

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011720\
 Data File : VU036508.D
 Acq On : 17 Jan 2020 09:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Quant Time: Jan 17 14:04:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 12:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	582769	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	563578	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	276466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	163723	43.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.66%
7) Chloroethane-d5	1.93	69	147936	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.46%
11) 1,1-Dichloroethene-d2	2.59	63	331422	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
21) 2-Butanone-d5	4.67	46	287495	88.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.50%
24) Chloroform-d	5.11	84	351410	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	5.74	65	227564	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
32) Benzene-d6	5.77	84	658671	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.38%
36) 1,2-Dichloropropane-d6	6.73	67	216651	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.40%
41) Toluene-d8	7.93	98	619994	44.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.94%
43) trans-1,3-Dichloropropene-	8.21	79	116808	45.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.46%
47) 2-Hexanone-d5	8.66	63	215424	87.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.70%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	333669	46.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.56%
64) 1,2-Dichlorobenzene-d4	12.21	152	244699	44.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.88%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	253947	47.02	ug/L	98
3) Chloromethane	1.54	50	224124	46.09	ug/L	99
5) Vinyl chloride	1.62	62	228083	47.25	ug/L	100
6) Bromomethane	1.87	94	139174	47.41	ug/L	99
8) Chloroethane	1.95	64	135311	47.39	ug/L	99
9) Trichlorofluoromethane	2.16	101	324418	49.35	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	178786	51.43	ug/L	98
12) 1,1-Dichloroethene	2.60	96	169739	49.28	ug/L	94
13) Acetone	2.66	43	294350	83.73	ug/L	99
14) Carbon disulfide	2.82	76	535814	48.10	ug/L	100
15) Methyl Acetate	2.98	43	216995	46.15	ug/L	100
16) Methylene chloride	3.08	84	201322	47.51	ug/L	97
17) trans-1,2-Dichloroethene	3.39	96	185438	49.11	ug/L	95
18) Methyl tert-butyl Ether	3.41	73	619360	48.13	ug/L	99
19) 1,1-Dichloroethane	3.92	63	348524	48.89	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	211855	48.93	ug/L	98
22) 2-Butanone	4.75	43	356242	89.29	ug/L	99

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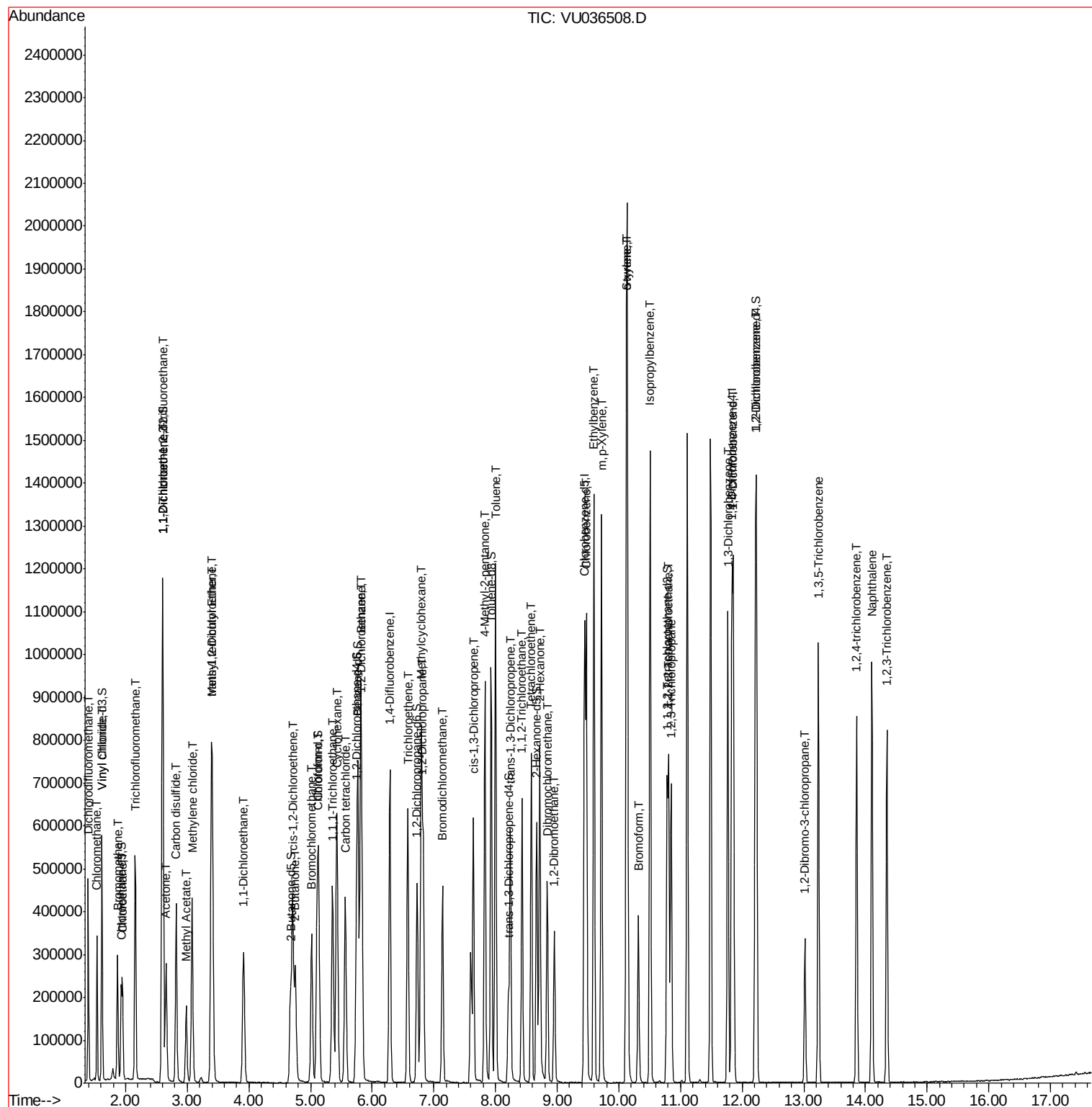
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	102426	48.97	ug/L	96
25) Chloroform	5.13	83	368302	48.44	ug/L	99
27) 1,2-Dichloroethane	5.84	62	292994	48.66	ug/L	99
29) Cyclohexane	5.43	56	321656	47.59	ug/L	96
30) 1,1,1-Trichloroethane	5.36	97	330633	49.40	ug/L	99
31) Carbon tetrachloride	5.57	117	286560	49.95	ug/L	96
33) Benzene	5.81	78	782674	48.33	ug/L	100
34) Trichloroethene	6.58	95	210328	48.10	ug/L	94
35) Methylcyclohexane	6.80	83	344540	51.18	ug/L	99
37) 1,2-Dichloropropane	6.83	63	206663	48.15	ug/L	100
38) Bromodichloromethane	7.14	83	288597	48.86	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	349062	50.24	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	613860	88.91	ug/L	99
42) Toluene	8.00	91	866137	49.24	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	313622	48.73	ug/L	98
45) 1,1,2-Trichloroethane	8.43	97	196884	47.99	ug/L	97
46) Tetrachloroethene	8.58	164	149173	50.71	ug/L	93
48) 2-Hexanone	8.72	43	489233	89.59	ug/L	99
49) Dibromochloromethane	8.84	129	231994	50.84	ug/L	98
50) 1,2-Dibromoethane	8.95	107	226608	48.73	ug/L	97
51) Chlorobenzene	9.47	112	553466	50.04	ug/L	99
52) Ethylbenzene	9.60	91	980872	49.93	ug/L	99
53) m,p-Xylene	9.72	106	372237	50.67	ug/L	97
54) o-xylene	10.12	106	362082	49.37	ug/L	98
55) Styrene	10.14	104	617237	51.89	ug/L	100
56) Isopropylbenzene	10.51	105	963353	51.18	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	345512	48.43	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	273326	46.18	ug/L	97
61) Bromoform	10.32	173	165316	43.91	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	426765	49.02	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	426343	48.74	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	417174	48.58	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	85771	45.42	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	284662	54.07	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	228759	58.97	ug/L	95
69) Naphthalene	14.10	128	758542	57.86	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	224141	55.69	ug/L	100

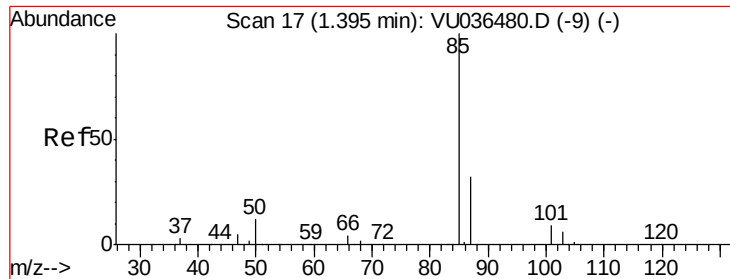
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 47.02 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

