethane	2.16	101	190476	4.953	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	116477	5.203	ug/L 98
12) 1,1-Dichloroethene	2.60	96	107196	5.005	ug/L 97
13) Acetone	2.67	43	267680	48.232	ug/L 100
14) Carbon disulfide	2.82	76	342450	4.796	ug/L 100
15) Methyl Acetate	2.99	43	60893	4.621	ug/L 95
16) Methylene chloride	3.08	84	121527	4.599	ug/L 96
17) Methyl tert-butyl Ether	3.40	73	292094	4.791	ug/L 98
18) trans-1,2-Dichloroethene	3.39	96	111658	4.872	ug/L 98
19) 1,1-Dichloroethane	3.91	63	223542	4.907	ug/L 99
21) 2-Butanone	4.75	43	441507	52.324	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	119313	4.825	ug/L 95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062420\
 Data File : VU039055.D
 Acq On : 24 Jun 2020 10:14
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Jun 25 00:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
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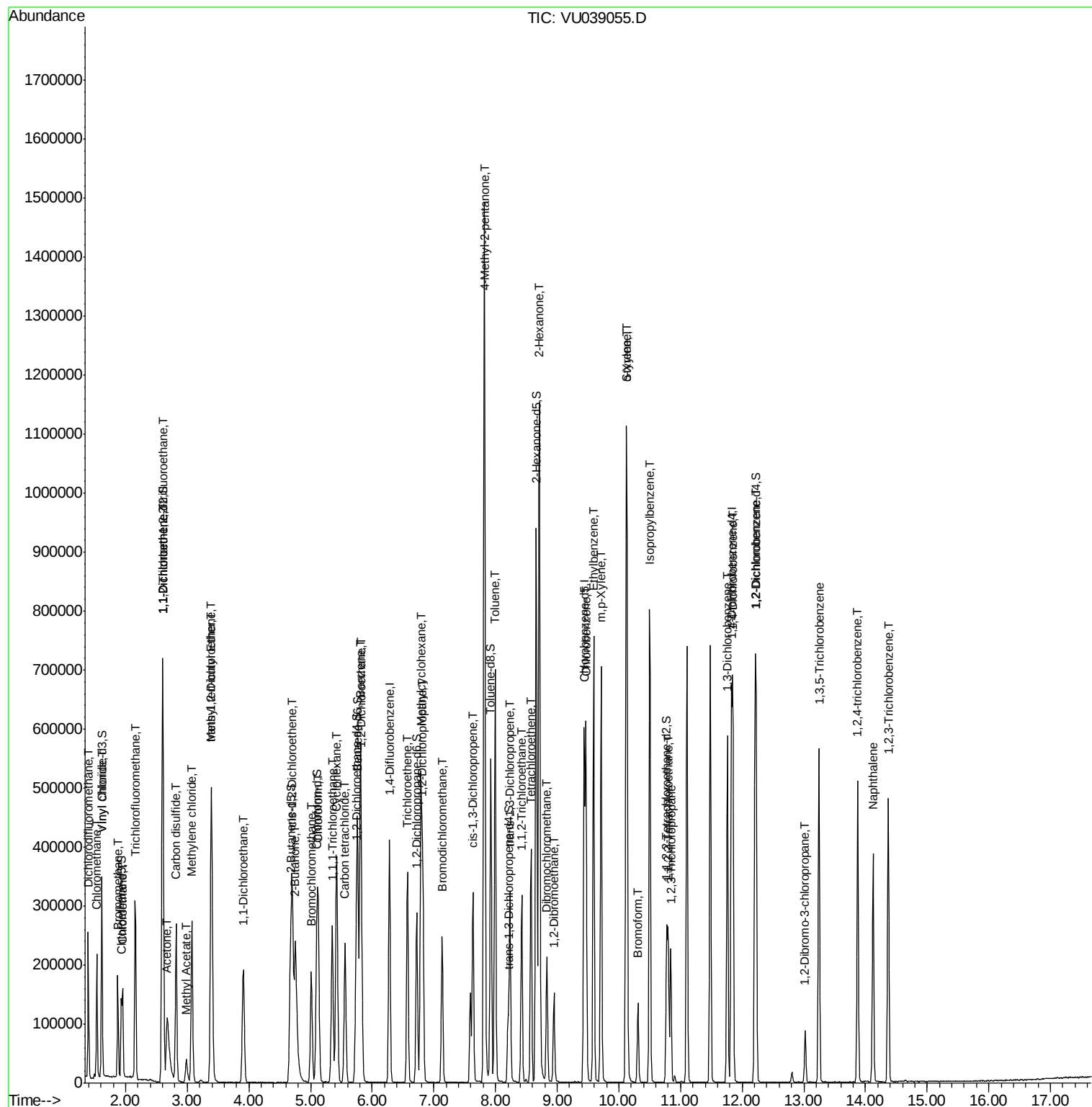
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53302	4.683	ug/L	95
25) Chloroform	5.12	83	223531	4.884	ug/L	98
27) 1,2-Dichloroethane	5.83	62	156371	4.795	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	187205	4.997	ug/L	98
30) Cyclohexane	5.42	56	184834	5.302	ug/L	98
31) Carbon tetrachloride	5.56	117	157742	5.056	ug/L	99
33) Benzene	5.81	78	478099	5.069	ug/L	100
34) Trichloroethene	6.57	95	116457	5.105	ug/L	99
35) Methylcyclohexane	6.79	83	183775	5.429	ug/L	98
37) 1,2-Dichloropropane	6.82	63	129794	5.079	ug/L	100
38) Bromodichloromethane	7.13	83	160400	5.035	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	181893	5.135	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1001936	52.532	ug/L	100
42) Toluene	7.99	91	493941	5.276	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	170533	5.146	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	95190	5.012	ug/L	97
47) Tetrachloroethene	8.57	164	82809	5.036	ug/L	96
48) 2-Hexanone	8.71	43	762645	54.544	ug/L	100
49) Dibromochloromethane	8.83	129	104649	5.067	ug/L	100
50) 1,2-Dibromoethane	8.95	107	89534	4.986	ug/L	98
51) Chlorobenzene	9.47	112	296337	5.028	ug/L	99
52) Ethylbenzene	9.59	91	505422	5.136	ug/L	100
53) m,p-Xylene	9.71	106	194583	5.377	ug/L	100
54) o-Xylene	10.12	106	181559	5.223	ug/L	99
55) Styrene	10.13	104	327489	5.364	ug/L	99
56) Isopropylbenzene	10.50	105	488175	5.360	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	124140	4.888	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	93643	4.861	ug/L	98
61) Bromoform	10.31	173	58255	4.759	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	223728	5.021	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	226806	4.942	ug/L	97
65) 1,2-Dichlorobenzene	12.23	146	215773	4.830	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	23174	4.702	ug/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	161510	4.898	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	145066	4.829	ug/L	98
69) Naphthalene	14.12	128	296446	4.626	ug/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	139514	4.812	ug/L	99

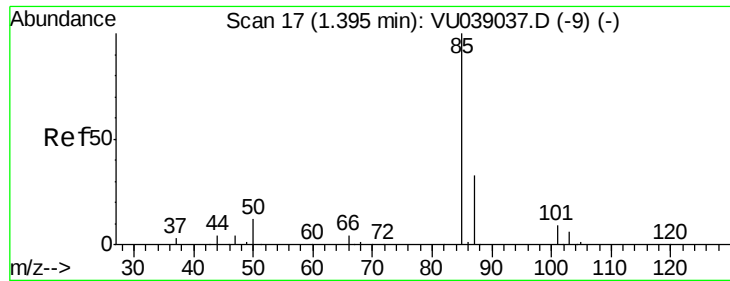
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062420\
Data File : VU039055.D
Acq On : 24 Jun 2020 10:14
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Quant Time: Jun 25 00:57:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 24 10:58:49 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.028 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

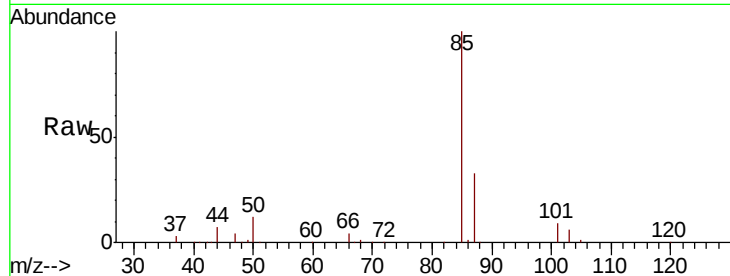
VSTD00513

Tot Ion: 85 Resp: 139135

Ion Ratio Lower Upper

85 100

87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039037.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039037.D (-9) (-)

1.39

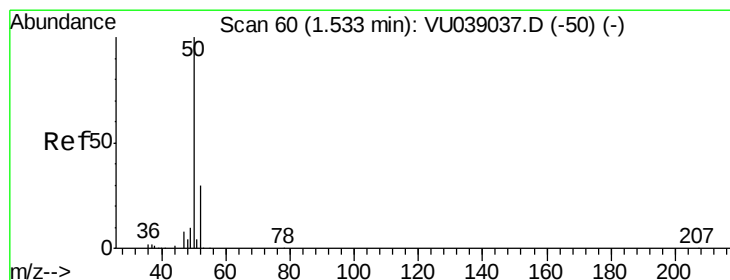
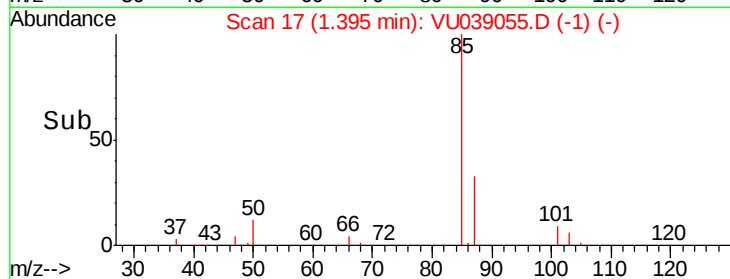
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.942 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039055.D

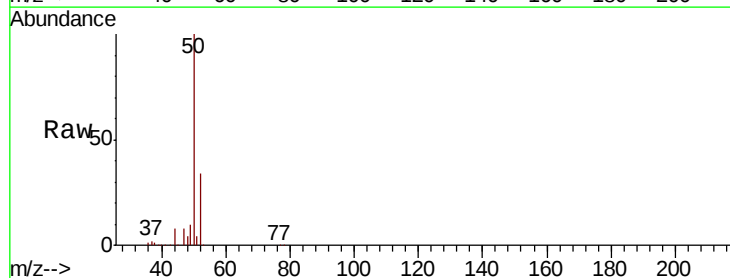
Acq: 24 Jun 2020 10:14

Tgt Ion: 50 Resp: 147219

Ion Ratio Lower Upper

50 100

52 33.7 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039037.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039037.D (-50) (-)

1.53

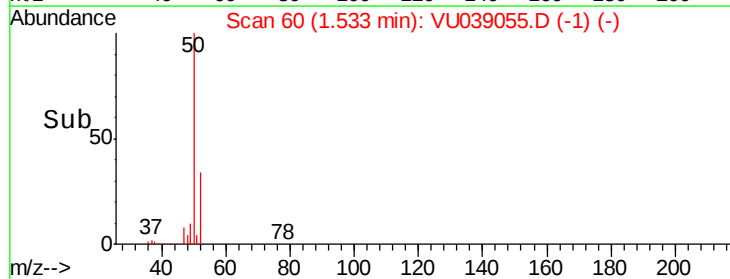
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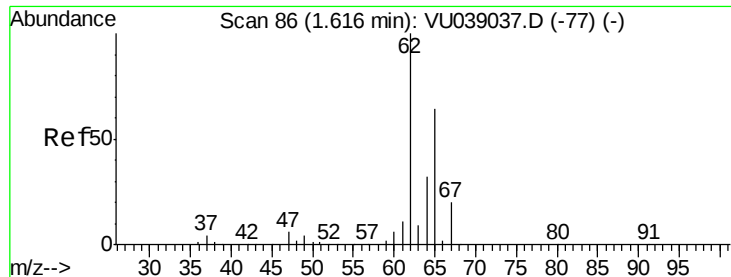
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.922 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampled :

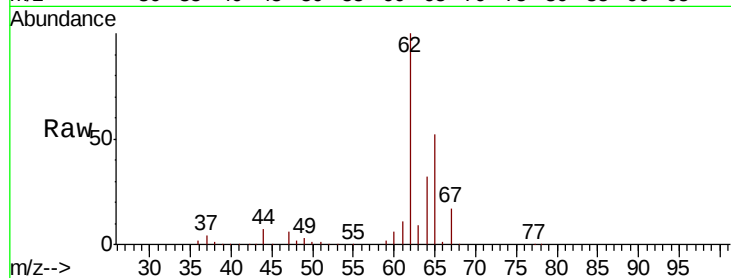
VSTD00513

Tot Ion: 62 Resp: 147864

Ion Ratio Lower Upper

62 100

64 32.1 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039037.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU039037.D (-77) (-)

1.62

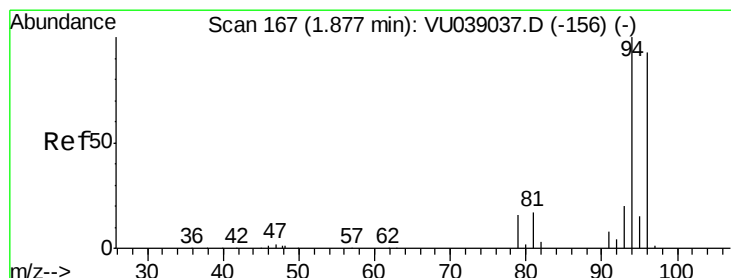
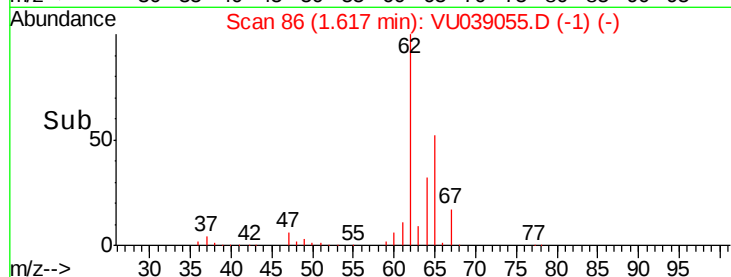
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 4.840 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU039055.D

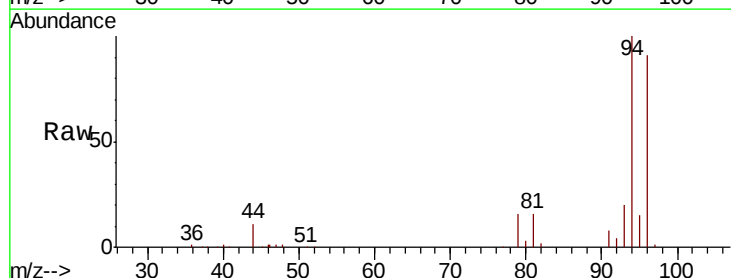
Acq: 24 Jun 2020 10:14

Tgt Ion: 94 Resp: 78276

Ion Ratio Lower Upper

94 100

96 91.2 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039037.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU039037.D (-156) (-)

1.87

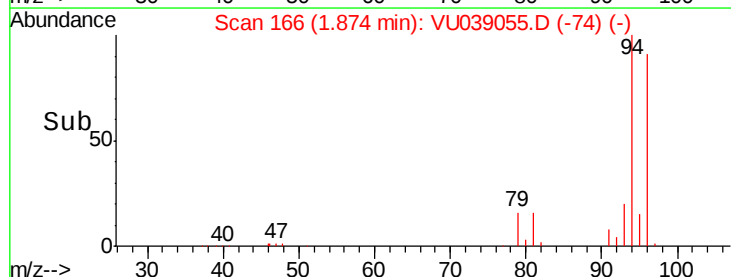
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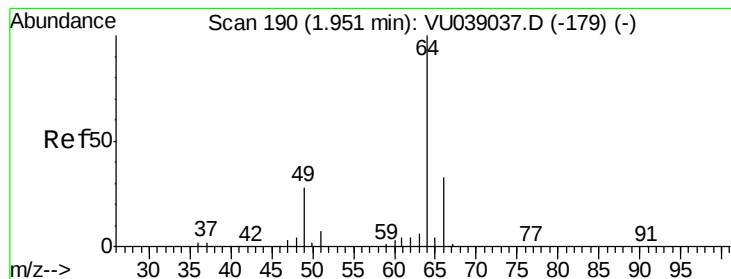
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.907 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

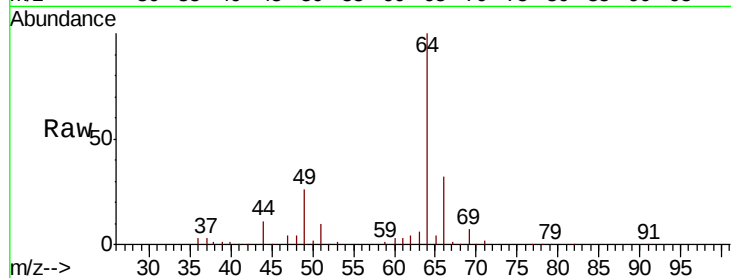
VSTD00513

Tot Ion: 64 Resp: 88838

Ion Ratio Lower Upper

64 100

66 32.3 23.4 43.4



Abundance Ion 64.10 (63.80 to 64.80): VU039037.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU039037.D (-179) (-)

1.95

80000

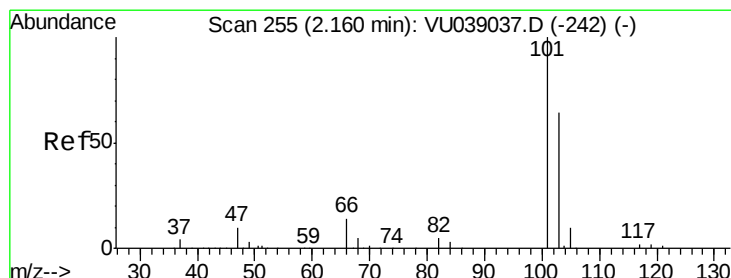
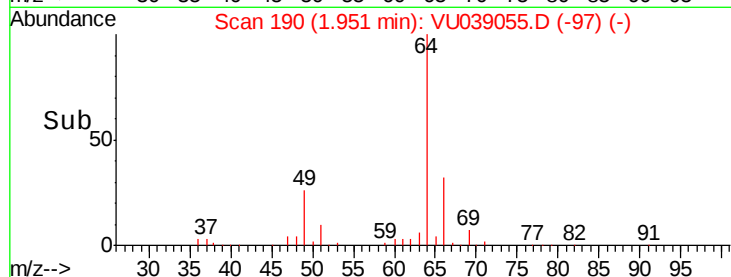
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.953 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU039055.D