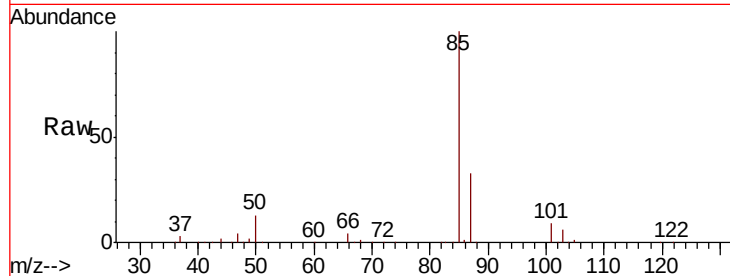
VSTD05045

Tgt Ion: 85 Resp: 253947

Ion Ratio Lower Upper

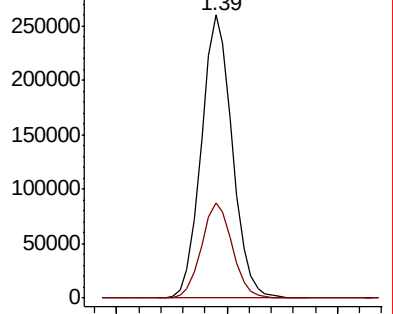
85 100

87 33.4 25.8 38.8

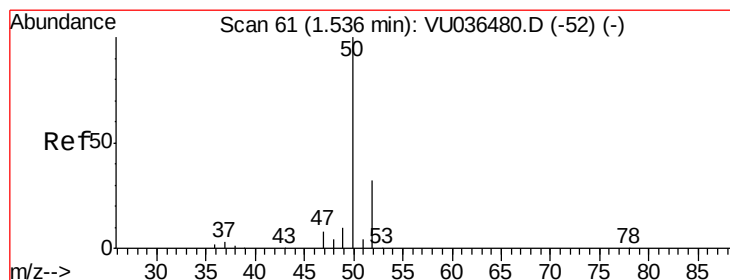
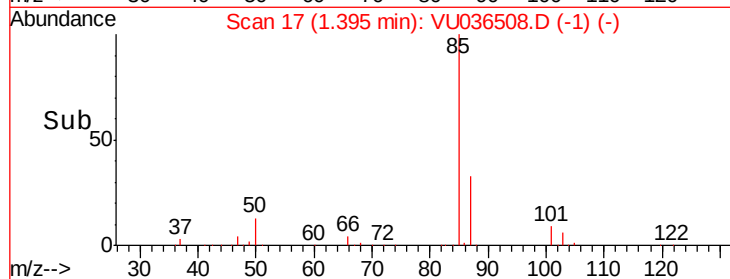


Abundance Ion 85.00 (84.70 to 85.70): VU036480.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036480.D (-9) (-)



Time-->



#3

Chloromethane

Concen: 46.09 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036508.D

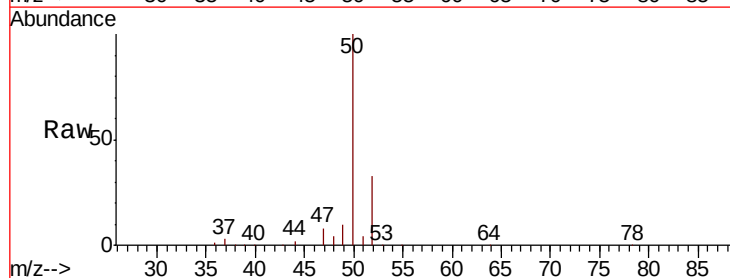
Acq: 17 Jan 2020 09:42

Tgt Ion: 50 Resp: 224124

Ion Ratio Lower Upper

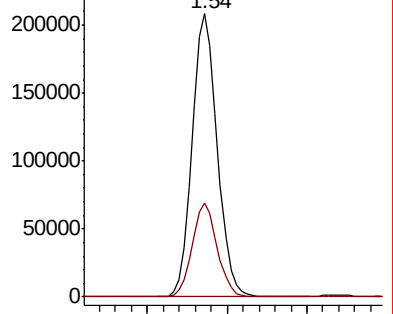
50 100

52 33.3 22.8 42.4

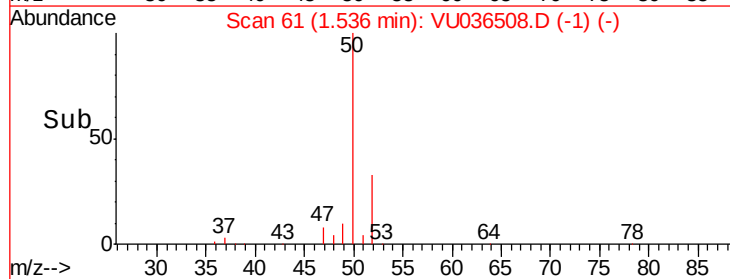


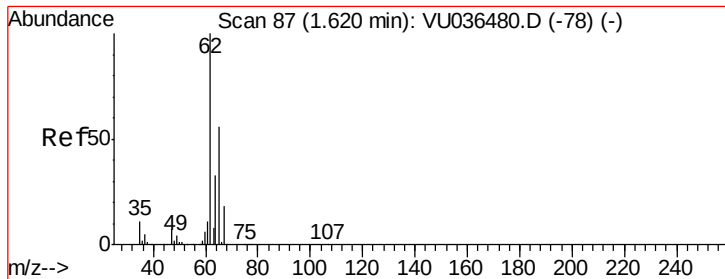
Abundance Ion 50.00 (49.70 to 50.70): VU036480.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU036480.D (-52) (-)



Time-->





#5

Vinyl chloride

Concen: 47.25 ug/L

RT: 1.62 min Scan# 87

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

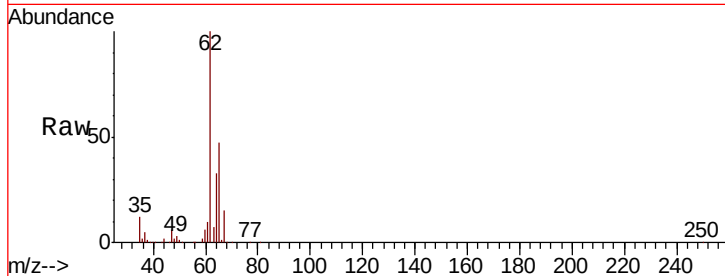
VSTD05045

Tgt Ion: 62 Resp: 228083

Ion Ratio Lower Upper

62 100

64 32.7 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036480.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036480.D (-78) (-)

1.62

200000

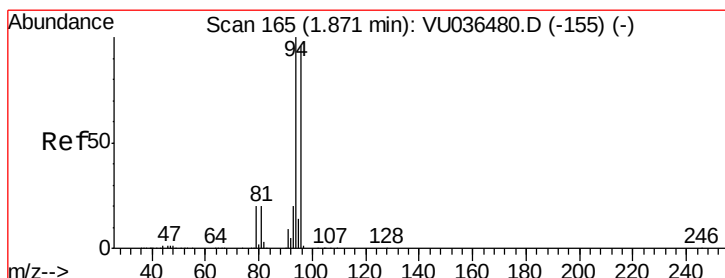
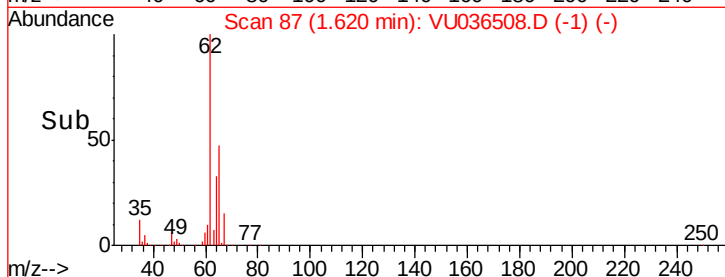
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 47.41 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU036508.D

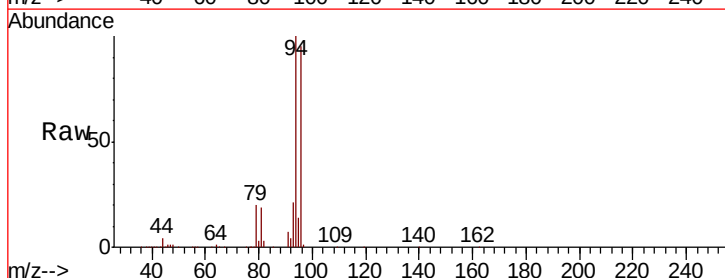
Acq: 17 Jan 2020 09:42

Tgt Ion: 94 Resp: 139174

Ion Ratio Lower Upper

94 100

96 95.3 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036480.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036480.D (-155) (-)

1.87

100000

80000

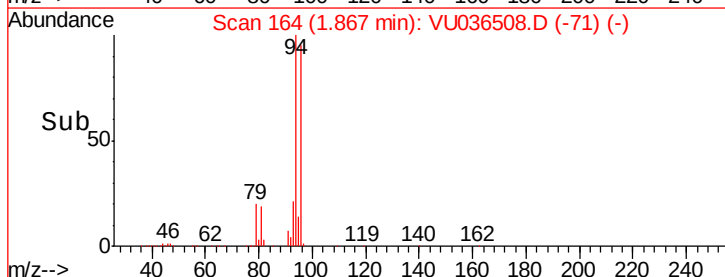
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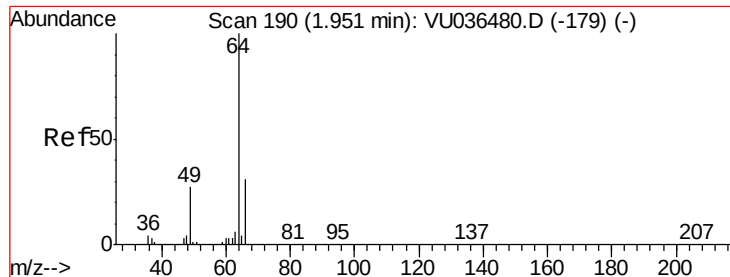
40000