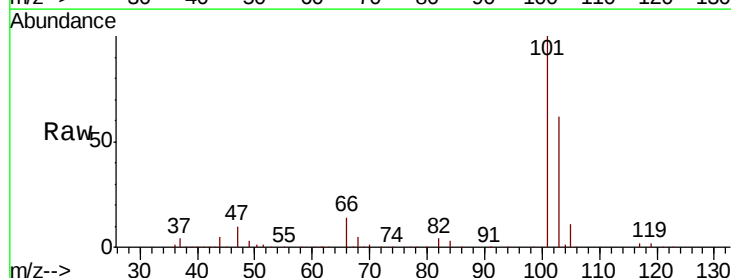
Acq: 24 Jun 2020 10:14

Tgt Ion: 101 Resp: 190476

Ion Ratio Lower Upper

101 100

103 63.7 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): VU039037.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU039037.D (-242) (-)

2.16

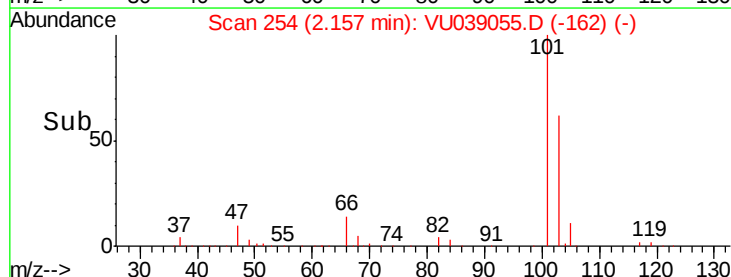
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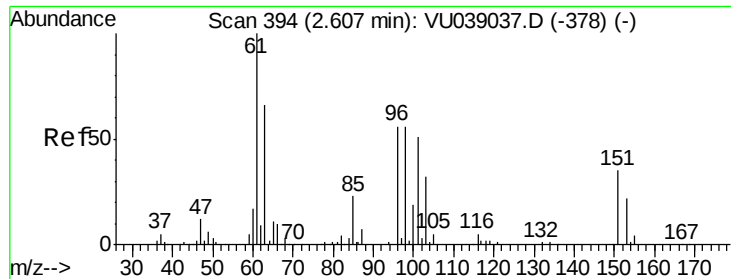
100000

50000

0

Time-->





#10

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

Concen: 5.203 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

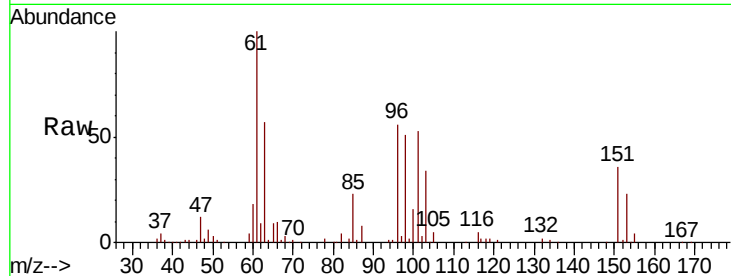
Tot Ion:101 Resp: 116477

Ion Ratio Lower Upper

101 100

85 42.9 36.2 54.4

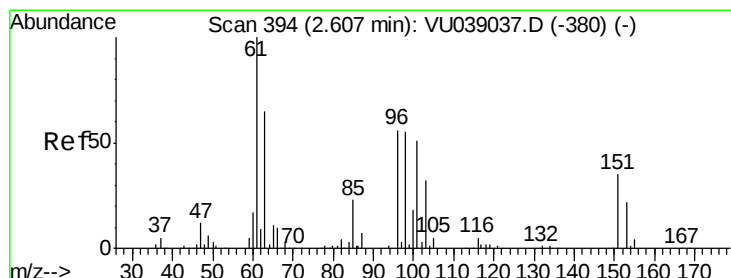
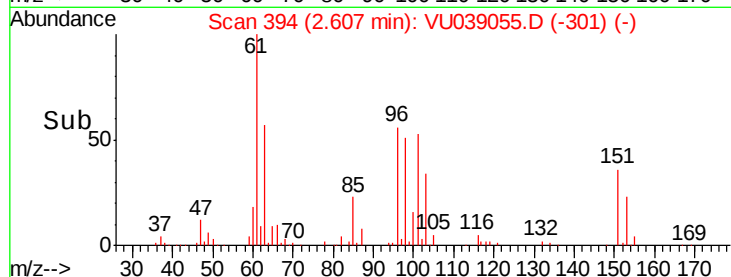
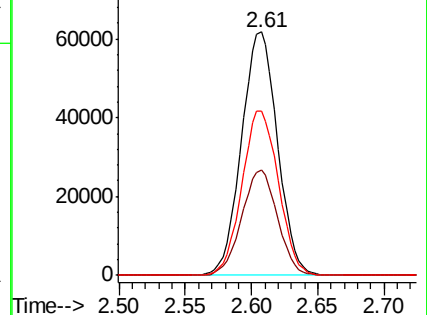
151 68.5 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.005 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

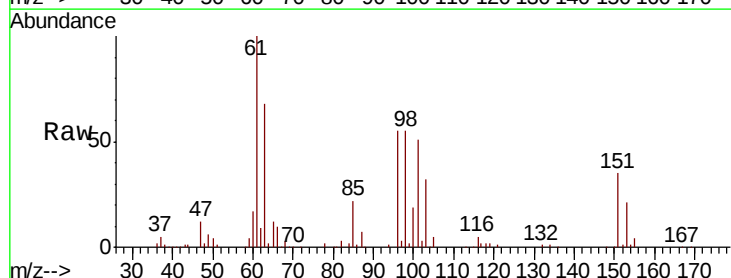
Tgt Ion: 96 Resp: 107196

Ion Ratio Lower Upper

96 100

61 181.9 125.1 232.3

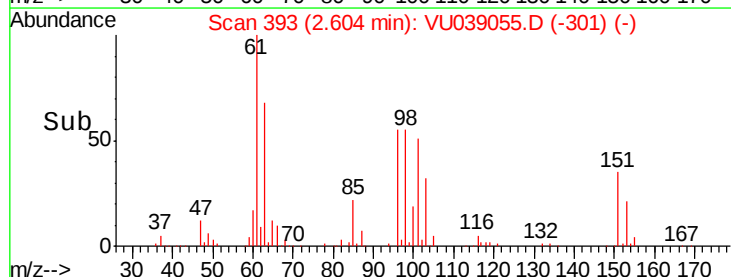
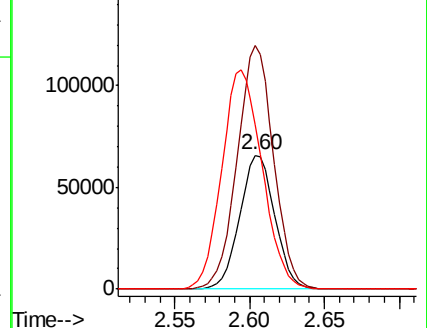
63 122.9 82.3 152.8

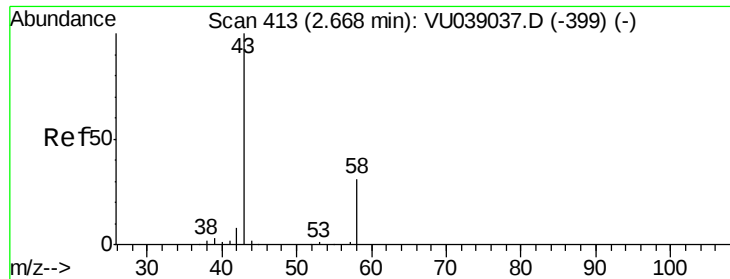


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.232 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

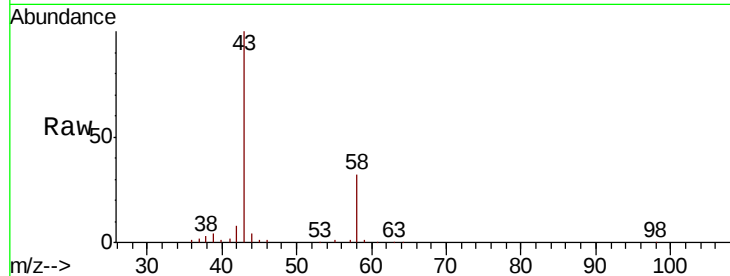
VSTD00513

Tot Ion: 43 Resp: 267680

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039037.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU039037.D (-399) (-)

2.67

60000

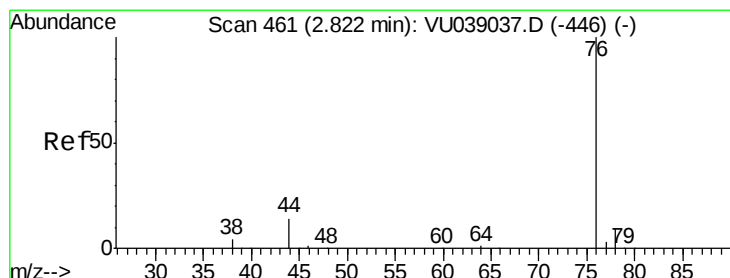
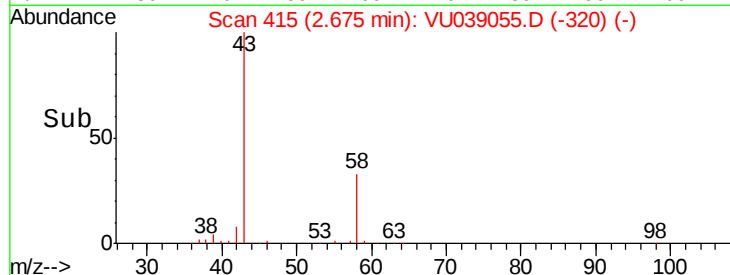
40000

20000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.796 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039055.D

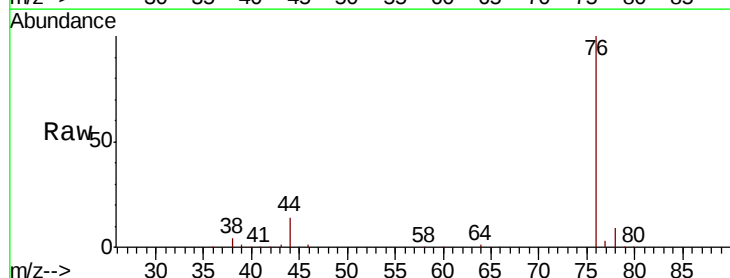
Acq: 24 Jun 2020 10:14

Tgt Ion: 76 Resp: 342450

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VU039037.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU039037.D (-446) (-)

2.82

200000

150000

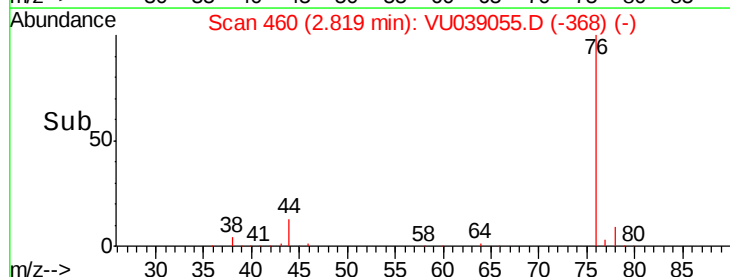
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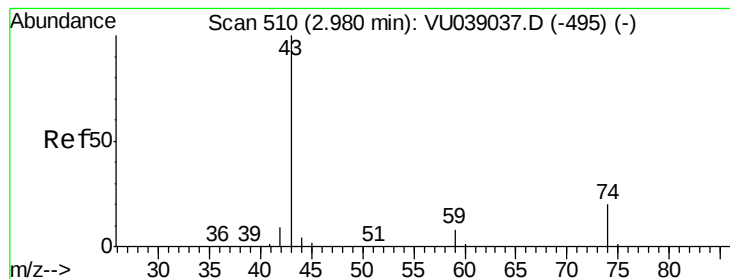
50000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 4.621 ug/L

RT: 2.99 min Scan# 512

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

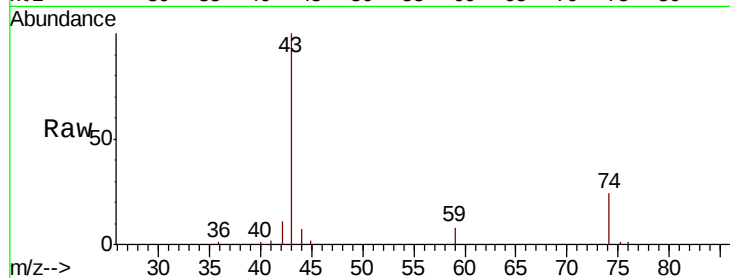
VSTD00513

Tot Ion: 43 Resp: 60893

Ion Ratio Lower Upper

43 100

74 23.6 17.0 25.4



Abundance Ion 43.05 (42.75 to 43.75): VU039037.D (-495) (-)

Ion 74.05 (73.75 to 74.75): VU039037.D (-495) (-)

2.99

25000

20000

15000

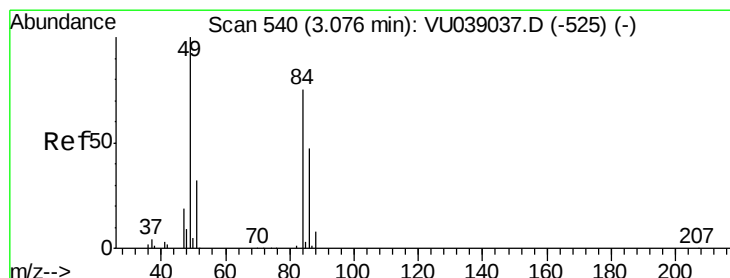
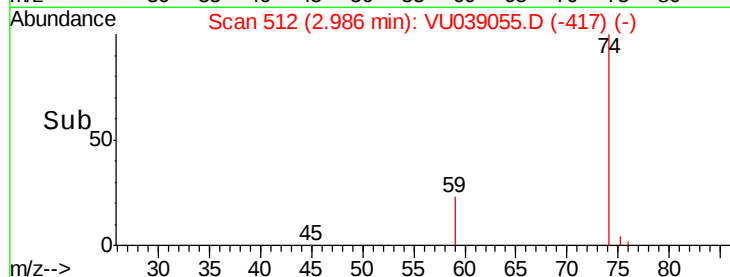
10000

5000

0

Time-->

2.90 3.00 3.10



#16

Methylene chloride

Concen: 4.599 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

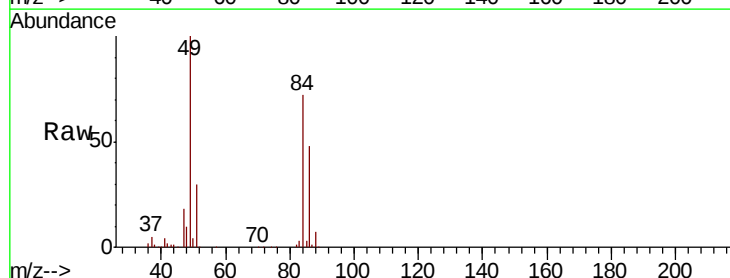
Tgt Ion: 84 Resp: 121527

Ion Ratio Lower Upper

84 100

86 66.3 44.1 81.9

49 138.0 93.1 172.9



Abundance Ion 84.05 (83.75 to 84.75): VU039037.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU039037.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU039037.D (-525) (-)

120000

100000

80000

60000

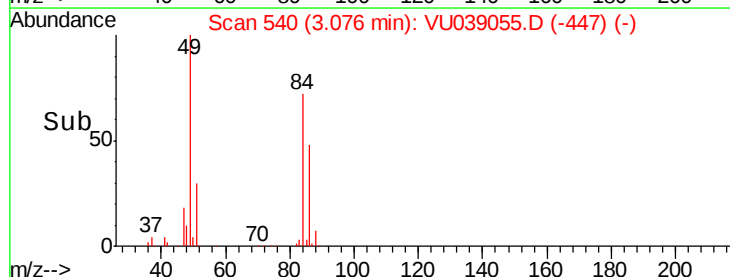
40000

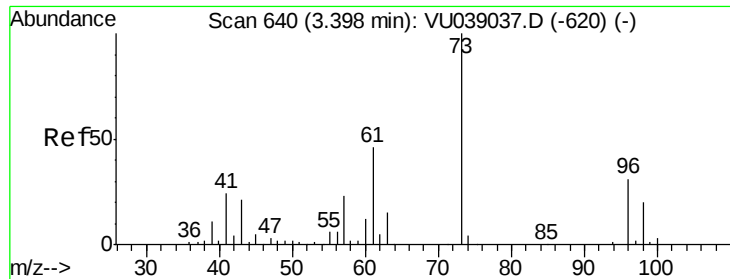
20000

0

Time-->

3.00 3.05 3.10 3.15

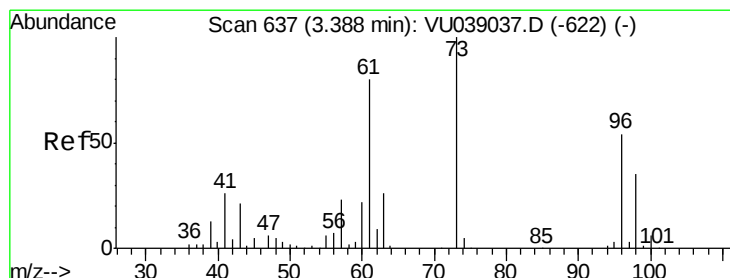
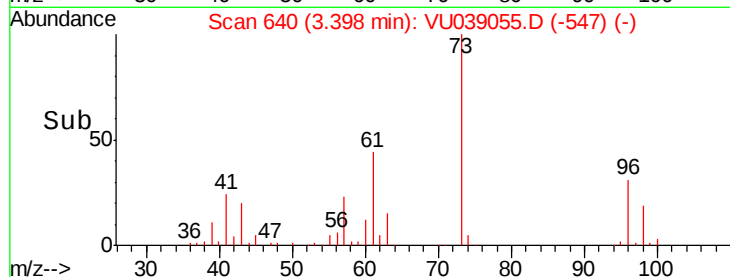
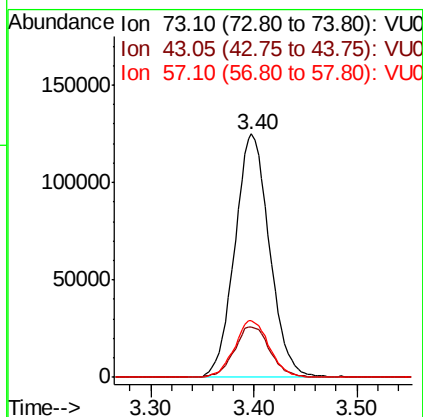
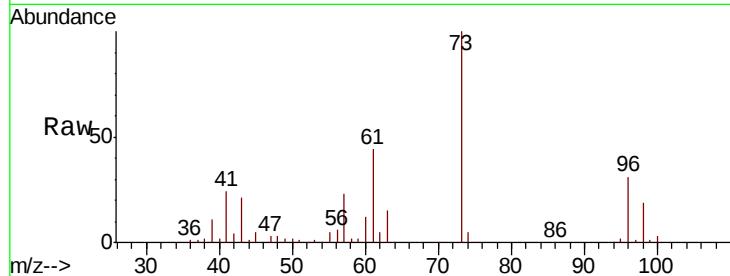