20000

0

Time-->





#8

Chloroethane

Concen: 47.39 ug/L

RT: 1.95 min Scan# 190

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

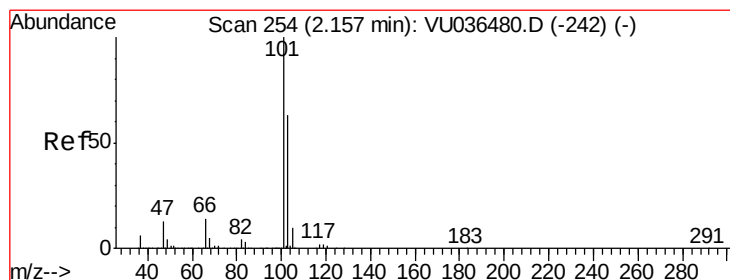
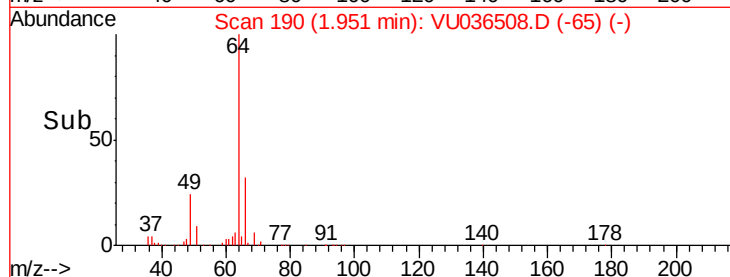
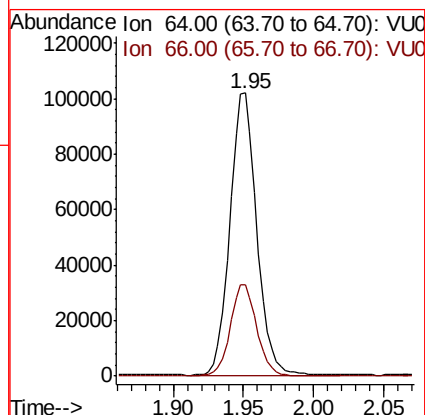
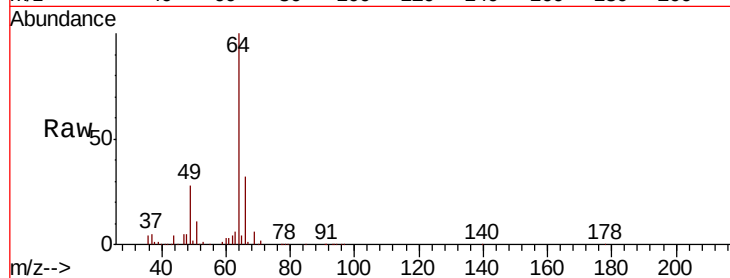
VSTD05045

Tgt Ion: 64 Resp: 135311

Ion Ratio Lower Upper

64 100

66 32.2 23.1 42.9



#9

Trichlorofluoromethane

Concen: 49.35 ug/L

RT: 2.16 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU036508.D

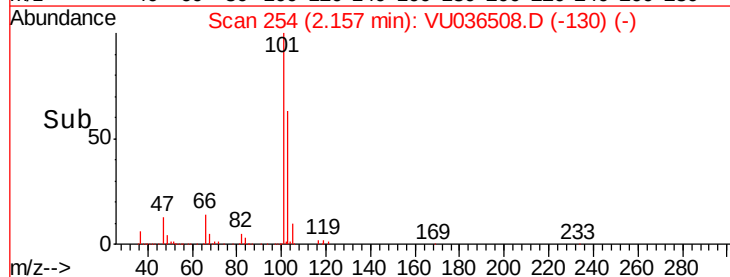
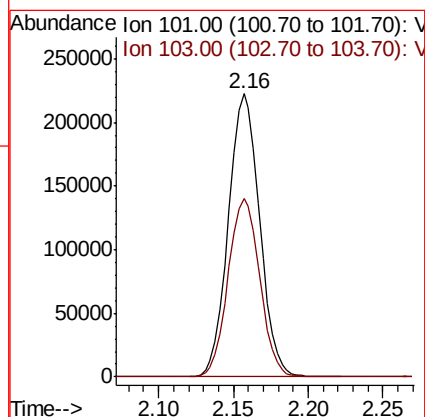
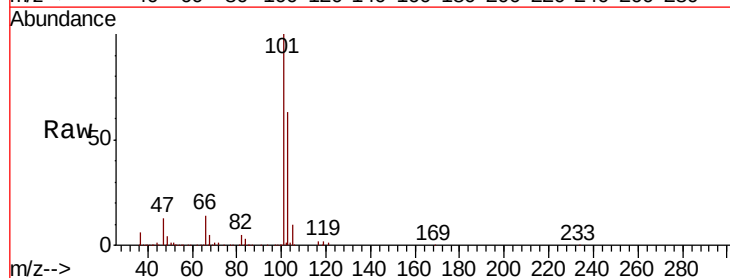
Acq: 17 Jan 2020 09:42

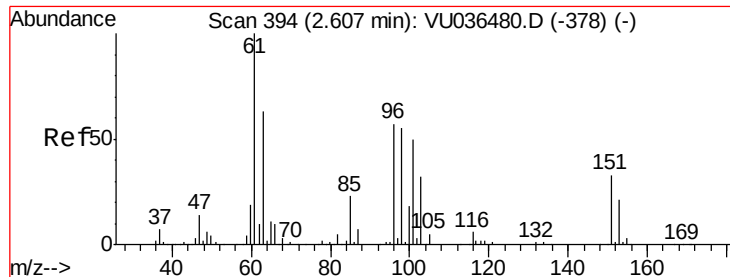
Tgt Ion: 101 Resp: 324418

Ion Ratio Lower Upper

101 100

103 63.7 52.0 78.0





#10

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

Concen: 51.43 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

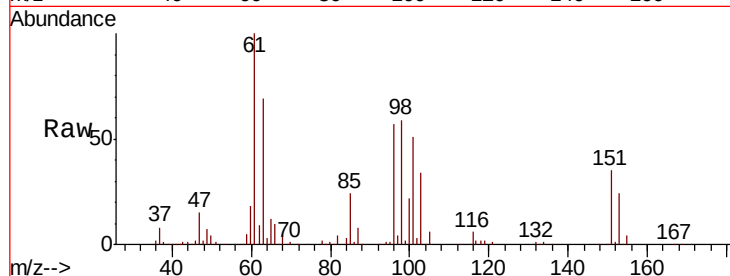
Tgt Ion: 101 Resp: 178786

Ion Ratio Lower Upper

101 100

85 46.3 36.7 55.1

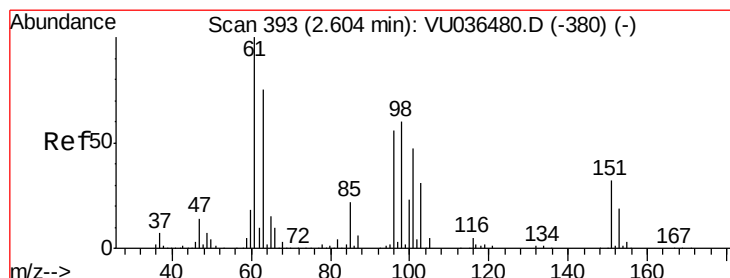
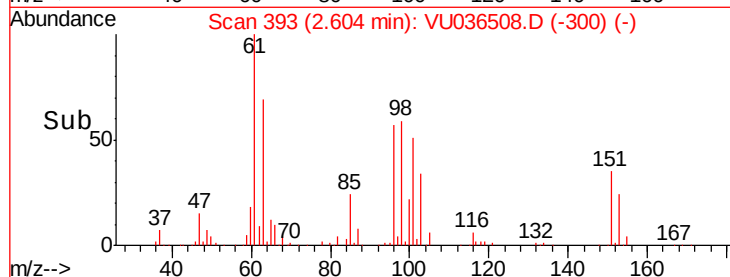
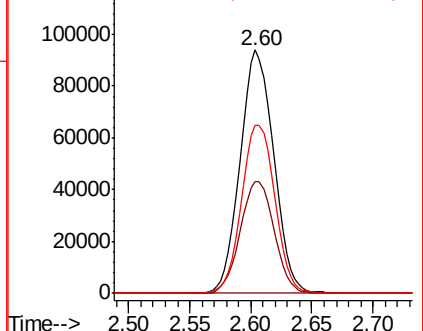
151 68.6 53.3 79.9



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: 49.28 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

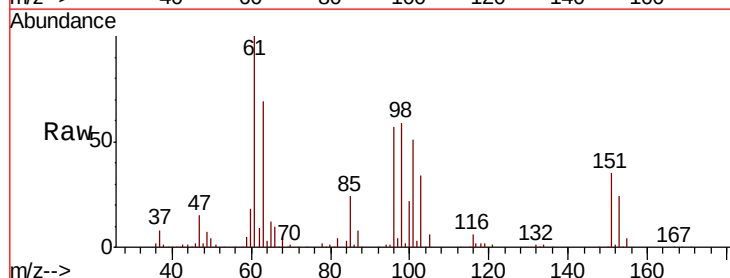
Tgt Ion: 96 Resp: 169739

Ion Ratio Lower Upper

96 100

61 175.5 128.2 238.2

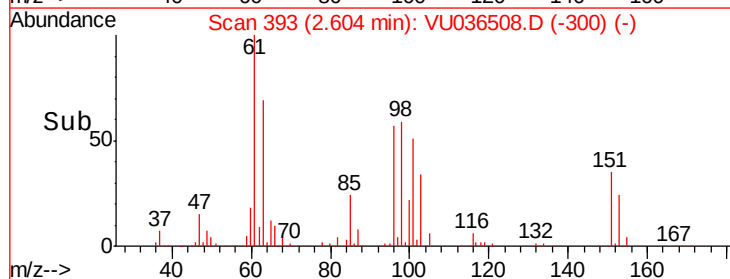
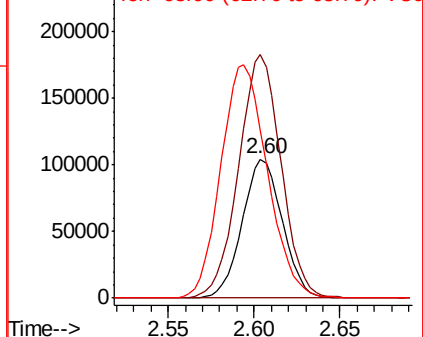
63 120.9 79.1 146.9