#17
Methvl tert-butvl Ether
Concen: 4.791 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

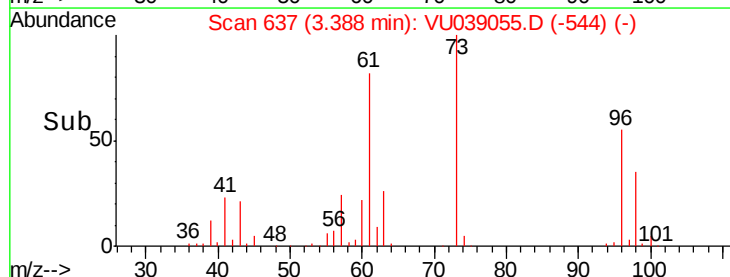
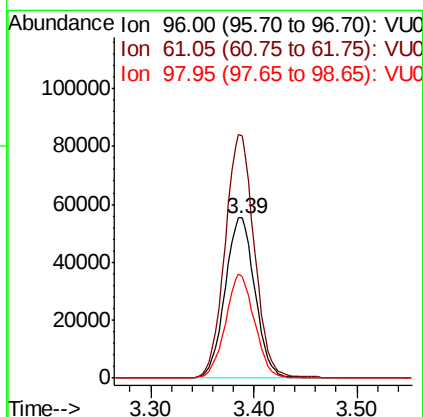
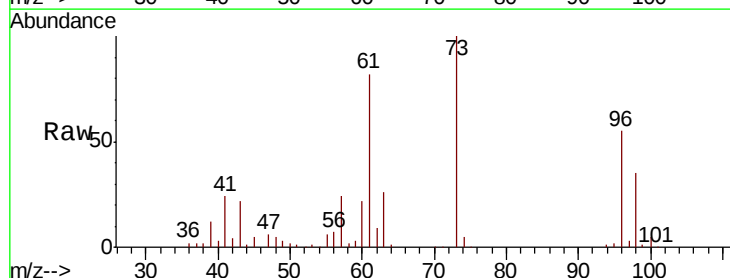
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

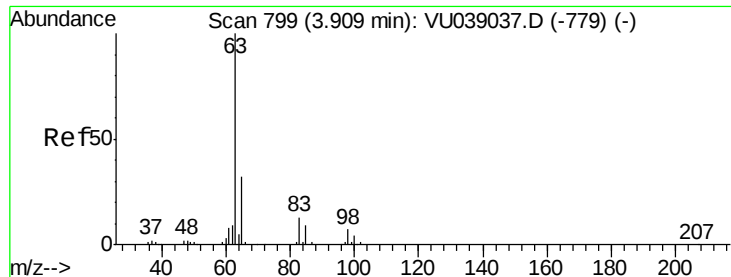
Tot Ion: 73 Resp: 292094
Ion Ratio Lower Upper
73 100
43 21.5 16.6 24.8
57 23.5 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 4.872 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion: 96 Resp: 111658
Ion Ratio Lower Upper
96 100
61 150.9 103.5 192.3
98 63.6 44.9 83.5

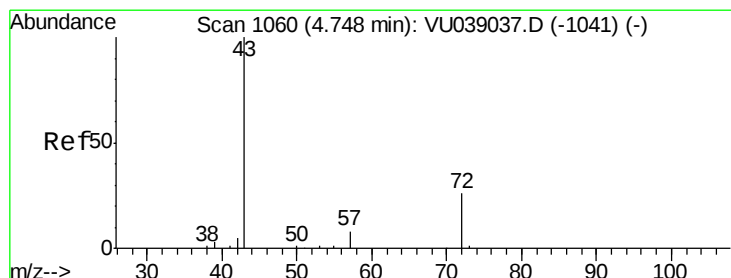
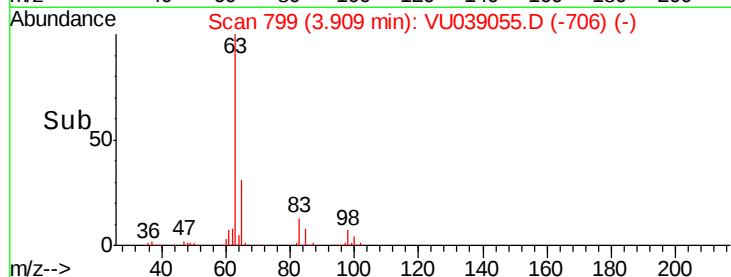
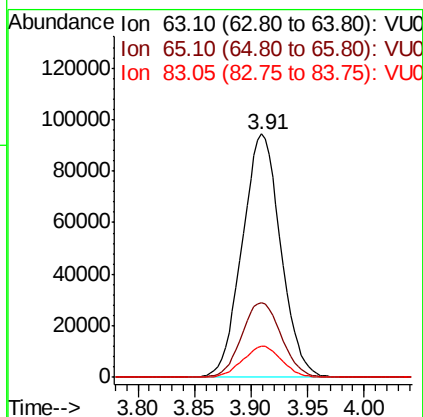
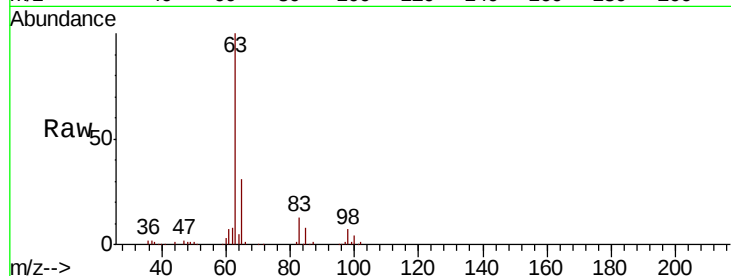




#19
 1,1-Dichloroethane
 Concen: 4.907 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

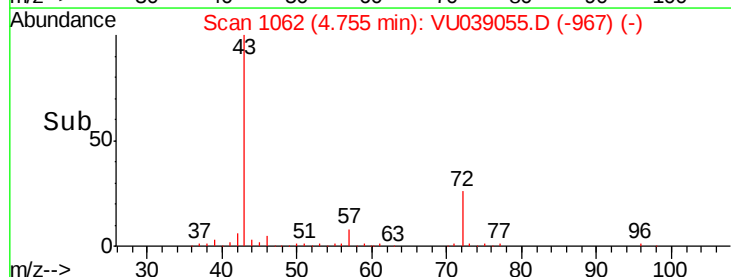
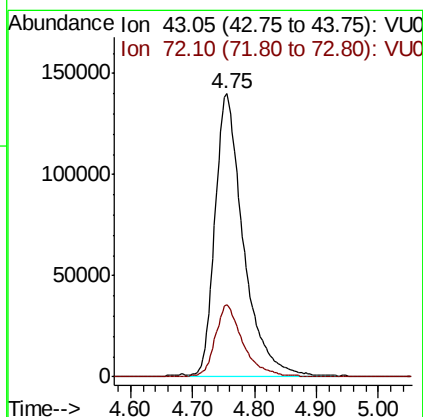
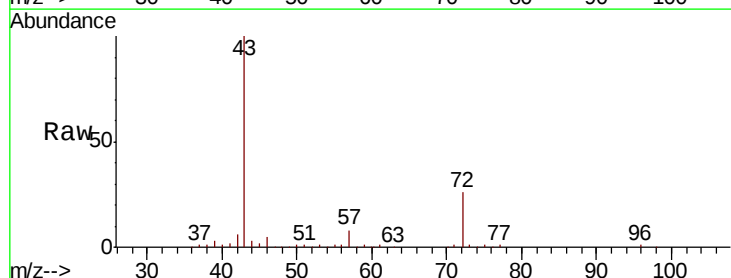
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

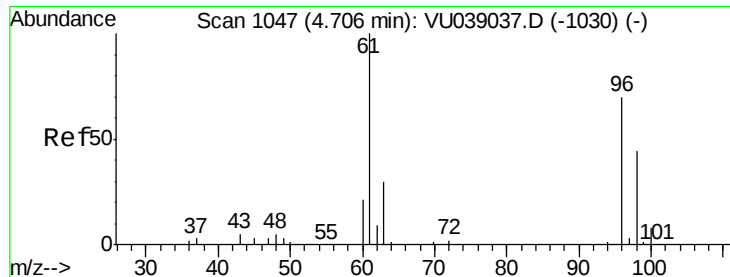
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.1	41.1
83	12.6	9.3	17.3



#21
 2-Butanone
 Concen: 52.324 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.4	13.1	39.3





#22

cis-1,2-Dichloroethene

Concen: 4.825 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

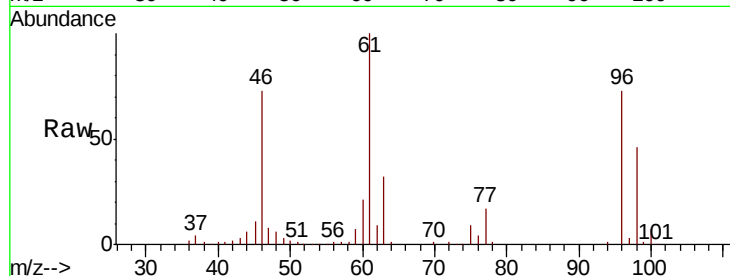
Tot Ion: 96 Resp: 119313

Ion Ratio Lower Upper

96 100

61 137.4 100.8 187.2

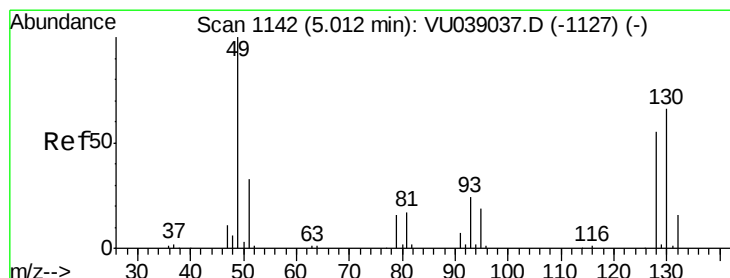
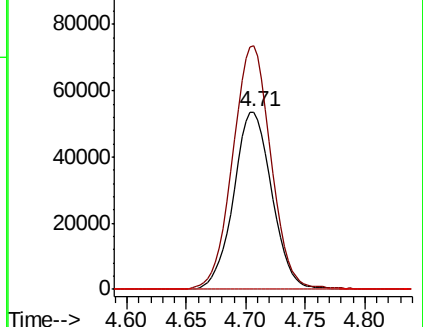
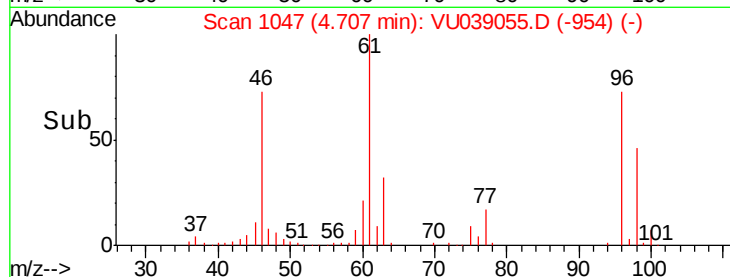
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039055.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU039055.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU039055.D (-954) (-)



#23

Bromochloromethane

Concen: 4.683 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Tgt Ion: 128 Resp: 53302

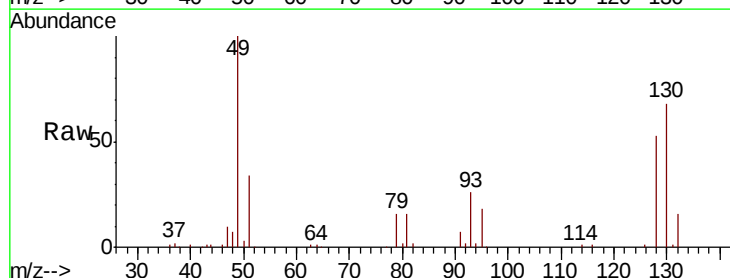
Ion Ratio Lower Upper

128 100

49 187.9 127.3 236.5

130 128.0 84.4 156.7

51 63.6 47.5 71.3

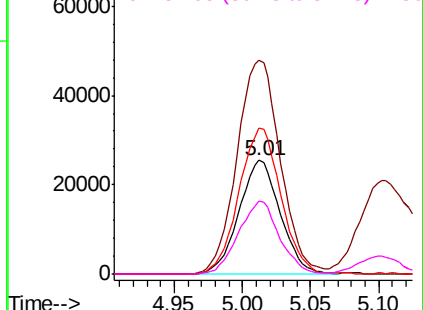
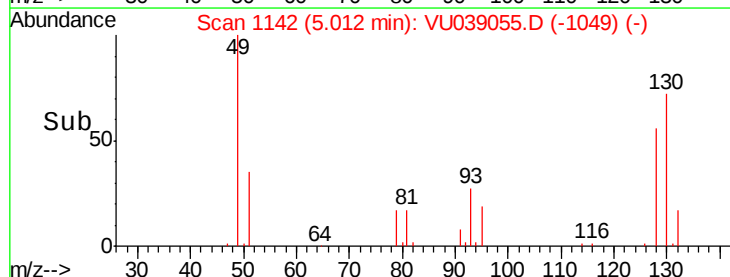


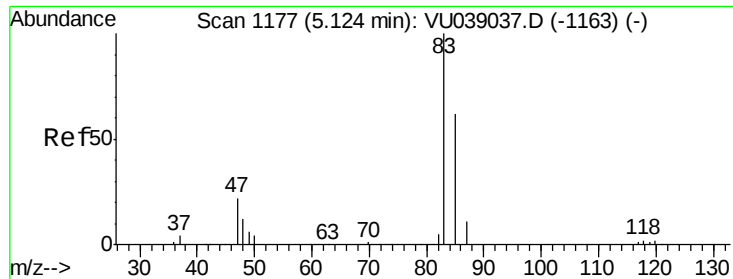
Abundance Ion 127.90 (127.60 to 128.60): VU039055.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039055.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039055.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039055.D (-1049) (-)

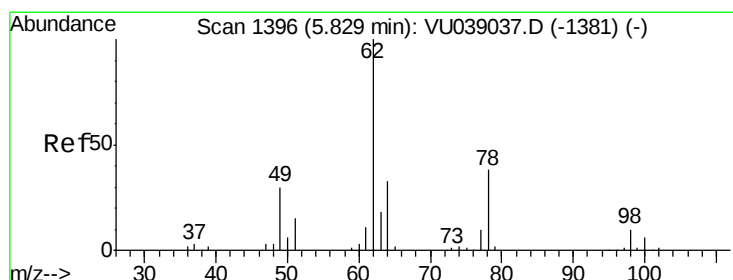
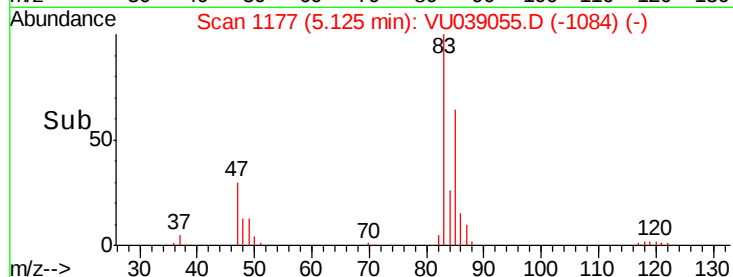
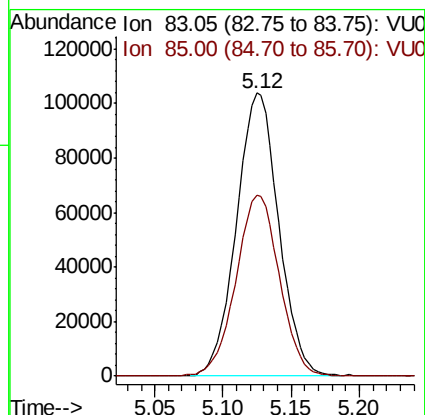
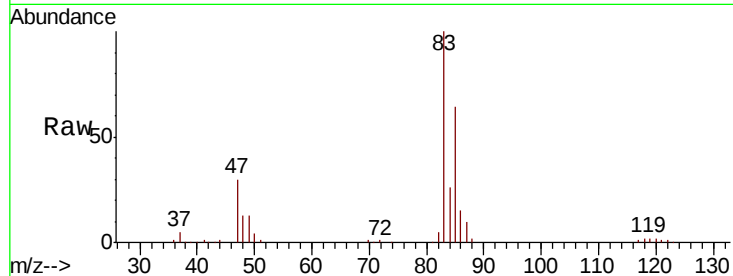




#25
Chloroform
Concen: 4.884 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

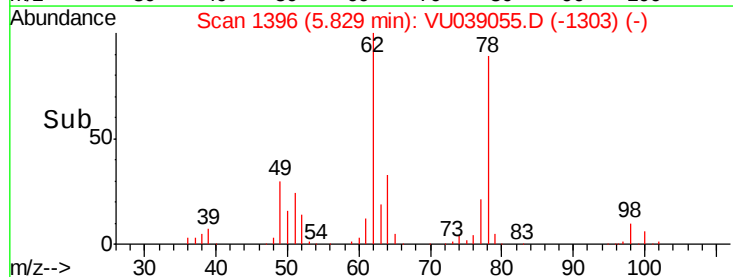
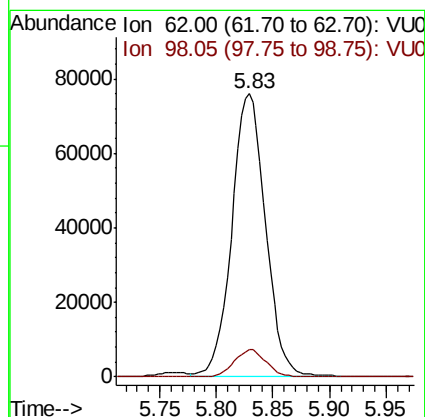
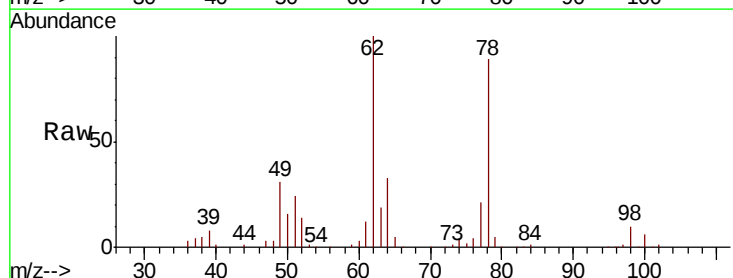
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

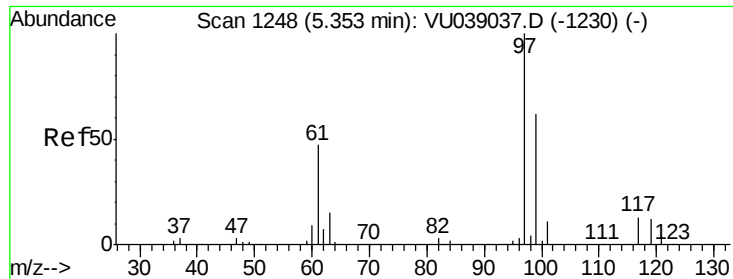
Tot Ion: 83 Resp: 223531
Ion Ratio Lower Upper
83 100
85 64.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.795 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion: 62 Resp: 156371
Ion Ratio Lower Upper
62 100
98 9.6 7.7 11.5

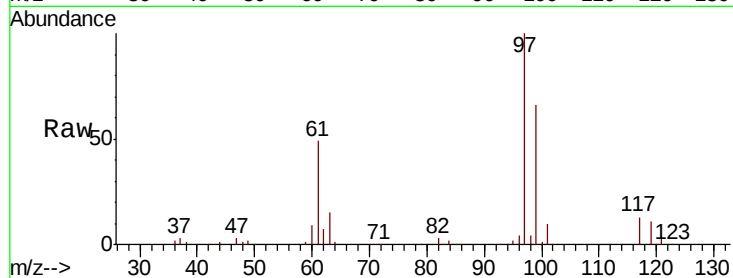




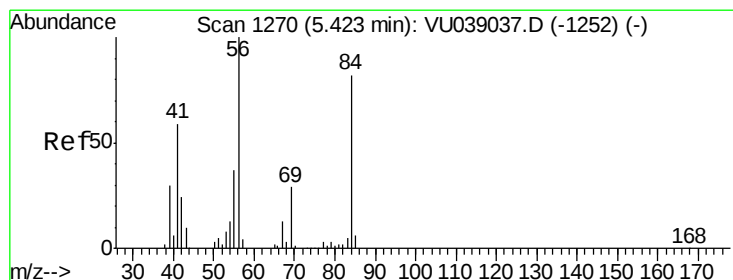
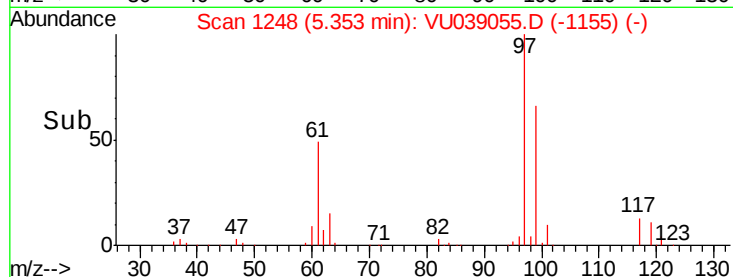
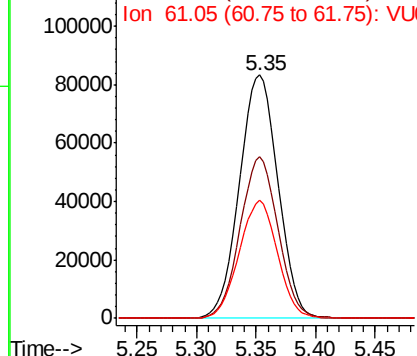
#29
1,1,1-Trichloroethane
Concen: 4.997 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 97 Resp: 187205
Ion Ratio Lower Upper
97 100
99 65.4 50.3 75.5
61 48.1 37.8 56.6

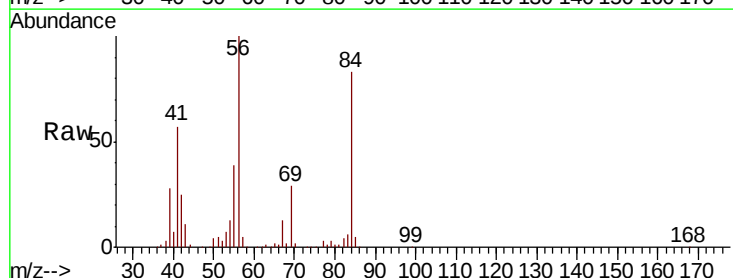


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

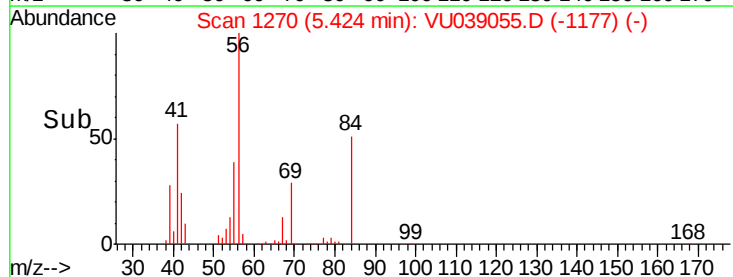
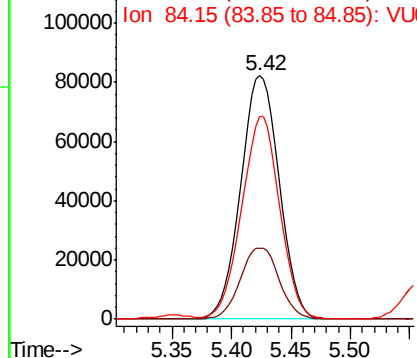


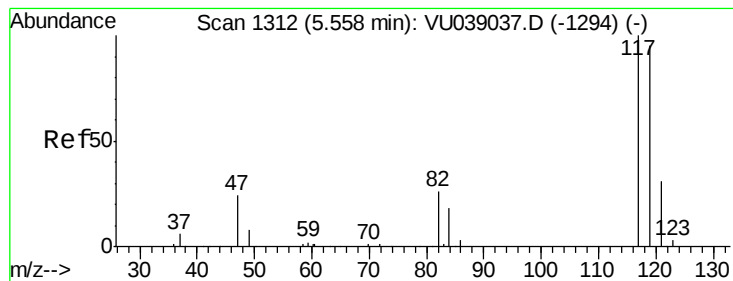
#30
Cyclohexane
Concen: 5.302 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion: 56 Resp: 184834
Ion Ratio Lower Upper
56 100
69 29.4 23.3 34.9
84 82.2 67.1 100.7



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: 5.056 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

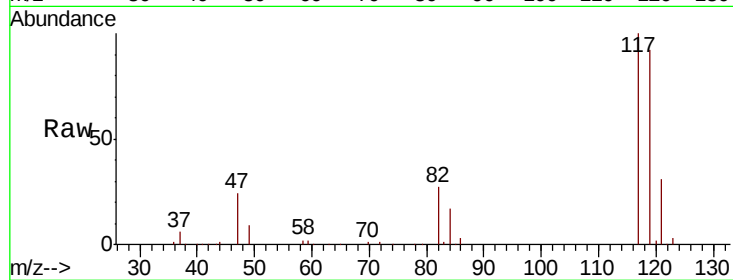
VSTD00513

Tot Ion:117 Resp: 157742

Ion Ratio Lower Upper

117 100

119 93.5 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.56

80000

60000

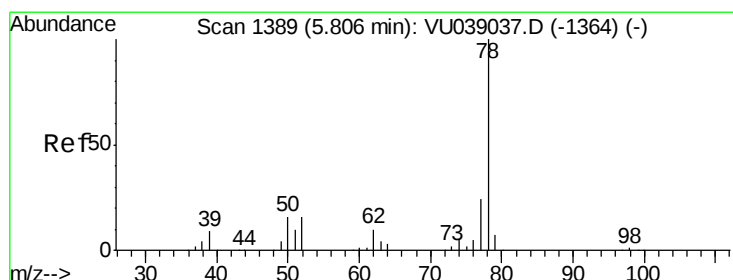
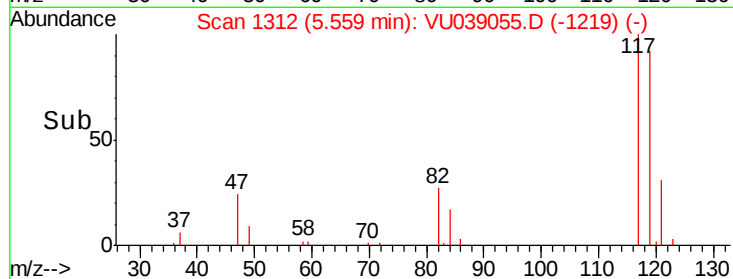
40000

20000

0

Time-->

5.45 5.50 5.55 5.60 5.65



#33

Benzene

Concen: 5.069 ug/L

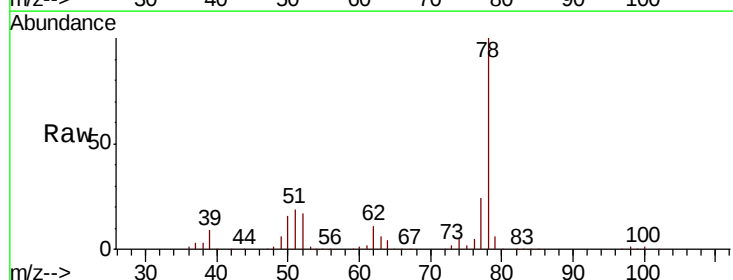
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Tgt Ion: 78 Resp: 478099



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.81

250000

200000

150000

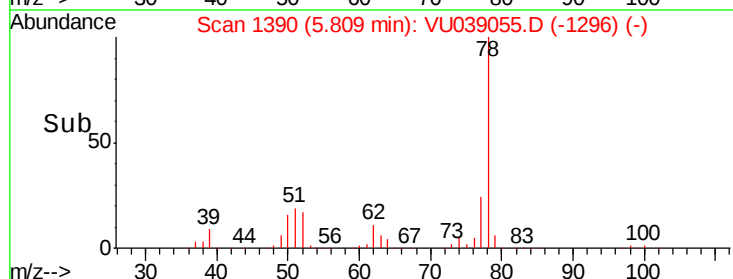
100000

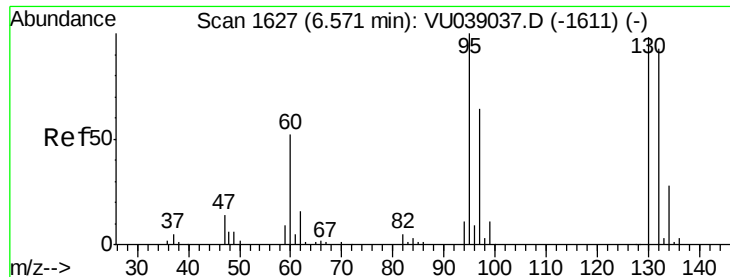
50000

0

Time-->

5.70 5.80 5.90

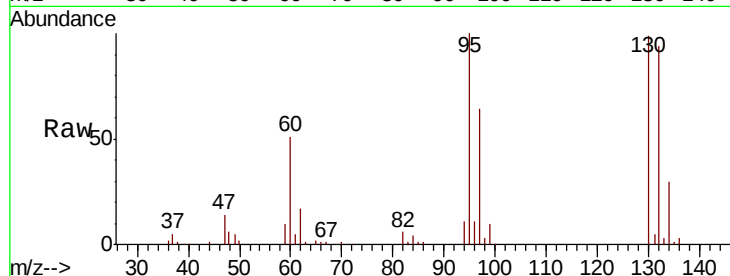




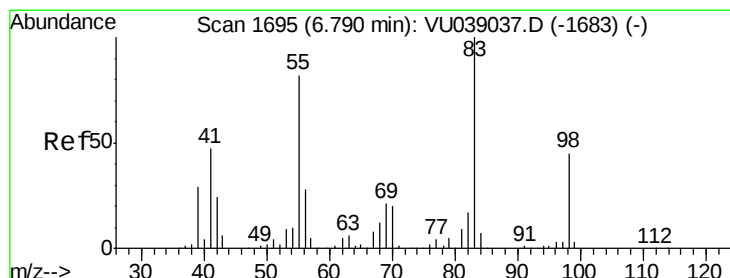
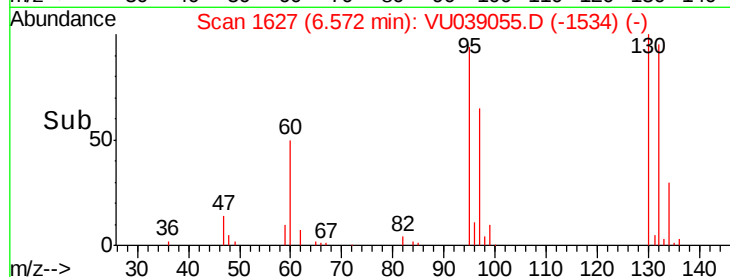
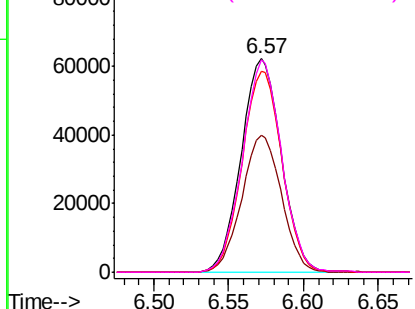
#34
Trichloroethene
Concen: 5.105 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 95 Resp: 116457
Ion Ratio Lower Upper
95 100
97 64.4 45.1 83.7
132 94.3 65.1 120.9
130 99.4 68.6 127.4

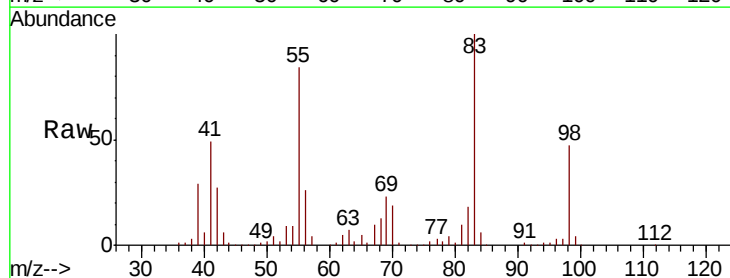


Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 96.95 (96.65 to 97.65): VU0
Ion 131.95 (131.65 to 132.65): V
Ion 129.95 (129.65 to 130.65): V

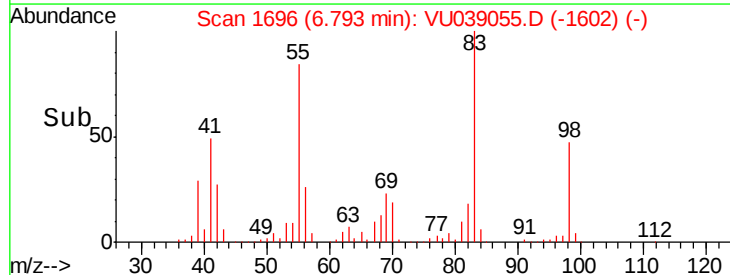
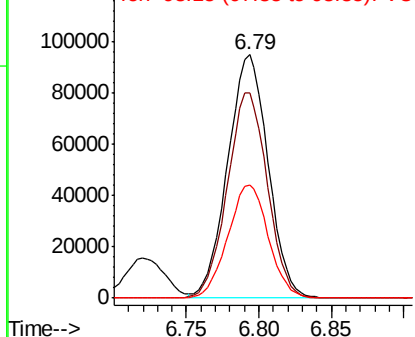


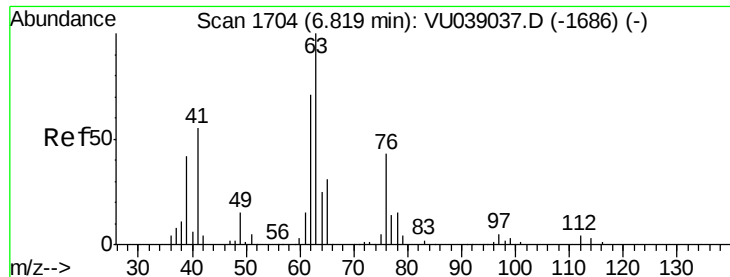
#35
Methylcyclohexane
Concen: 5.429 ug/L
RT: 6.79 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion: 83 Resp: 183775
Ion Ratio Lower Upper
83 100
55 83.5 65.5 98.3
98 46.5 36.5 54.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.079 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