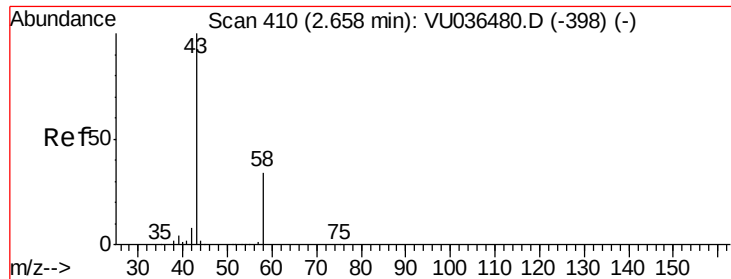


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 83.73 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036508.D

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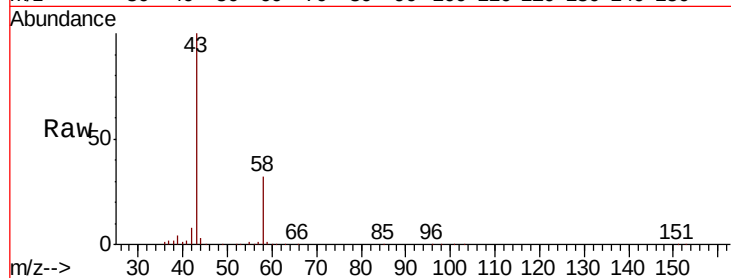
VSTD05045

Tgt Ion: 43 Resp: 294350

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036480.D (-398) (-)

Ion 58.00 (57.70 to 58.70): VU036480.D (-398) (-)

200000

150000

100000

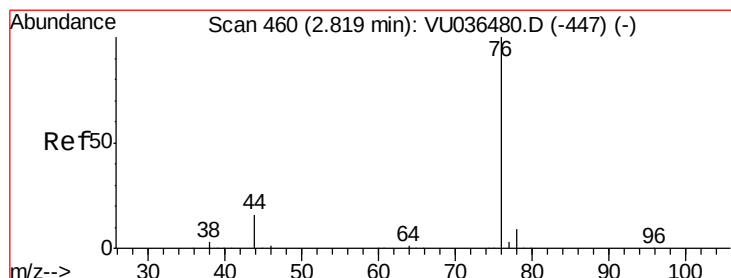
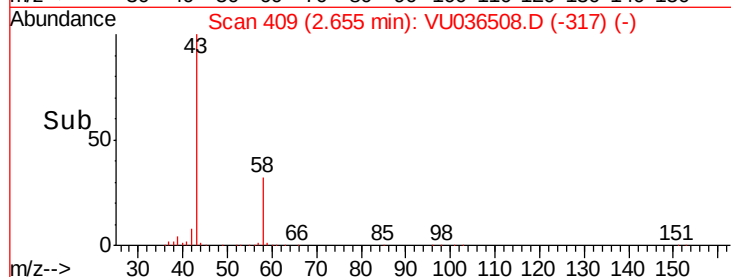
50000

0

2.66

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 48.10 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU036508.D

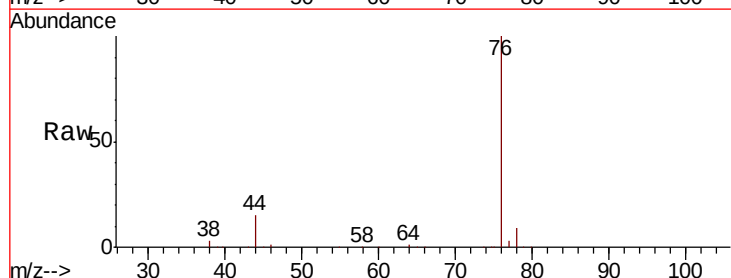
Acq: 17 Jan 2020 09:42

Tgt Ion: 76 Resp: 535814

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036480.D (-447) (-)

Ion 78.00 (77.70 to 78.70): VU036480.D (-447) (-)

300000

200000

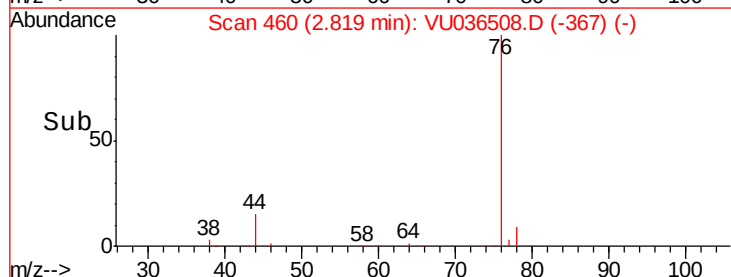
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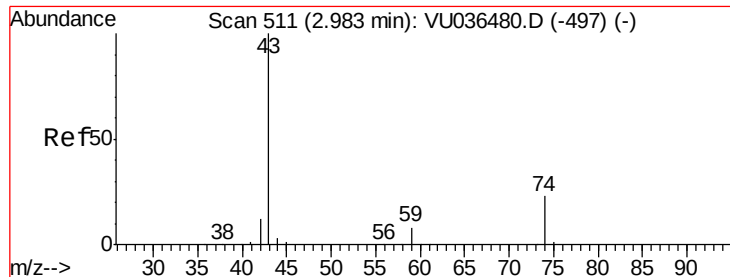
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2.82

2.75 2.80 2.85 2.90 2.95

Time-->

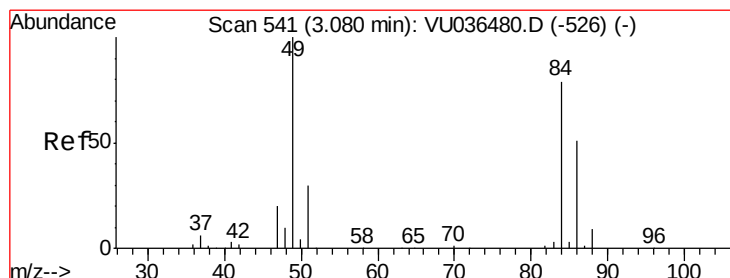
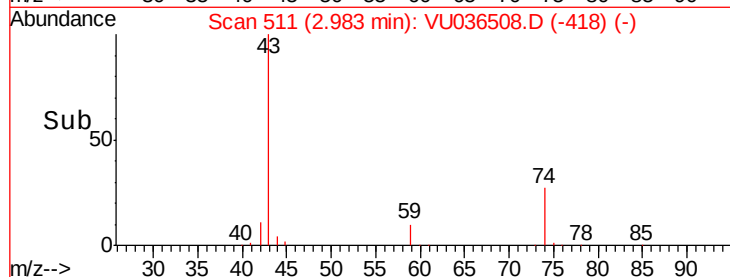
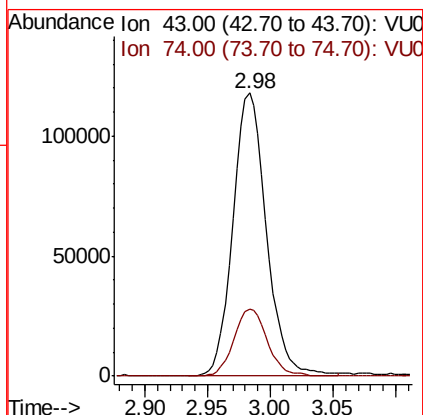
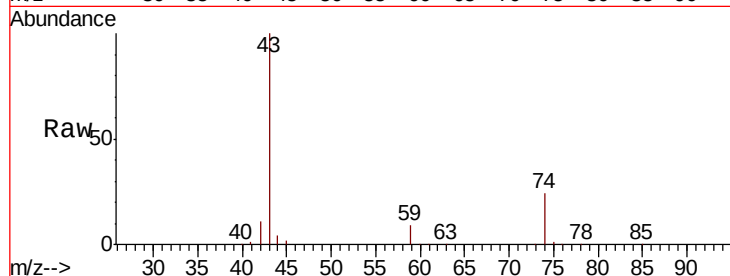




#15
Methyl Acetate
Concen: 46.15 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

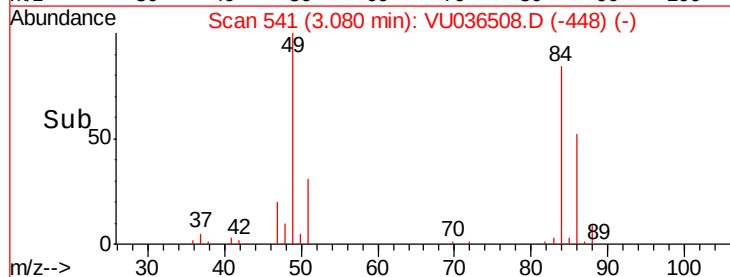
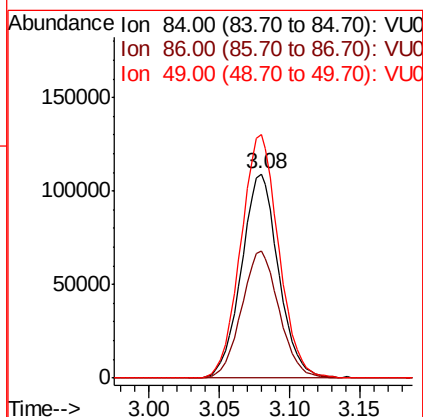
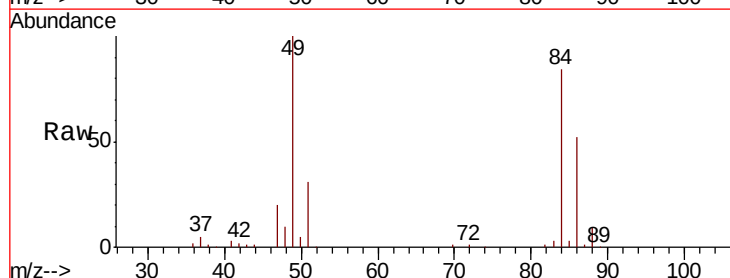
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

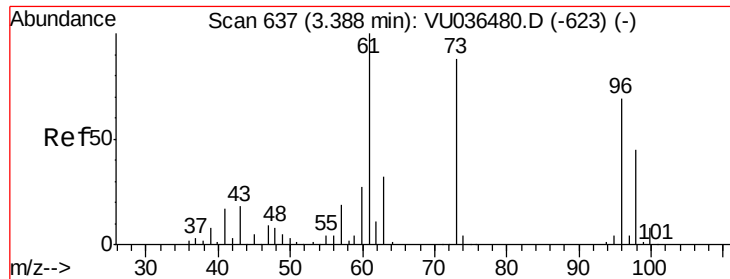
Tgt Ion: 43 Resp: 216995
Ion Ratio Lower Upper
43 100
74 23.9 19.0 28.4



#16
Methylene chloride
Concen: 47.51 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion: 84 Resp: 201322
Ion Ratio Lower Upper
84 100
86 62.1 46.4 86.2
49 119.4 84.5 156.9





#17

trans-1,2-Dichloroethene

Concen: 49.11 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

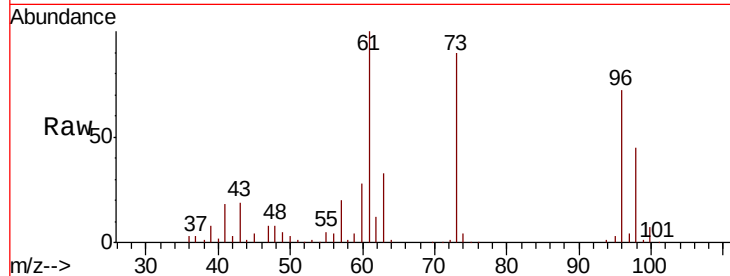
Tgt Ion: 96 Resp: 185438

Ion Ratio Lower Upper

96 100

61 139.5 102.8 191.0

98 63.0 44.9 83.5

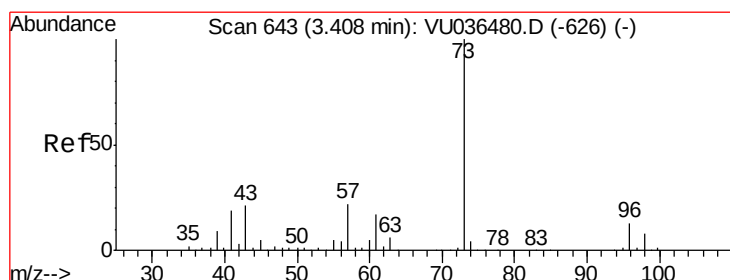
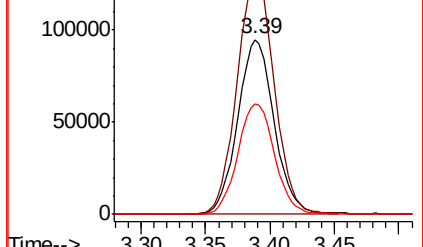
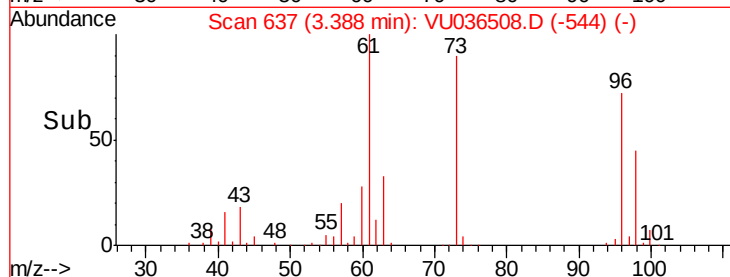


Abundance Ion 96.00 (95.70 to 96.70): VU036480.D (-623) (-)

Ion 61.00 (60.70 to 61.70): VU036480.D (-623) (-)

Ion 98.00 (97.70 to 98.70): VU036480.D (-623) (-)

3.39



#18

Methyl tert-butyl Ether

Concen: 48.13 ug/L

RT: 3.41 min Scan# 643

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

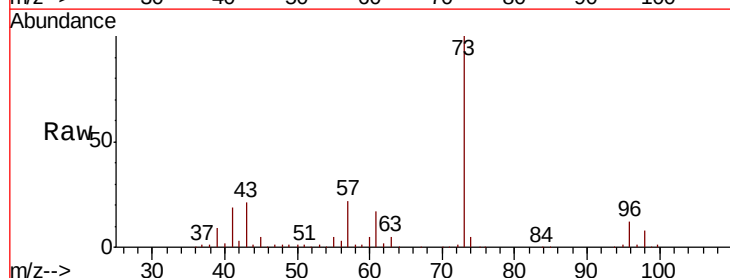
Tgt Ion: 73 Resp: 619360

Ion Ratio Lower Upper

73 100

43 20.7 16.6 25.0

57 22.0 17.0 25.6

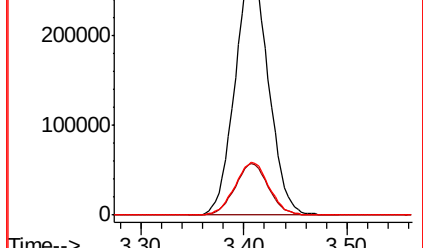
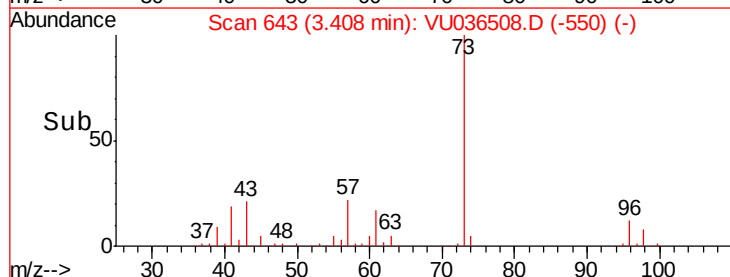


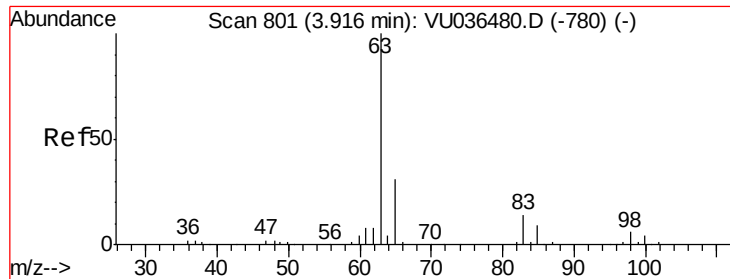
Abundance Ion 73.00 (72.70 to 73.70): VU036480.D (-626) (-)

Ion 43.00 (42.70 to 43.70): VU036480.D (-626) (-)

Ion 57.00 (56.70 to 57.70): VU036480.D (-626) (-)

3.41

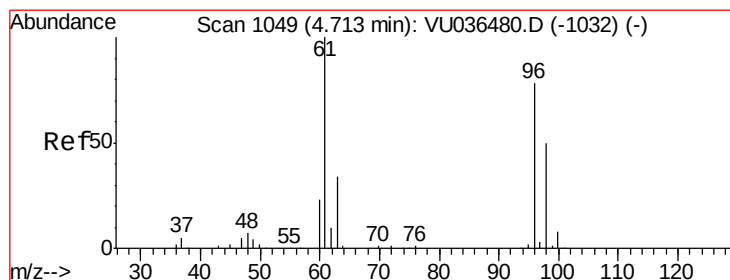
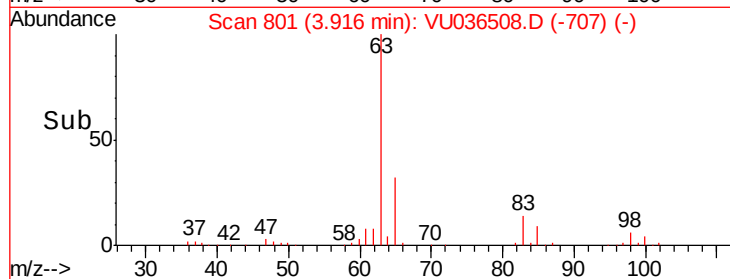
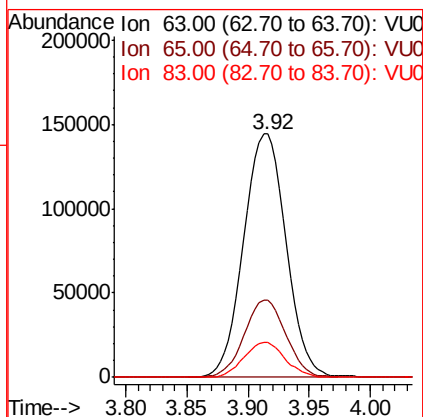
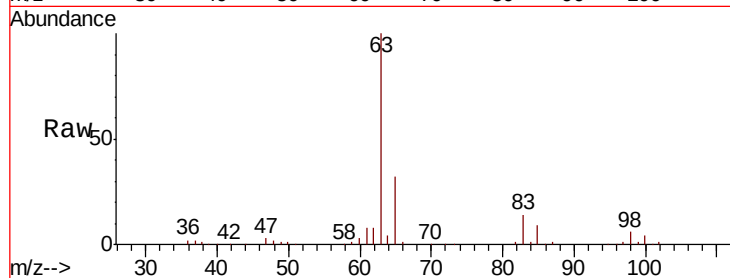




#19
 1,1-Dichloroethane
 Concen: 48.89 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