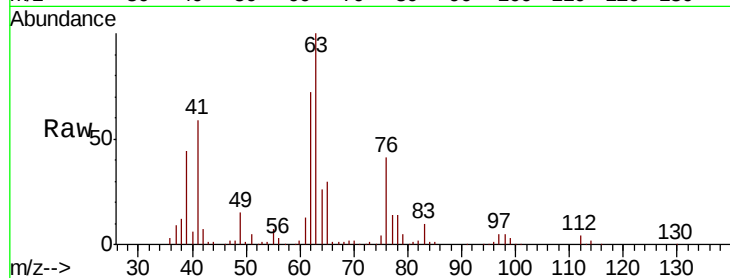
VSTD00513

Tot Ion: 63 Resp: 129794

Ion Ratio Lower Upper

63 100

112 4.5 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039037.D (-1686) (-)

Ion 112.10 (111.80 to 112.80): VU039037.D (-1686) (-)

6.82

6.82

6.82

6.82

6.82

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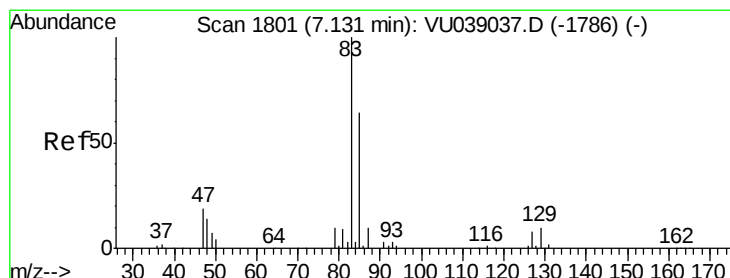
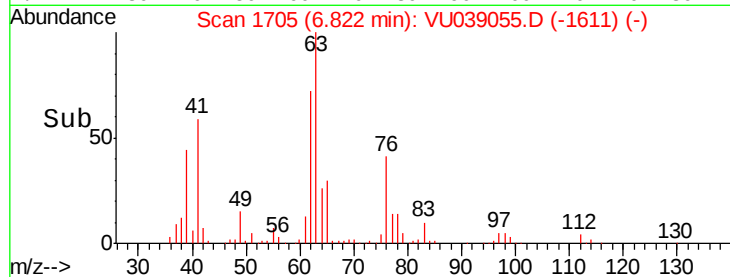
6.82

6.82

6.82

6.82

6.82



#38

Bromodichloromethane

Concen: 5.035 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

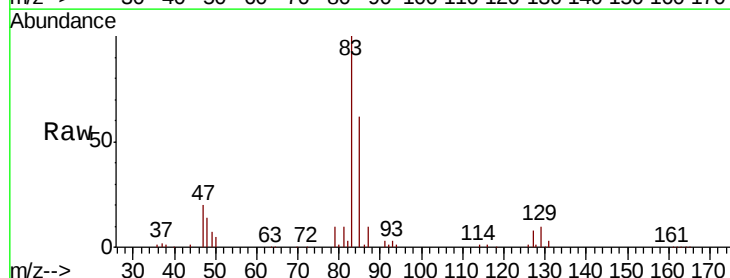
Tgt Ion: 83 Resp: 160400

Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.3

127 8.1 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU039037.D (-1786) (-)

Ion 85.00 (84.70 to 85.70): VU039037.D (-1786) (-)

Ion 126.90 (126.60 to 127.60): VU039037.D (-1786) (-)

7.13

7.13

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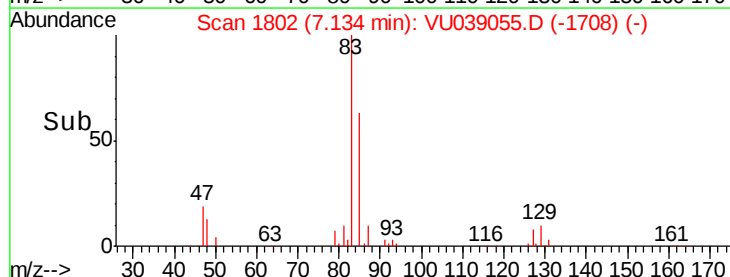
7.13

7.13

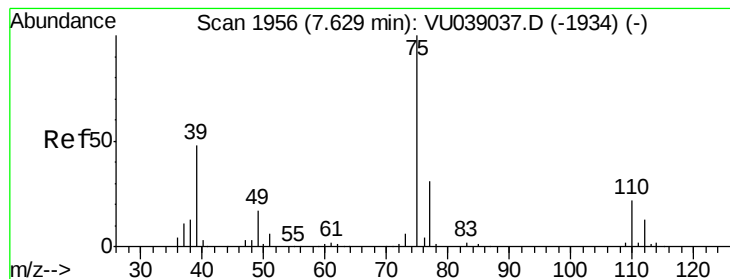
7.13

7.13

7.13



Time-->

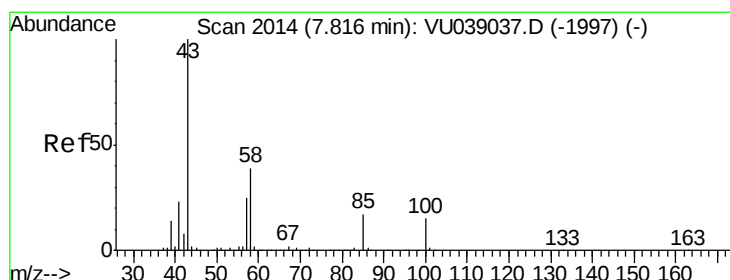
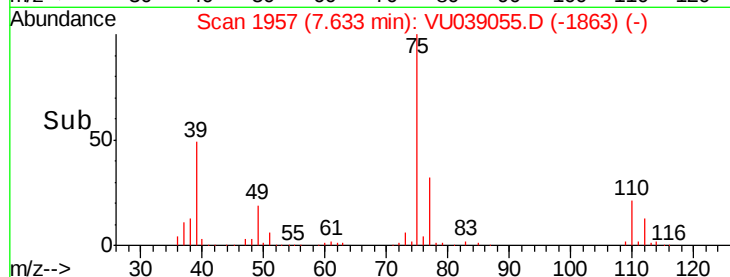
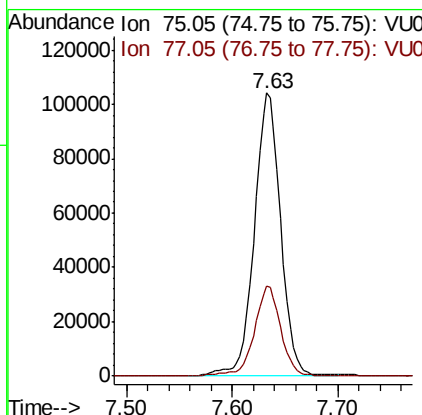
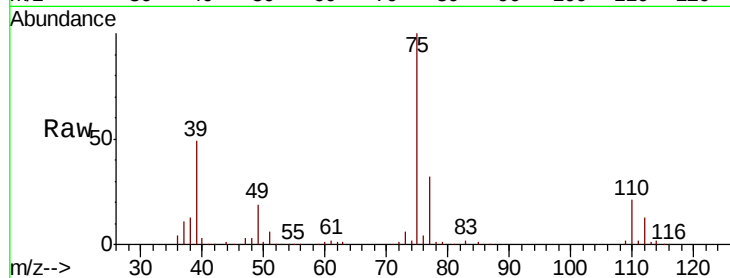


#39

cis-1,3-Dichloropropene
 Concen: 5.135 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

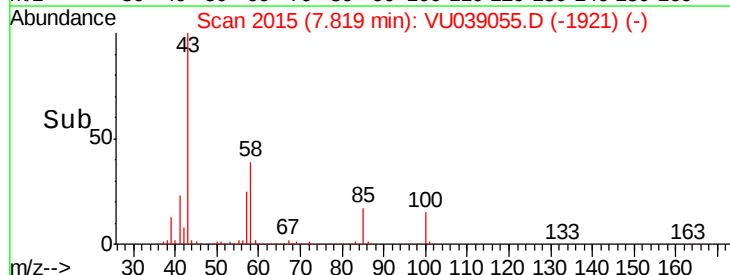
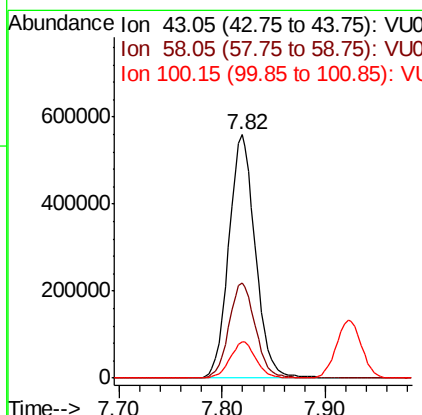
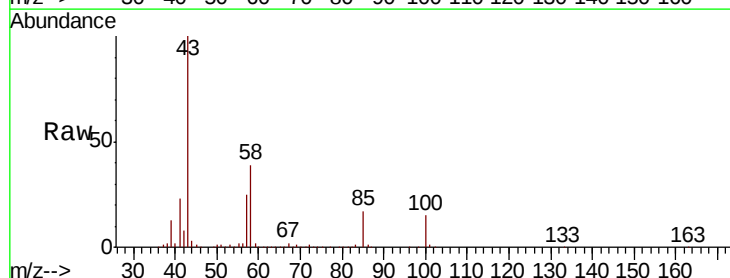
Tot Ion: 75 Resp: 181893
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.6 40.0

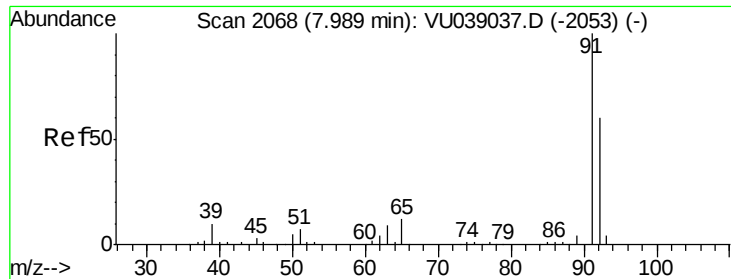


#40

4-Methyl-2-pentanone
 Concen: 52.532 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion: 43 Resp: 1001936
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 14.6 11.6 17.4





#42

Toluene

Concen: 5.276 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

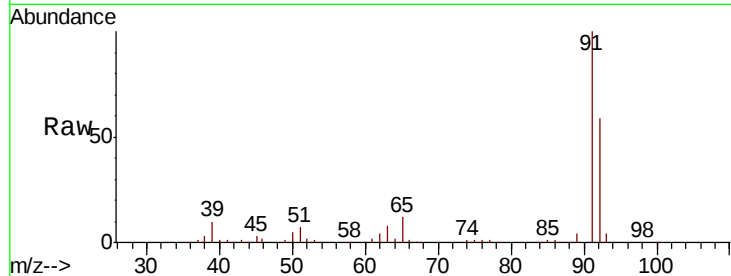
VSTD00513

Tot Ion: 91 Resp: 493941

Ion Ratio Lower Upper

91 100

92 59.0 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2053) (-)

Ion 92.15 (91.85 to 92.85): VU039037.D (-2053) (-)

7.99

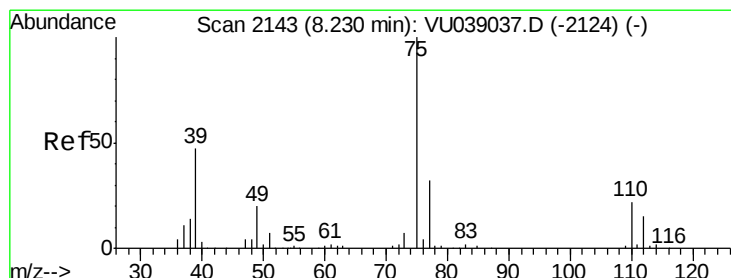
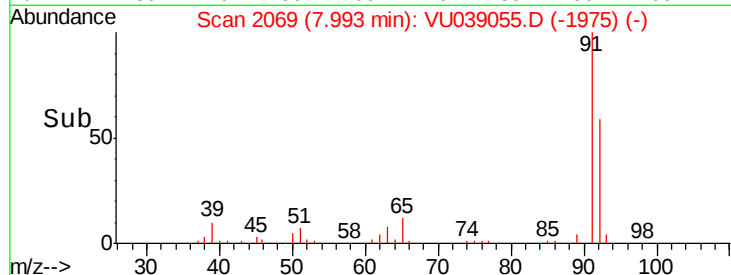
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.146 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU039055.D

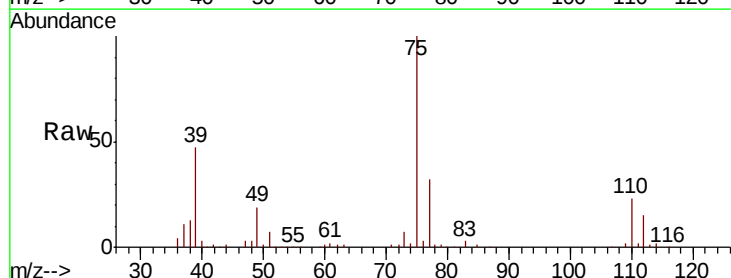
Acq: 24 Jun 2020 10:14

Tgt Ion: 75 Resp: 170533

Ion Ratio Lower Upper

75 100

77 32.2 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039037.D (-2124) (-)

Ion 77.05 (76.75 to 77.75): VU039037.D (-2124) (-)

8.23

120000

100000

80000

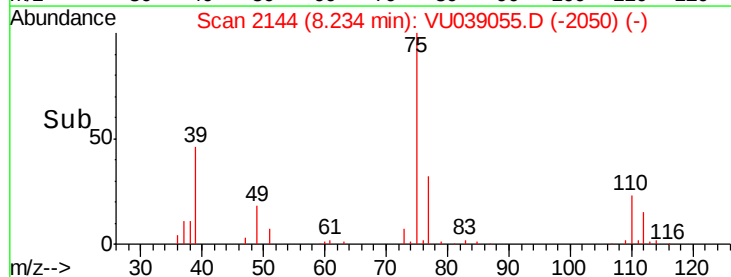
60000

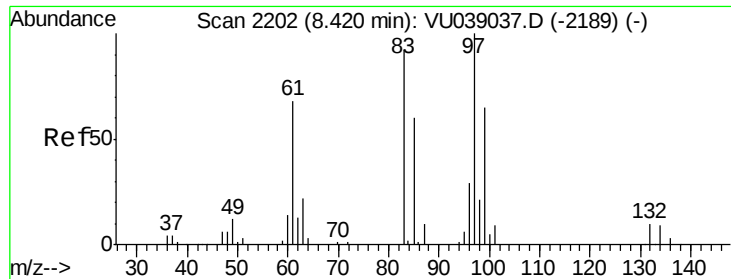
40000

20000

0

Time-->

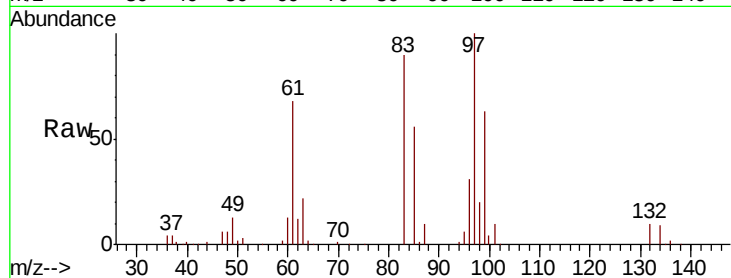




#45
 1,1,2-Trichloroethane
 Concen: 5.012 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:	97	Resp:	95190
Ion	Ratio	Lower	Upper
97	100		
99	63.0	45.4	84.4
83	90.3	64.4	119.6
85	55.8	41.7	77.5



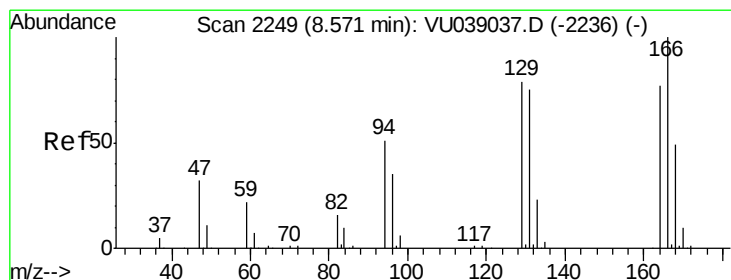
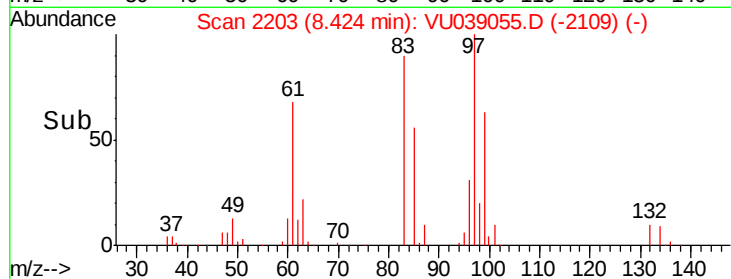
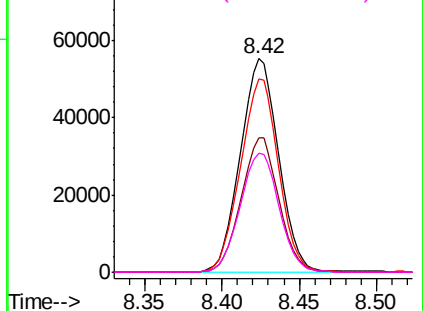
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

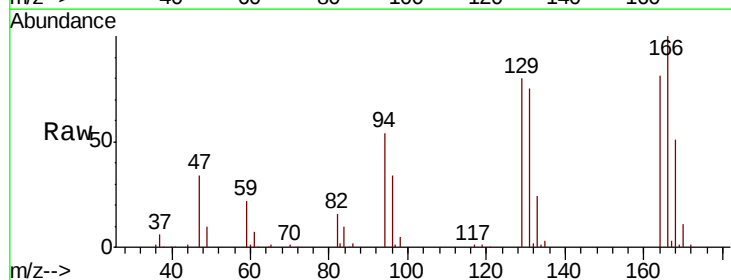
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 5.036 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion:	164	Resp:	82809
Ion	Ratio	Lower	Upper
164	100		
129	99.2	71.3	132.5
131	93.0	68.3	126.8
166	123.6	90.8	168.6