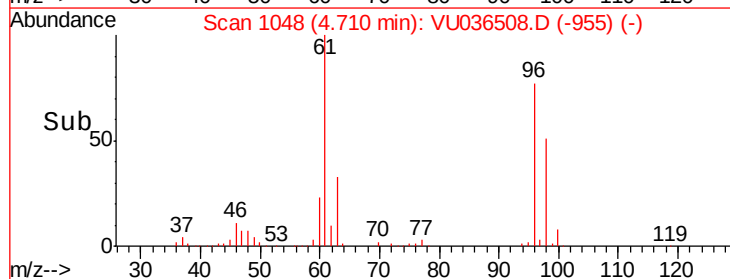
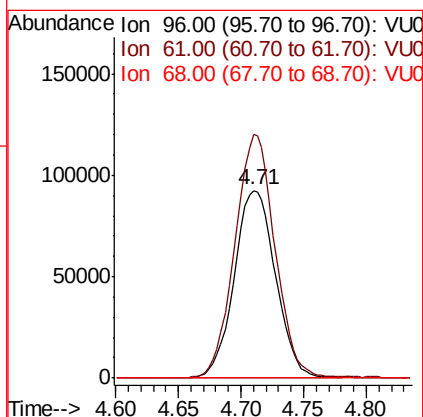
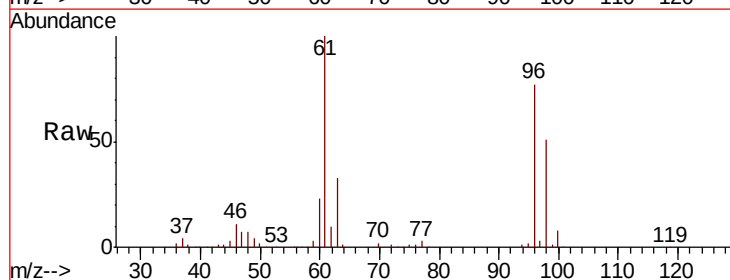
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

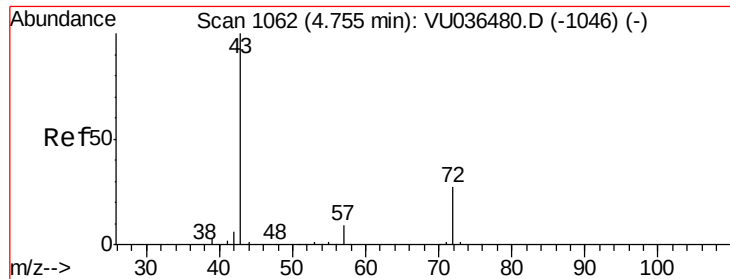
Tgt Ion: 63 Resp: 348524
 Ion Ratio Lower Upper
 63 100
 65 31.8 21.8 40.4
 83 14.4 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 48.93 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion: 96 Resp: 211855
 Ion Ratio Lower Upper
 96 100
 61 129.9 89.5 166.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 89.29 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

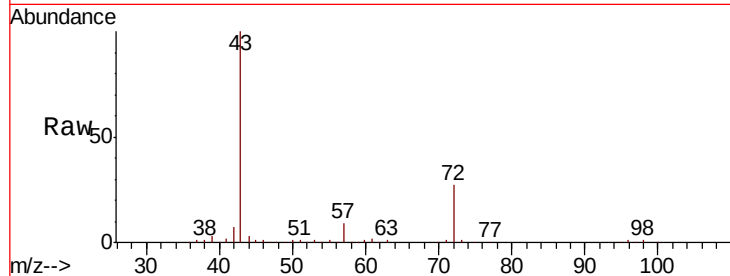
VSTD05045

Tgt Ion: 43 Resp: 356242

Ion Ratio Lower Upper

43 100

72 27.8 14.1 42.4



Abundance Ion 43.00 (42.70 to 43.70): VU036480.D (-1046) (-)

Ion 72.00 (71.70 to 72.70): VU036480.D (-1046) (-)

4.75

150000

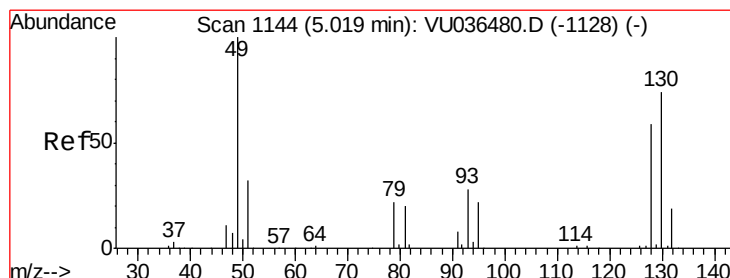
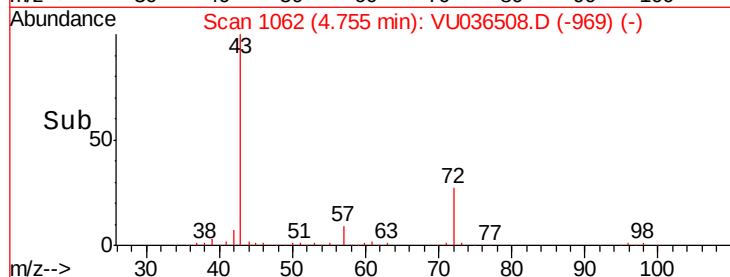
100000

50000

0

4.70 4.80 4.90

Time-->



#23

Bromochloromethane

Concen: 48.97 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Tgt Ion: 128 Resp: 102426

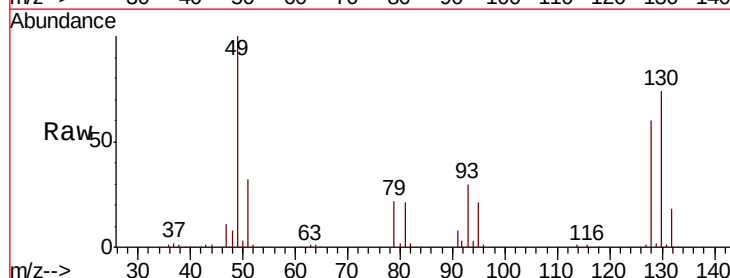
Ion Ratio Lower Upper

128 100

49 165.7 118.9 220.7

130 122.0 91.3 169.5

51 52.3 42.6 63.8



Abundance Ion 128.00 (127.70 to 128.70): VU036480.D (-1128) (-)

Ion 49.00 (48.70 to 49.70): VU036480.D (-1128) (-)

Ion 130.00 (129.70 to 130.70): VU036480.D (-1128) (-)

Ion 51.00 (50.70 to 51.70): VU036480.D (-1128) (-)

120000

100000

80000

60000

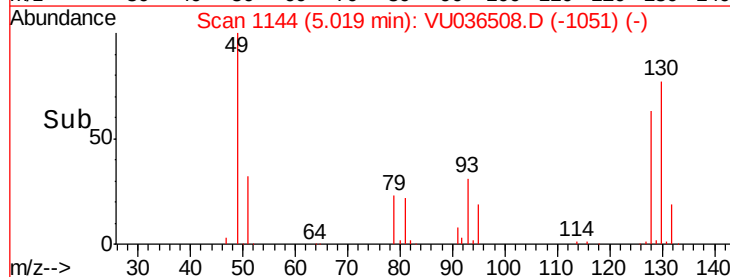
40000

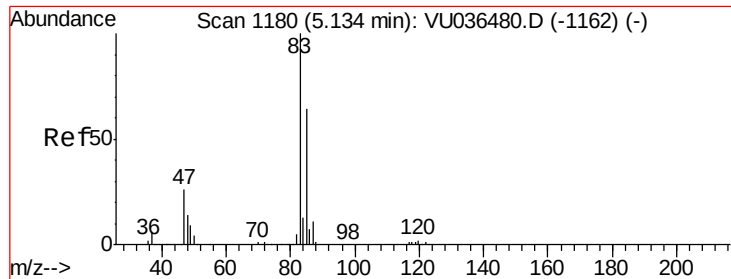
20000

0

4.95 5.00 5.05 5.10

Time-->

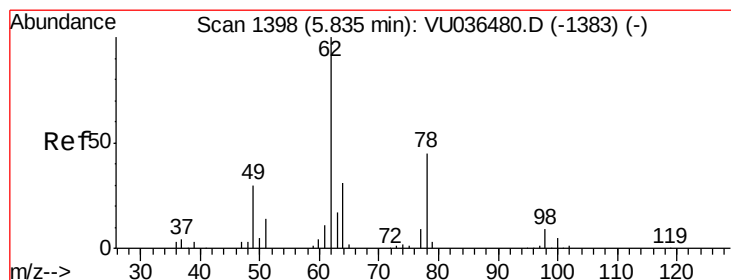
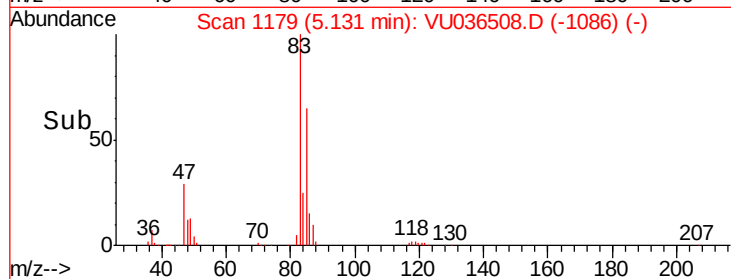
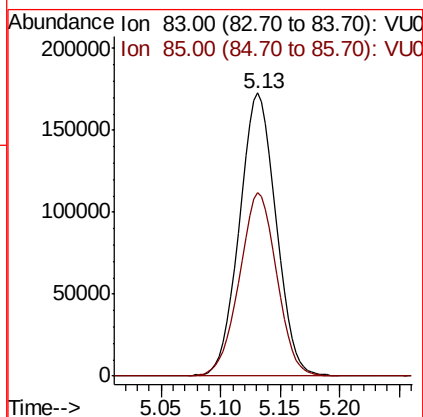
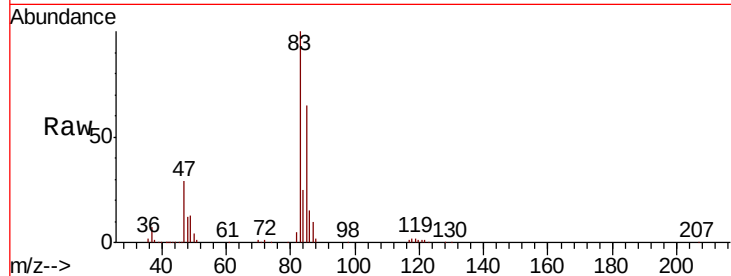




#25
Chloroform
Concen: 48.44 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

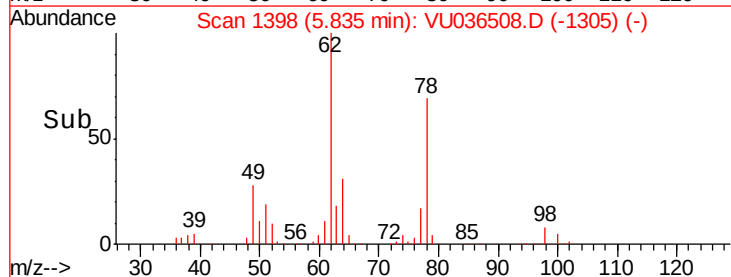
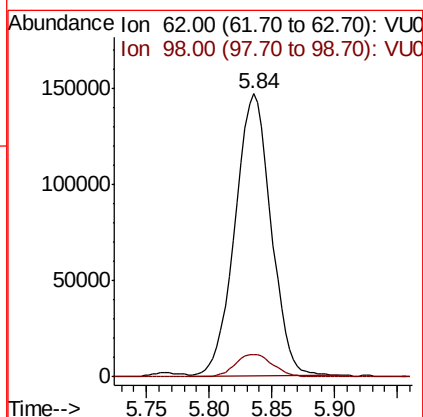
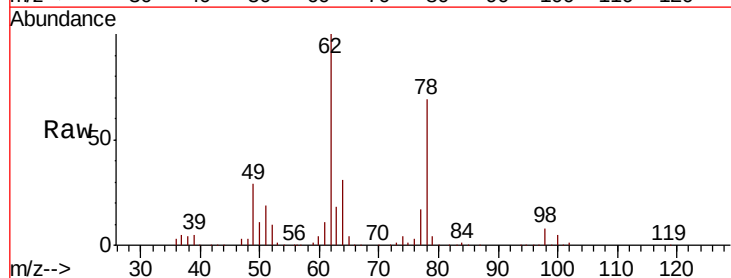
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

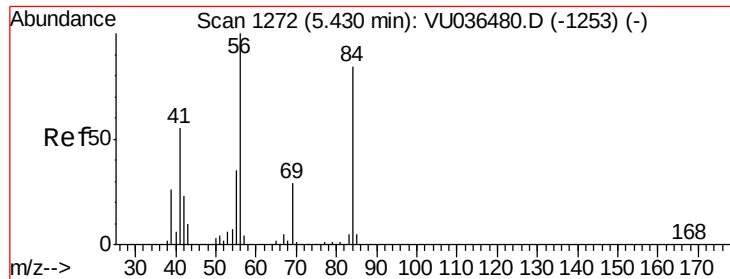
Tgt Ion: 83 Resp: 368302
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 48.66 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion: 62 Resp: 292994
Ion Ratio Lower Upper
62 100
98 7.9 6.6 9.8

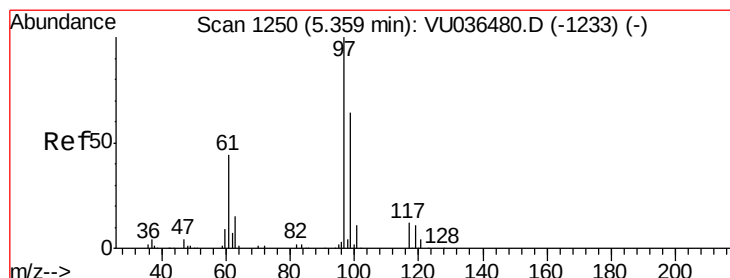
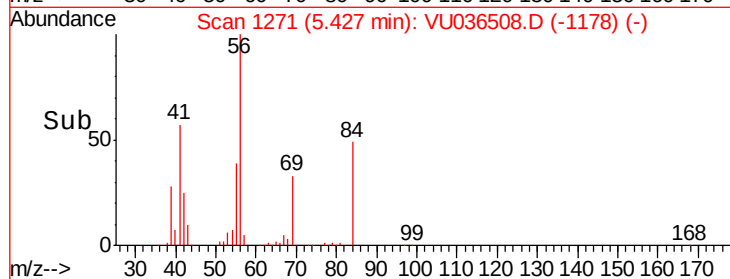
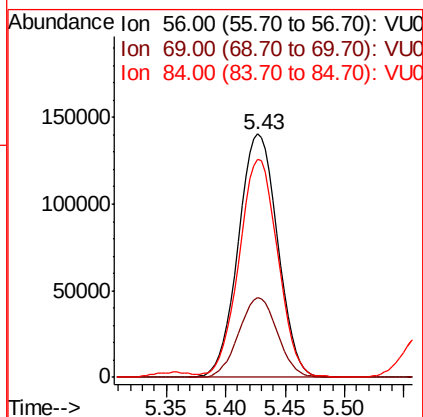
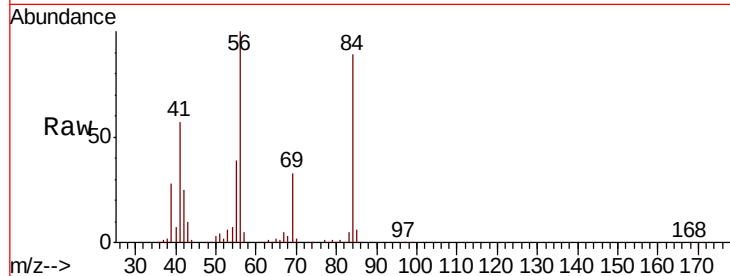




#29
Cyclohexane
Concen: 47.59 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

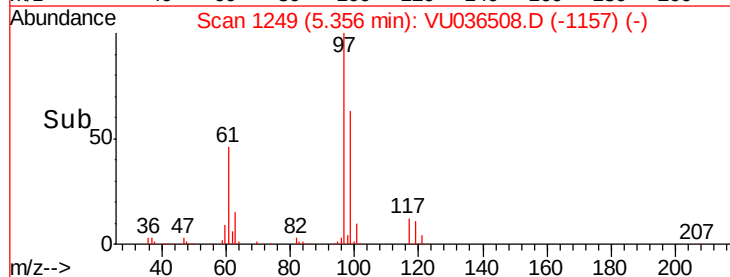
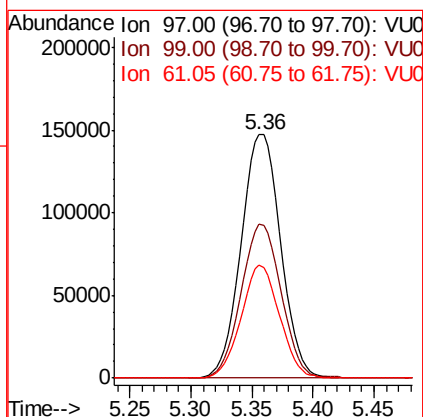
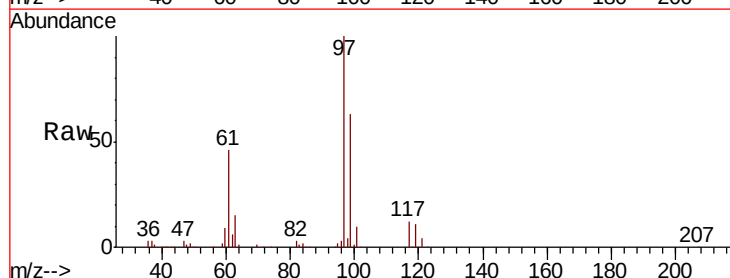
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

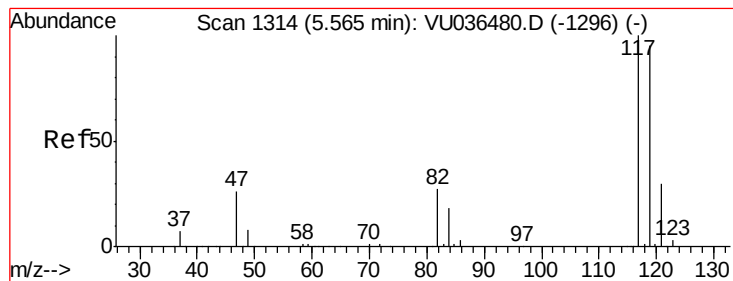
Tgt Ion: 56 Resp: 321656
Ion Ratio Lower Upper
56 100
69 32.2 24.6 36.8
84 88.0 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 49.40 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion: 97 Resp: 330633
Ion Ratio Lower Upper
97 100
99 63.8 50.2 75.2
61 44.9 35.3 52.9





#31

Carbon tetrachloride

Concen: 49.95 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

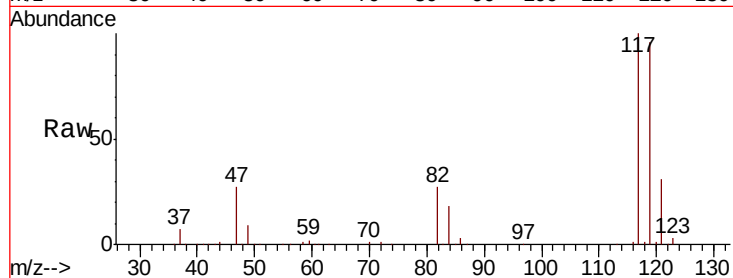
VSTD05045

Tgt Ion:117 Resp: 286560

Ion Ratio Lower Upper

117 100

119 96.8 74.3 111.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

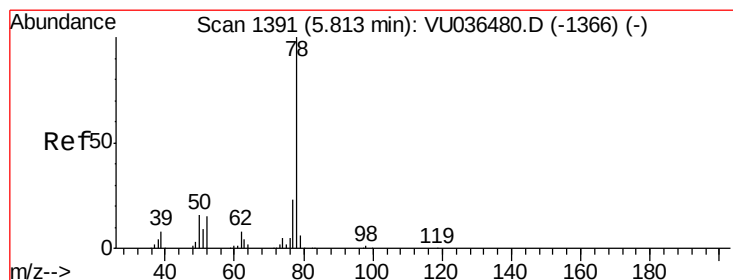
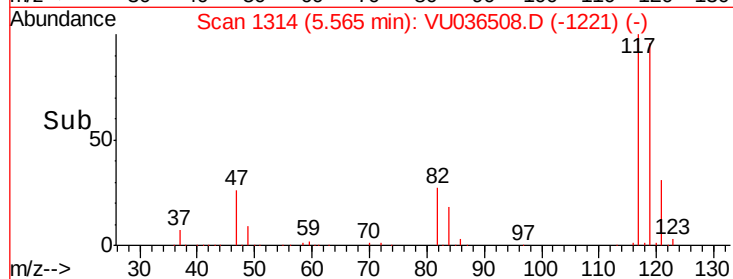
100000