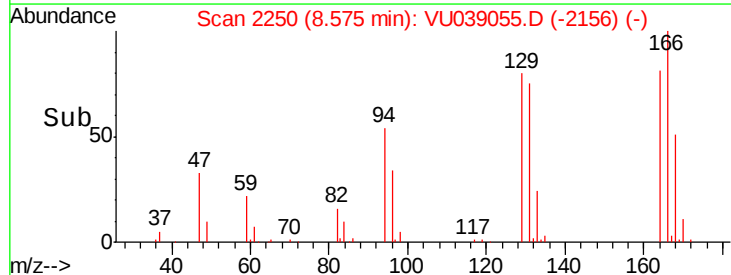
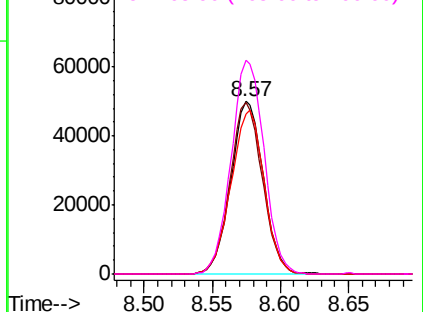
Abundance

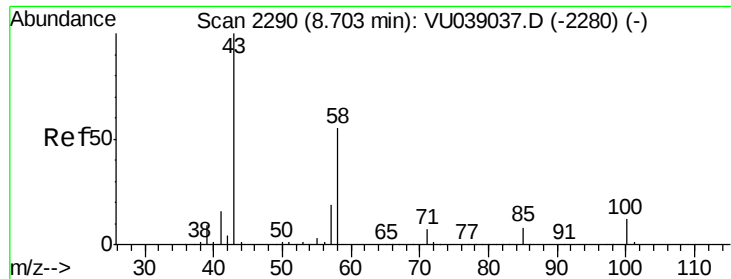
Ion 163.90 (163.60 to 164.60): V

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

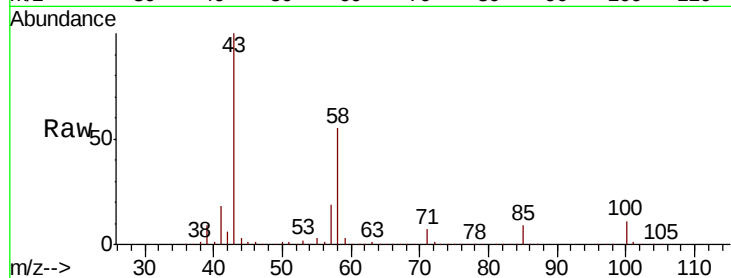




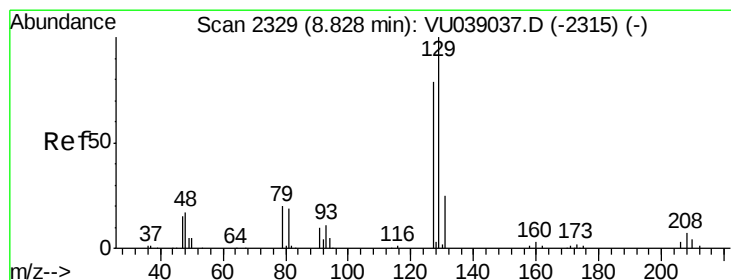
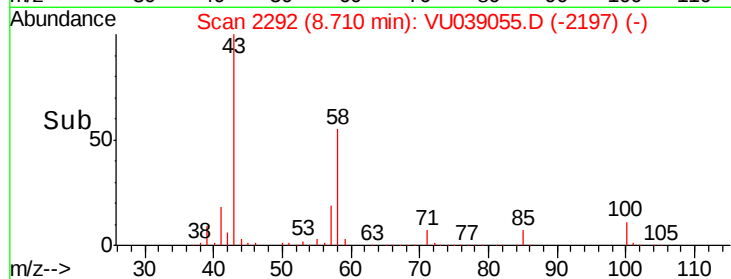
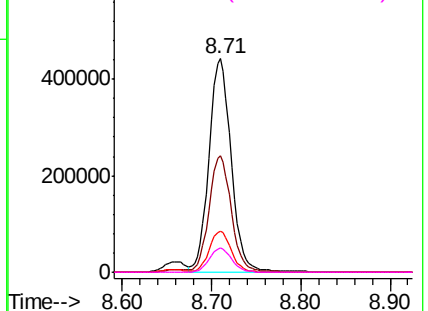
#48
2-Hexanone
Concen: 54.544 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 43 Resp: 762645
Ion Ratio Lower Upper
43 100
58 54.6 44.0 66.0
57 18.9 15.0 22.6
100 11.6 9.4 14.2

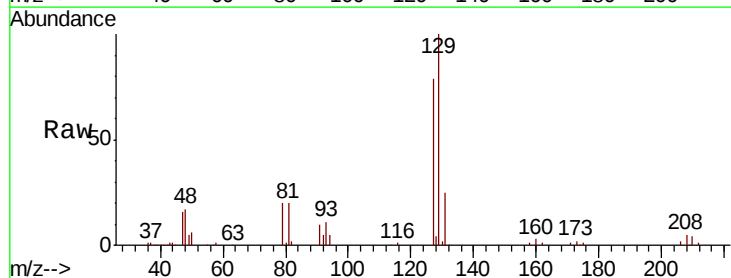


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

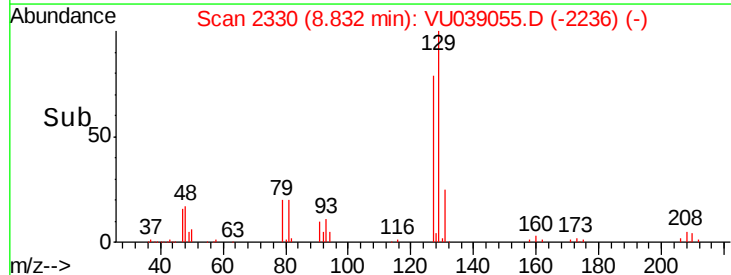
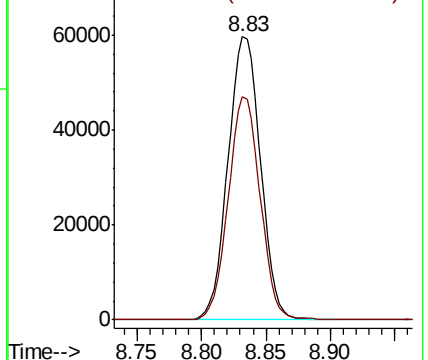


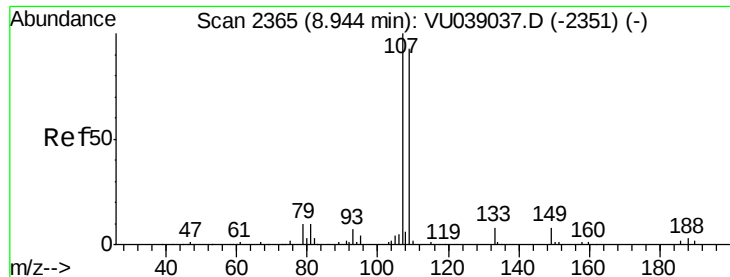
#49
Dibromochloromethane
Concen: 5.067 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion: 129 Resp: 104649
Ion Ratio Lower Upper
129 100
127 78.8 55.4 103.0



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

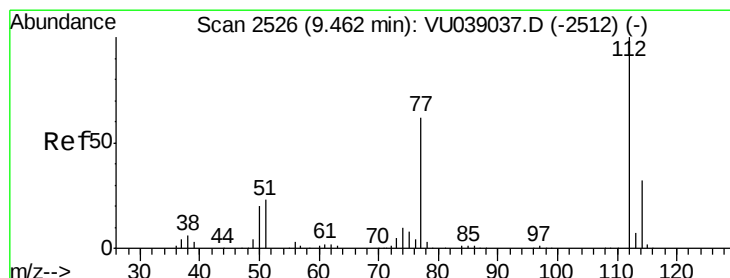
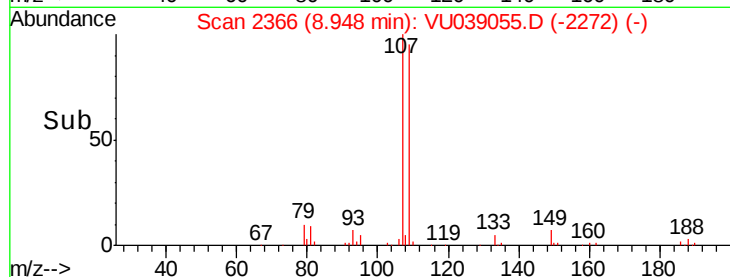
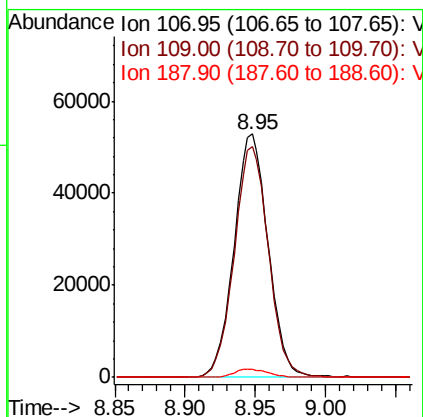
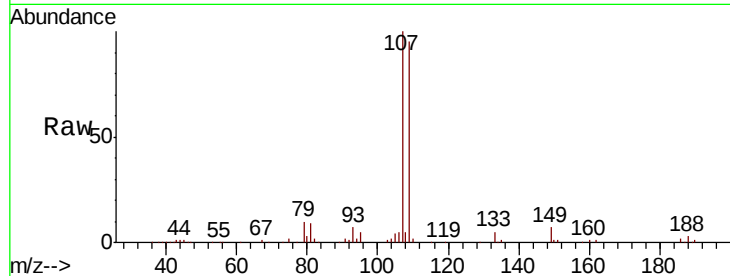




#50
1,2-Dibromoethane
Concen: 4.986 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

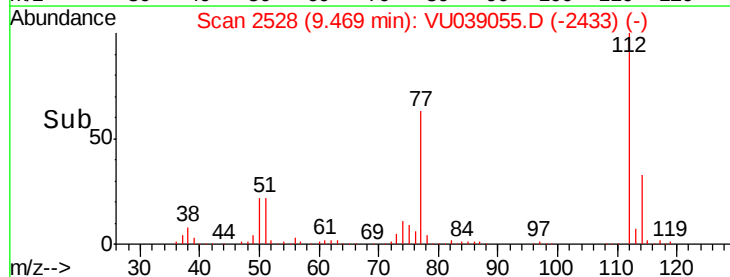
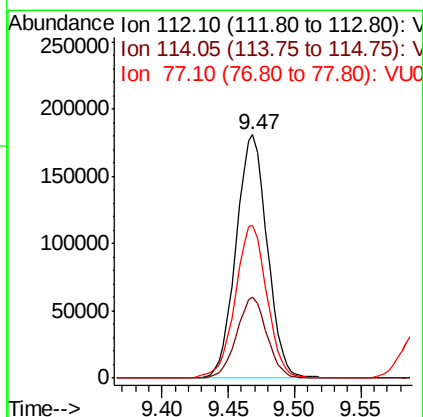
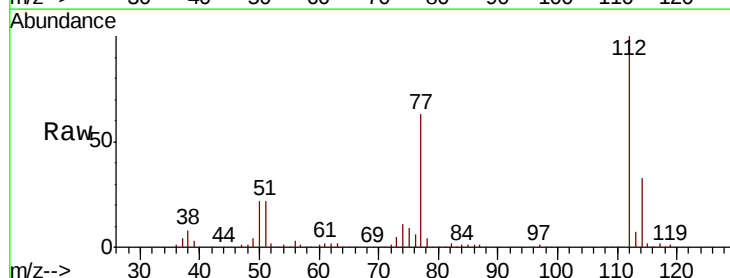
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

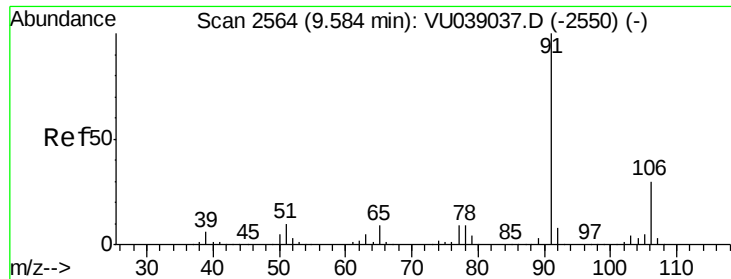
Tot Ion:107 Resp: 89534
Ion Ratio Lower Upper
107 100
109 94.9 64.8 120.4
188 3.3 2.4 3.6



#51
Chlorobenzene
Concen: 5.028 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.01 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion:112 Resp: 296337
Ion Ratio Lower Upper
112 100
114 33.1 22.0 41.0
77 62.6 50.2 75.4





#52

Ethylbenzene

Concen: 5.136 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

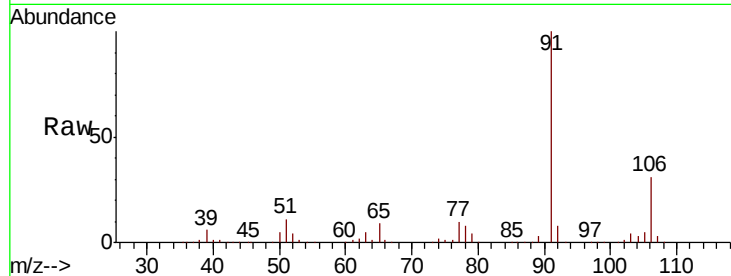
VSTD00513

Tot Ion: 91 Resp: 505422

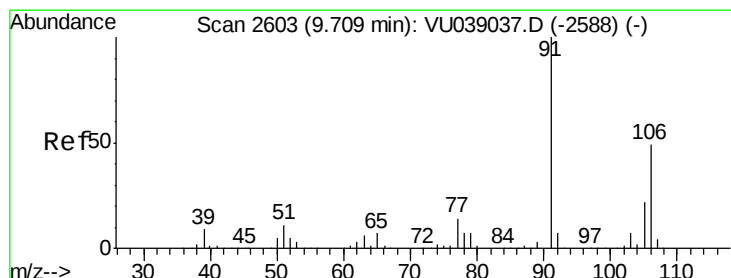
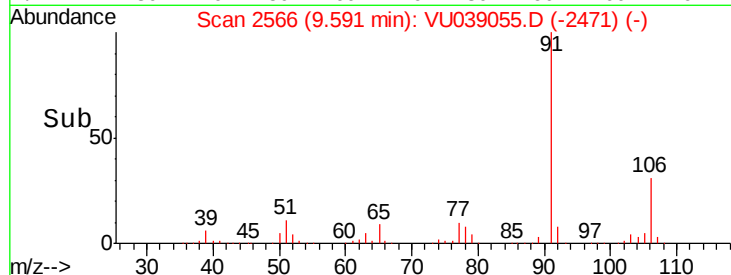
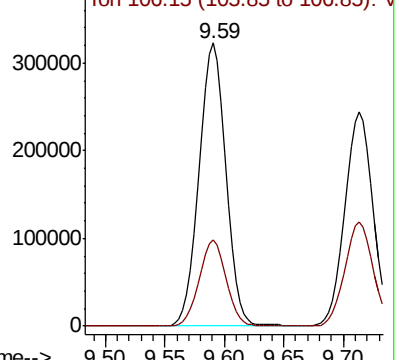
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039037.D (-2550) (-)



#53

m,p-Xylene

Concen: 5.377 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU039055.D

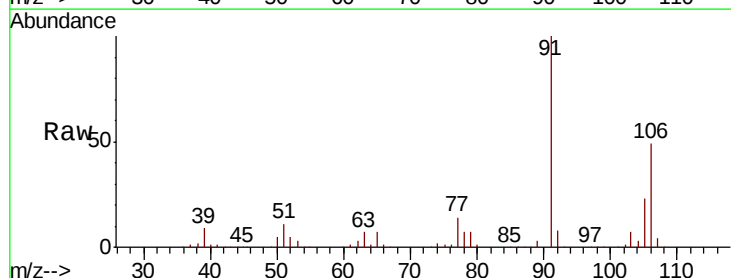
Acq: 24 Jun 2020 10:14

Tgt Ion: 106 Resp: 194583

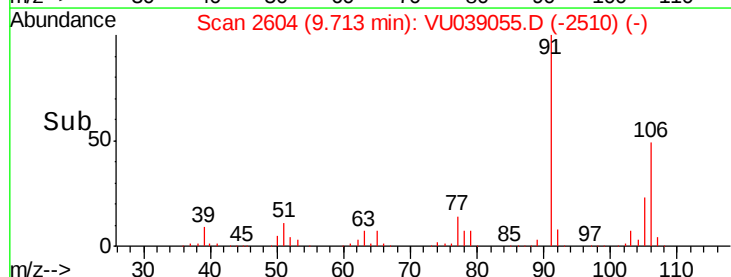
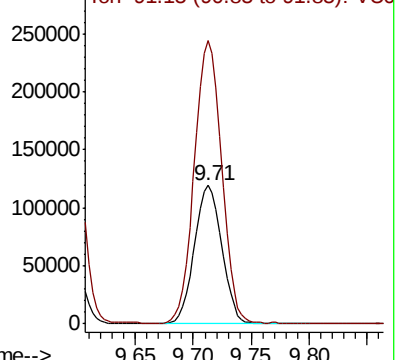
Ion Ratio Lower Upper

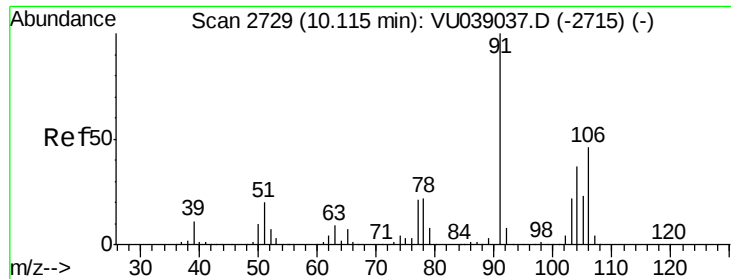
106 100

91 204.9 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039037.D (-2588) (-)

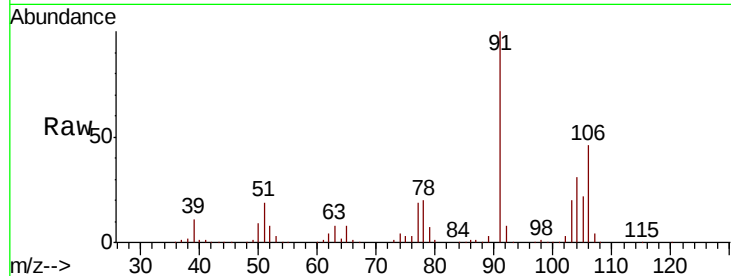




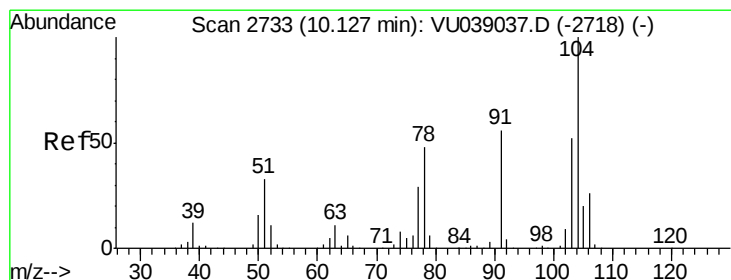
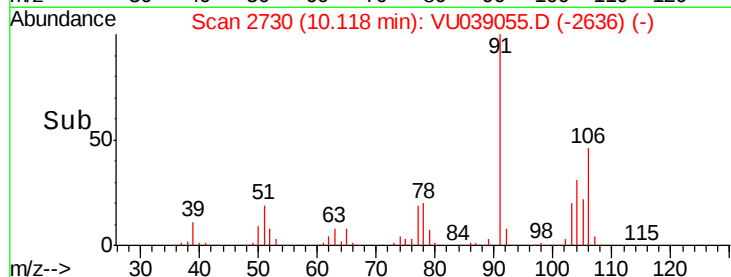
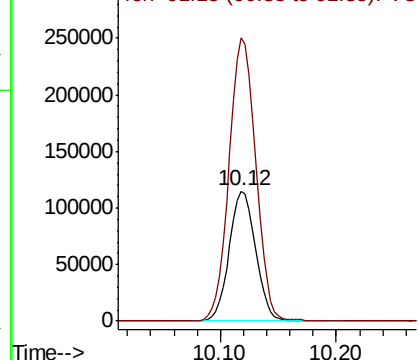
#54
o-Xylene
Concen: 5.223 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:106 Resp: 181559
Ion Ratio Lower Upper
106 100
91 217.7 153.5 285.1

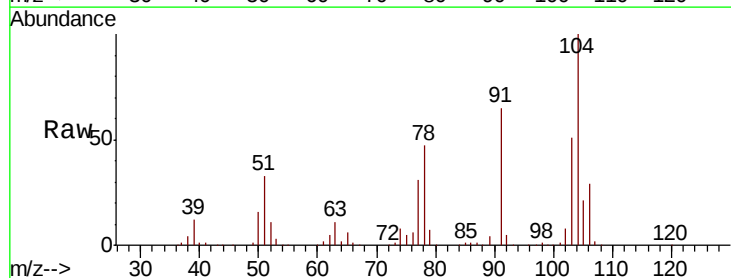


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

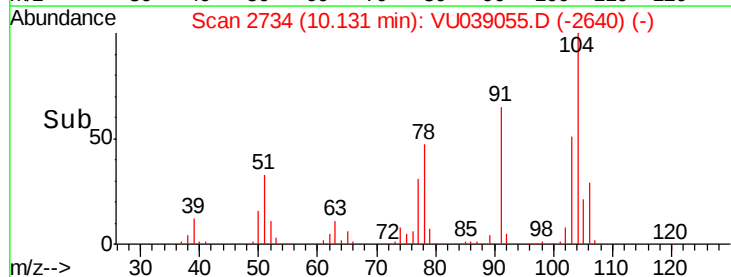
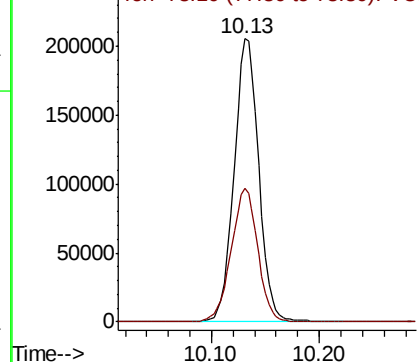


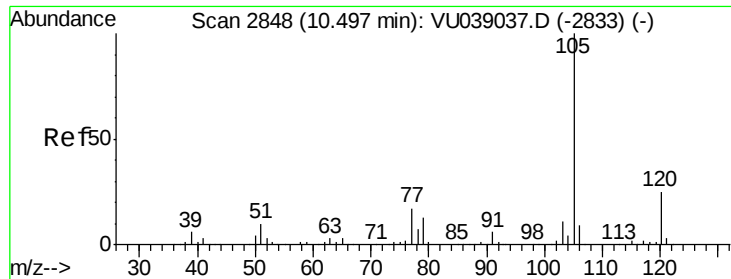
#55
Styrene
Concen: 5.364 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039055.D
Acq: 24 Jun 2020 10:14

Tgt Ion:104 Resp: 327489
Ion Ratio Lower Upper
104 100
78 47.2 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.360 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

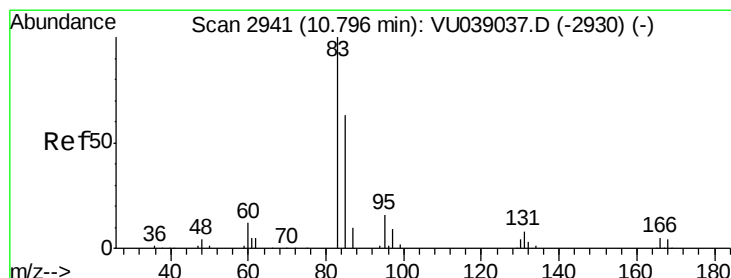
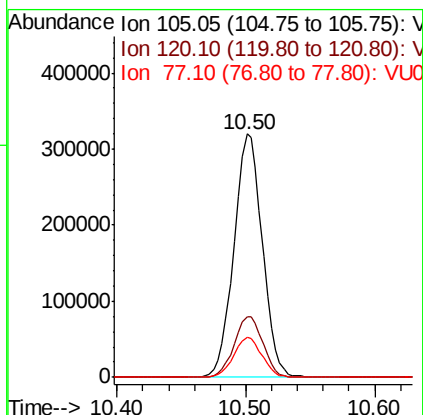
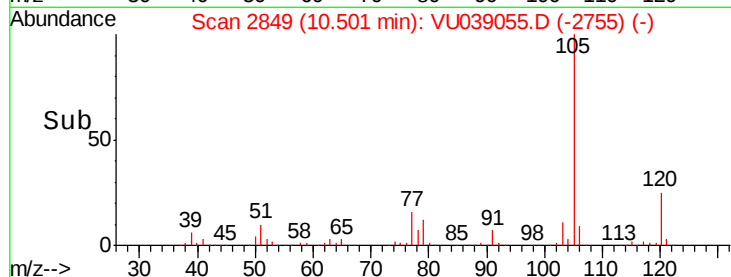
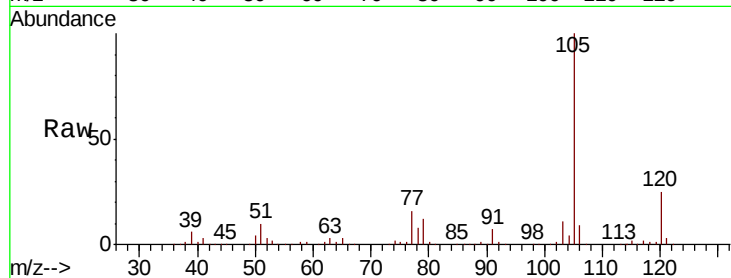
Tot Ion:105 Resp: 488175

Ion Ratio Lower Upper

105 100

120 25.4 19.9 29.9

77 16.3 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 4.888 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

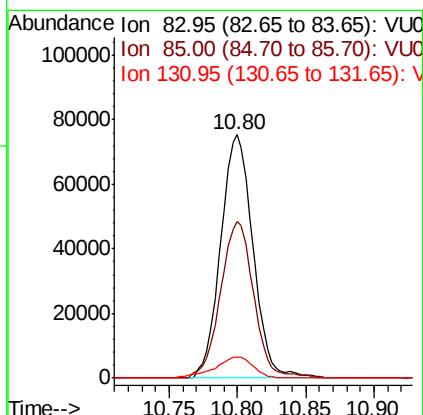
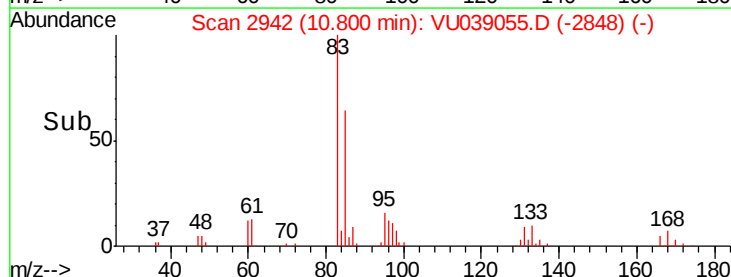
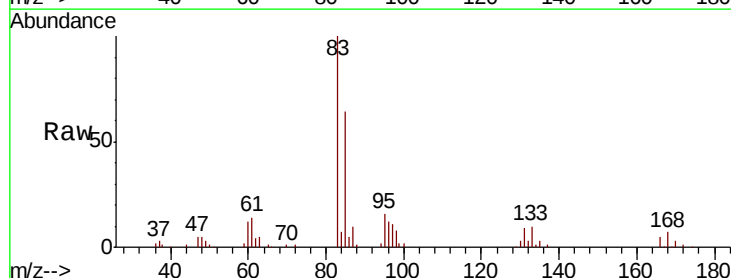
Tgt Ion: 83 Resp: 124140

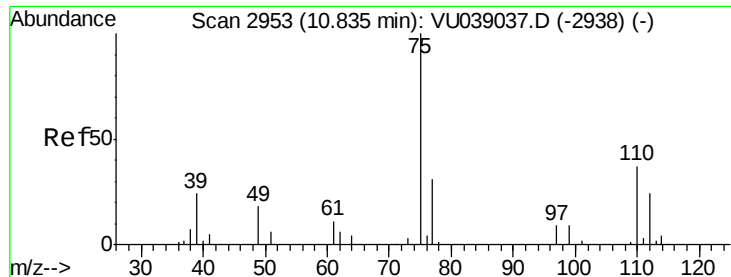
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

131 8.8 6.9 10.3

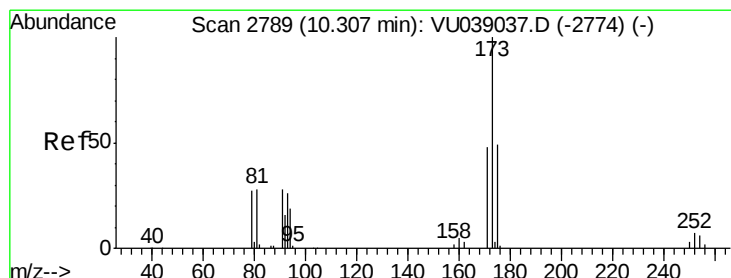
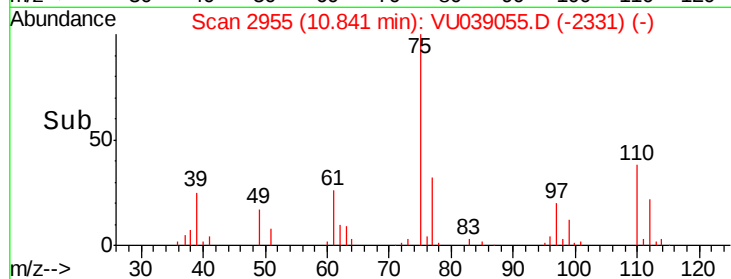
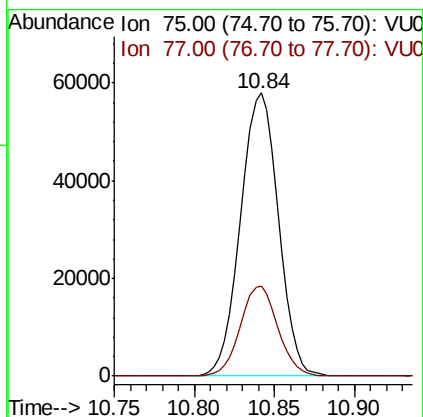
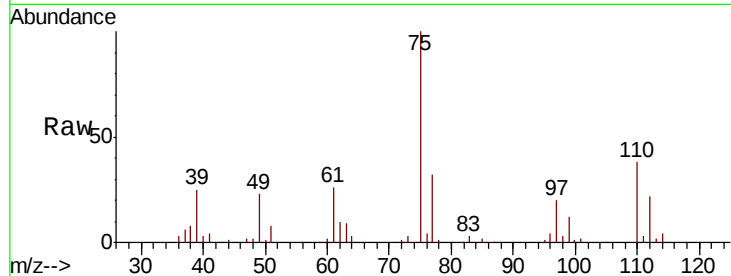




#59
 1,2,3-Trichloropropane
 Concen: 4.861 ug/L
 RT: 10.84 min Scan# 2955
 Delta R.T. 0.01 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

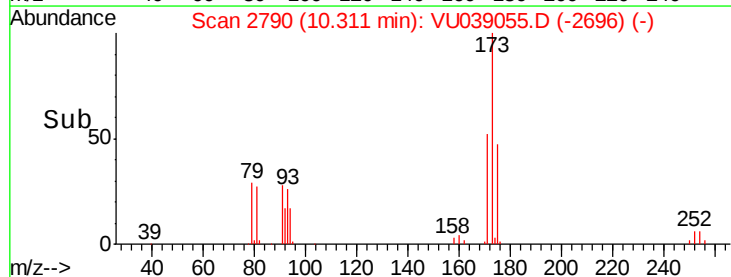
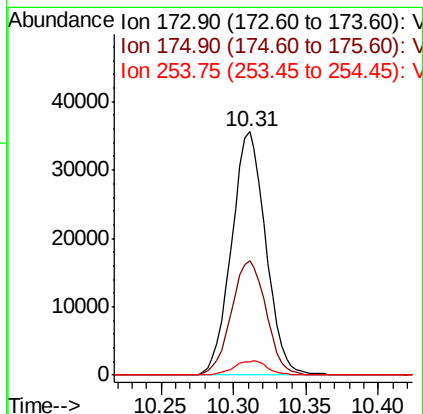
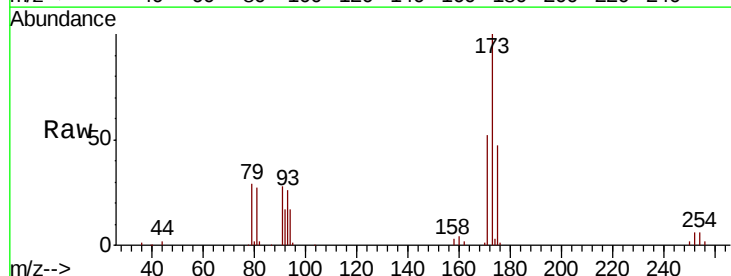
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

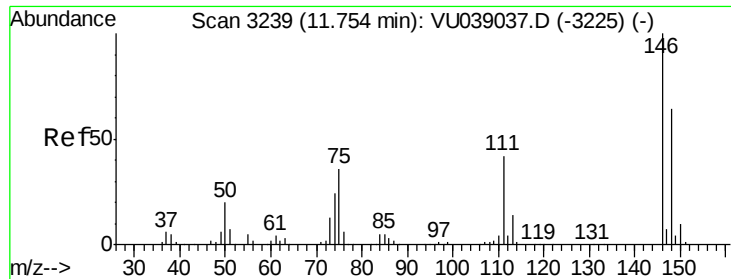
Tot Ion: 75 Resp: 93643
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.2 39.2



#61
 Bromoform
 Concen: 4.759 ug/L
 RT: 10.31 min Scan# 2790
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion: 173 Resp: 58255
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.3 58.9
 254 5.7 4.4 6.6

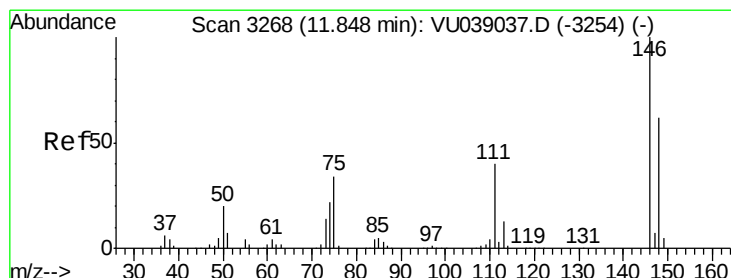
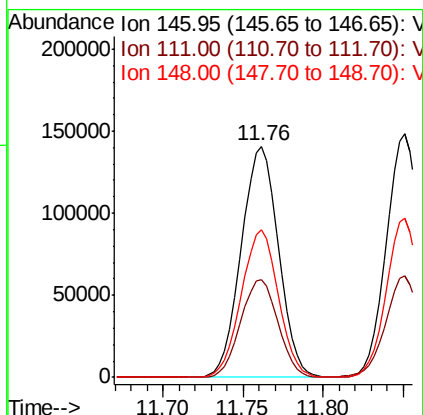
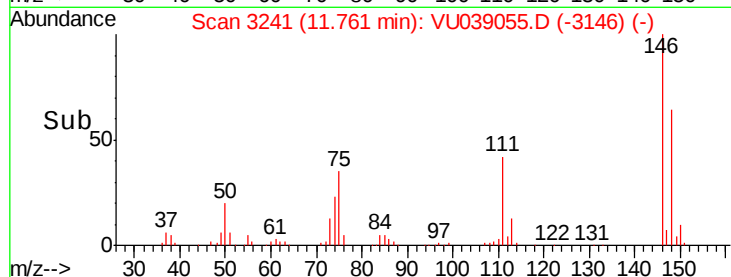
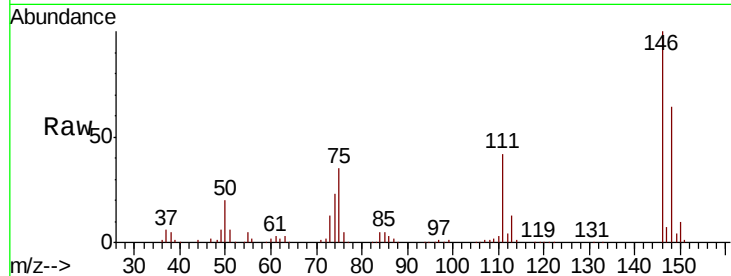




#62
 1,3-Dichlorobenzene
 Concen: 5.021 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.01 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

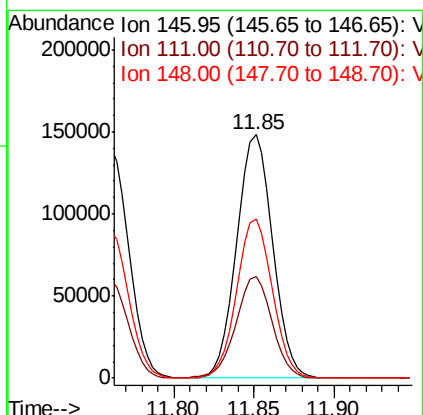
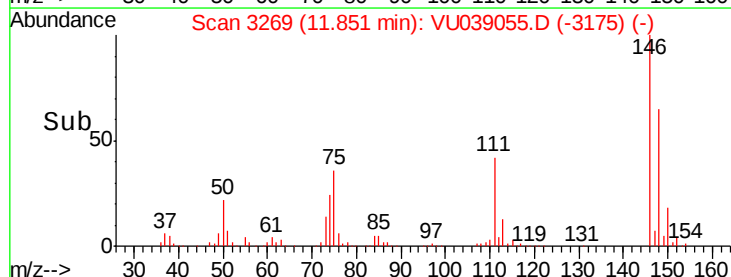
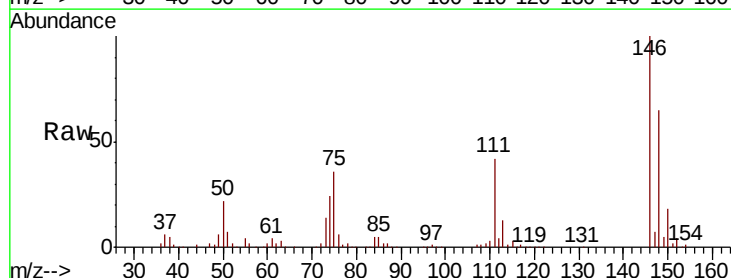
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

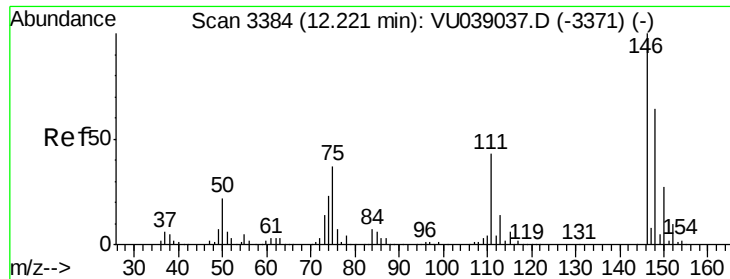
Tot Ion:146 Resp: 223728
 Ion Ratio Lower Upper
 146 100
 111 42.3 29.5 54.9
 148 63.7 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.942 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion:146 Resp: 226806
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.4 52.8
 148 65.3 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 4.830 ug/L

RT: 12.23 min Scan# 3386

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

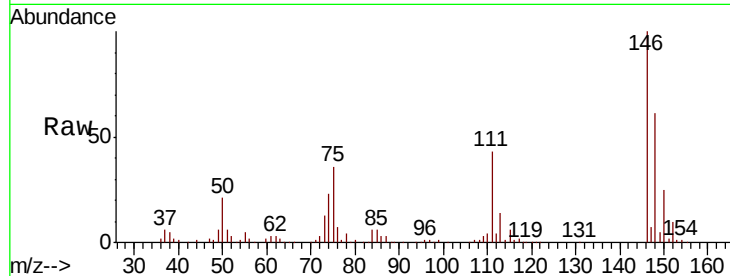
Tot Ion:146 Resp: 215773

Ion Ratio Lower Upper

146 100

111 43.3 34.7 52.1

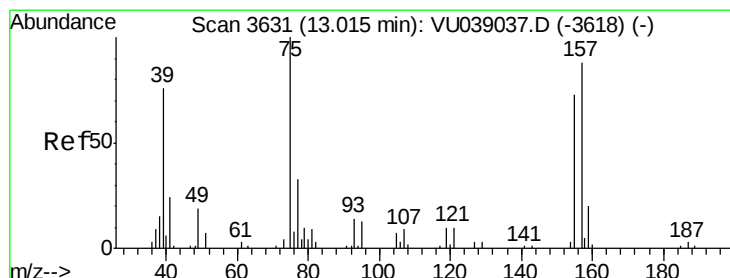
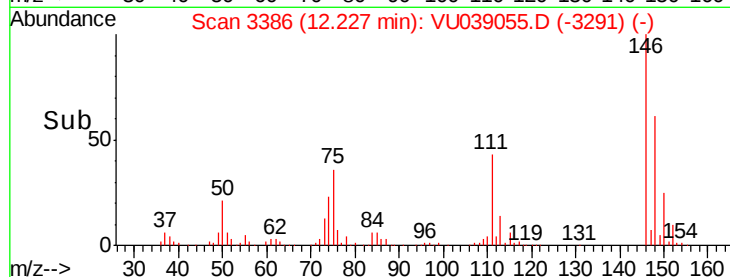
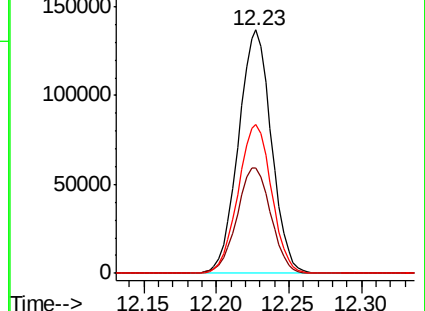
148 61.3 50.9 76.3



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: 4.702 ug/L

RT: 13.02 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

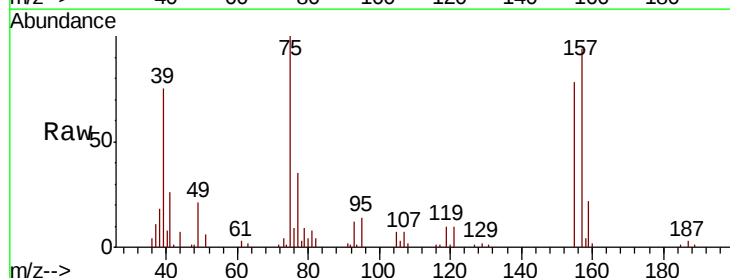
Tgt Ion: 75 Resp: 23174

Ion Ratio Lower Upper

75 100

155 78.0 58.6 88.0

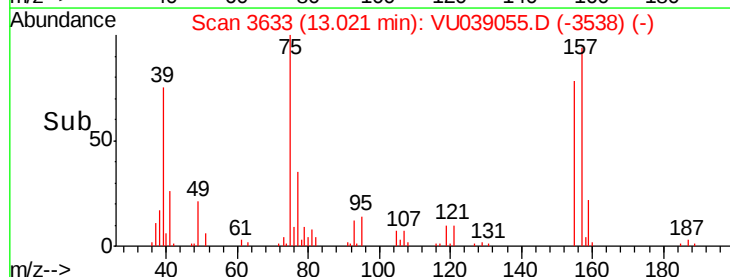
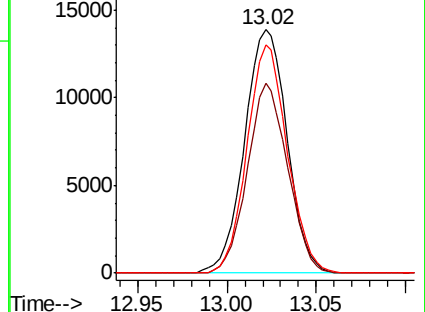
157 93.9 70.3 105.5

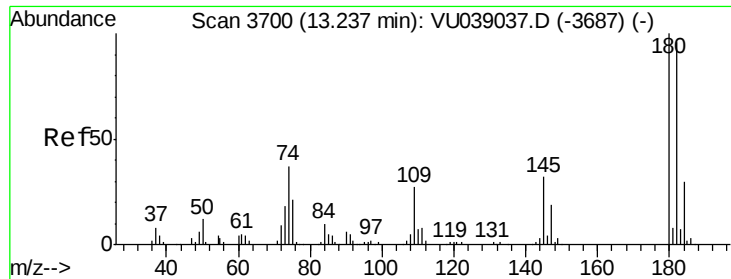


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

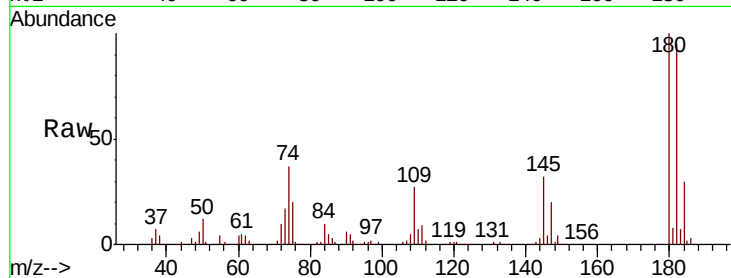




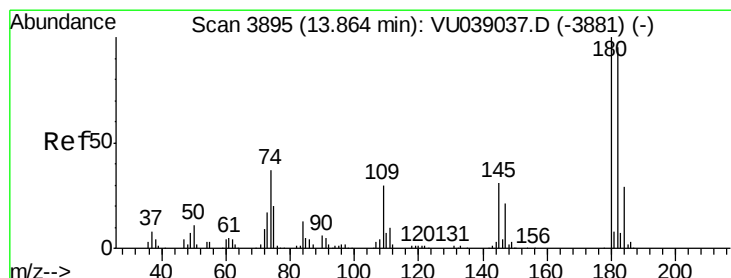
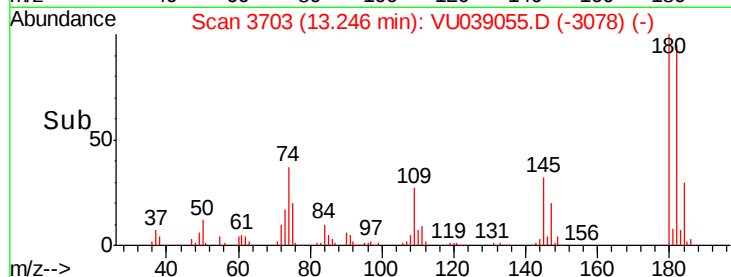
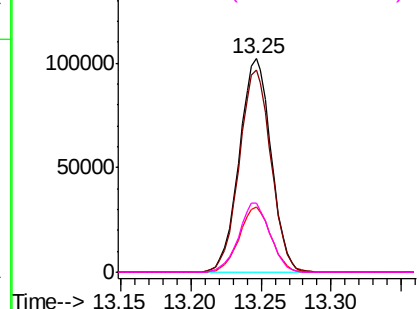
#67
 1,3,5-Trichlorobenzene
 Concen: 4.898 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. 0.01 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion:180	Resp:	161510
Ion	Ratio	Lower Upper
180	100	
182	94.6	76.3 114.5
184	30.4	24.2 36.4
145	31.7	25.2 37.8

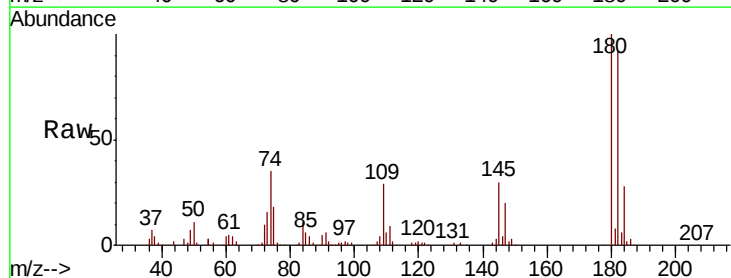


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

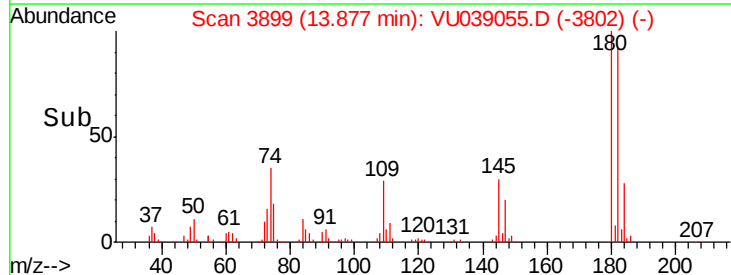
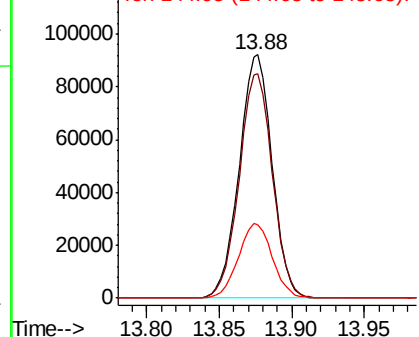


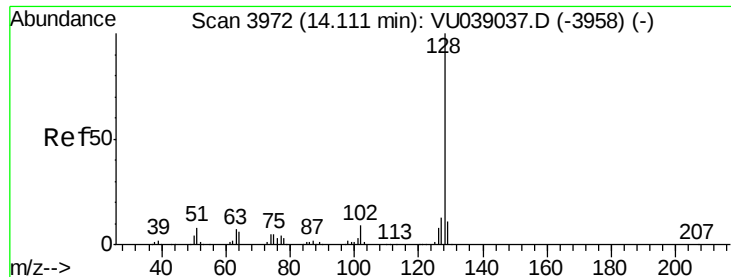
#68
 1,2,4-trichlorobenzene
 Concen: 4.829 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU039055.D
 Acq: 24 Jun 2020 10:14

Tgt Ion:180	Resp:	145066
Ion	Ratio	Lower Upper
180	100	
182	93.3	77.0 115.6
145	31.4	25.4 38.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.626 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

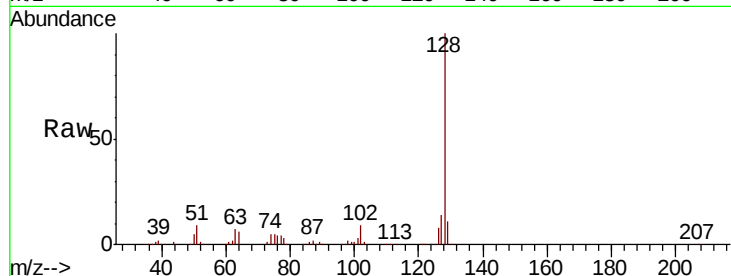
Tot Ion:128 Resp: 296446

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

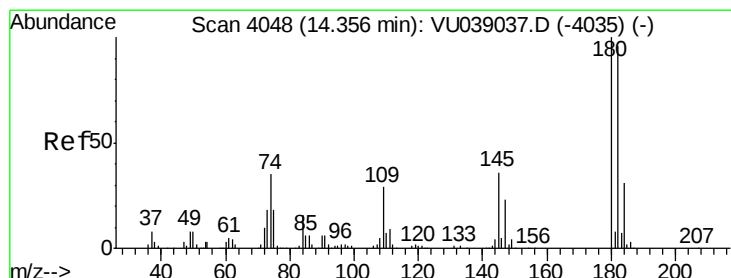
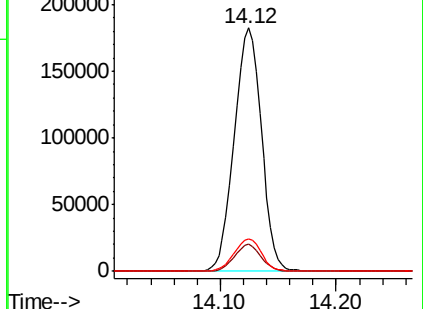
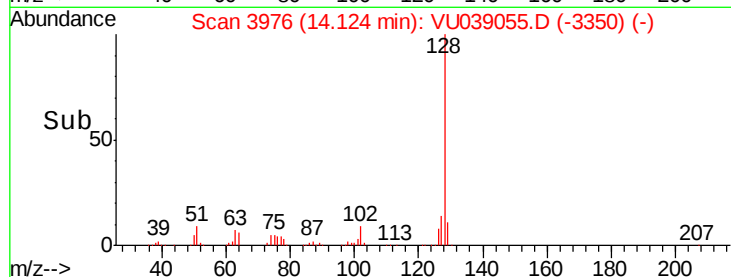
127 13.4 10.8 16.2



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: 4.812 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU039055.D

Acq: 24 Jun 2020 10:14

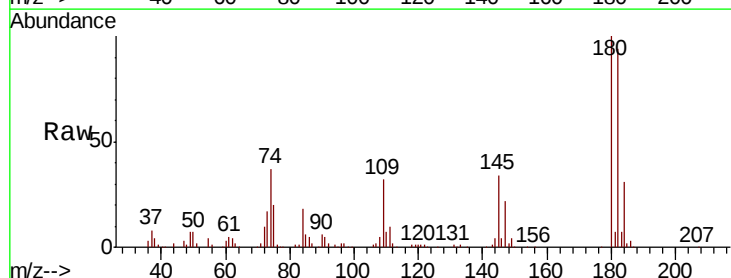
Tgt Ion:180 Resp: 139514

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 33.7 27.6 41.4



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