50000

0

5.50 5.55 5.60 5.65

Time-->



#33

Benzene

Concen: 48.33 ug/L

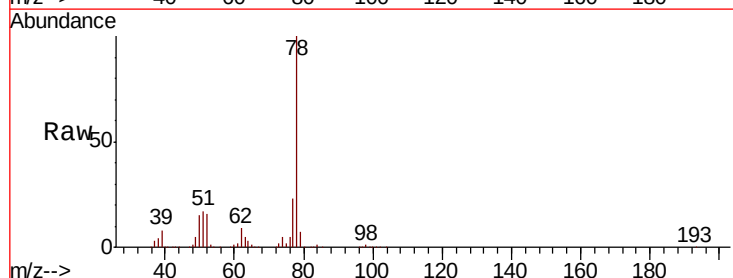
RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Tgt Ion: 78 Resp: 782674



Abundance Ion 78.00 (77.70 to 78.70): VU0

400000

300000

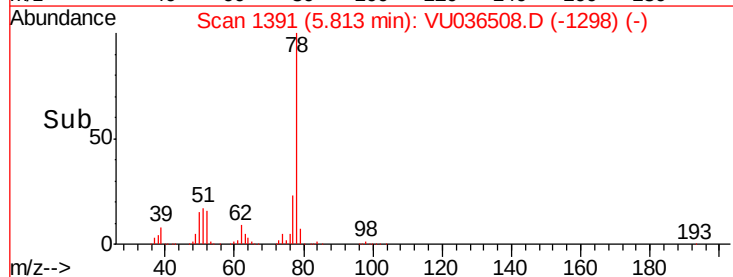
200000

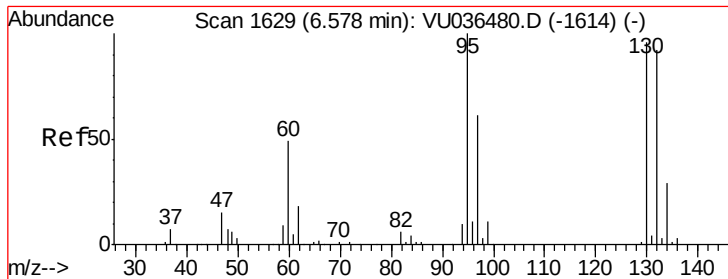
100000

0

5.70 5.80 5.90

Time-->





#34

Trichloroethene

Concen: 48.10 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

Tgt Ion: 95 Resp: 210328

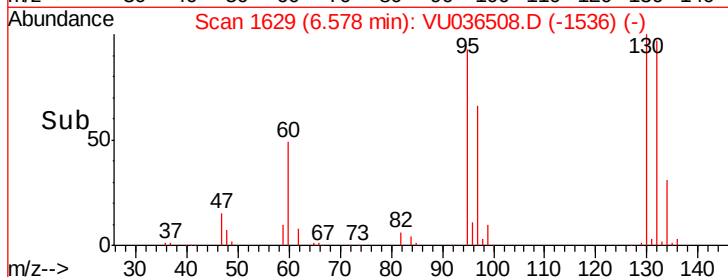
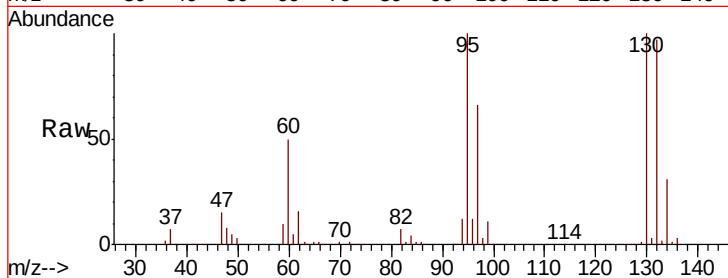
Ion Ratio Lower Upper

95 100

97 66.6 44.2 82.2

132 97.5 62.8 116.6

130 100.2 66.1 122.7

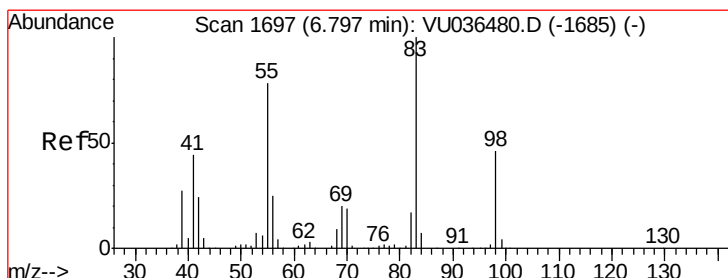
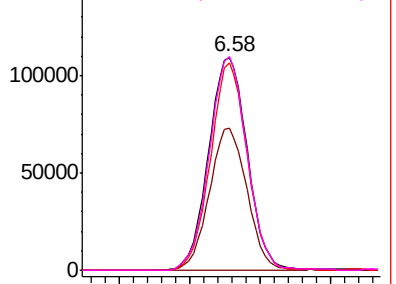


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 51.18 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

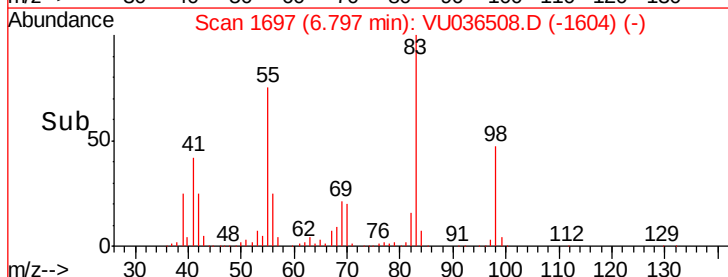
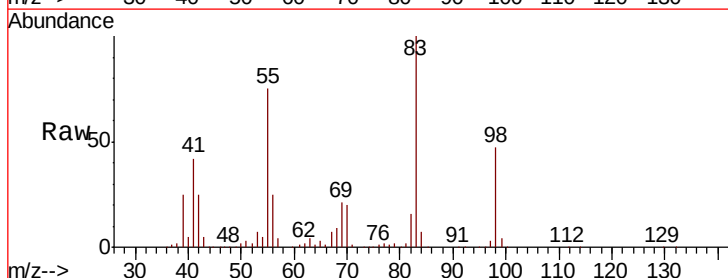
Tgt Ion: 83 Resp: 344540

Ion Ratio Lower Upper

83 100

55 74.2 59.9 89.9

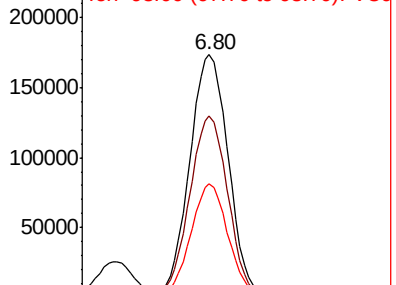
98 45.9 36.4 54.6

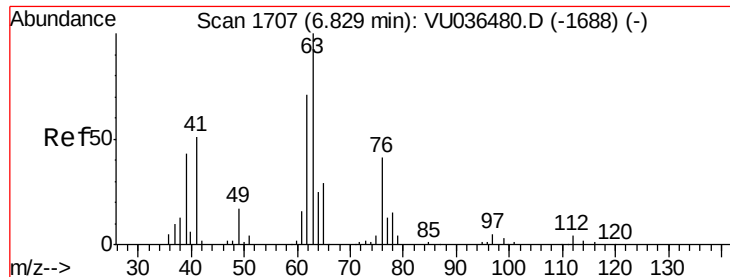


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

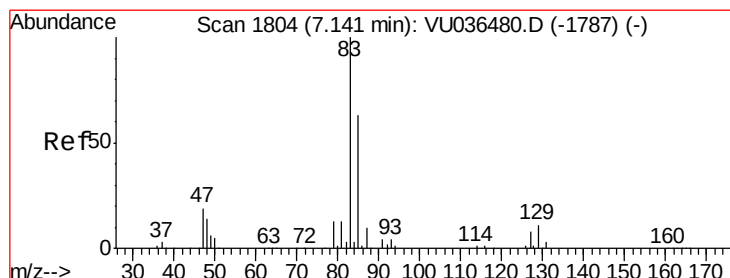
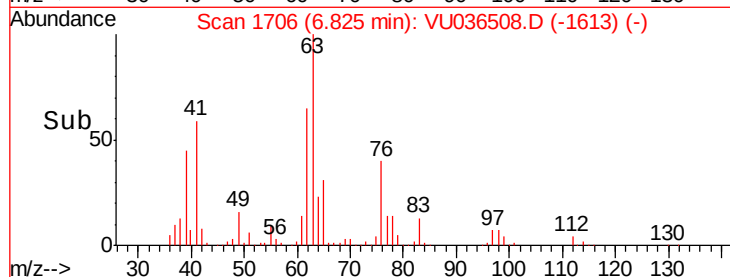
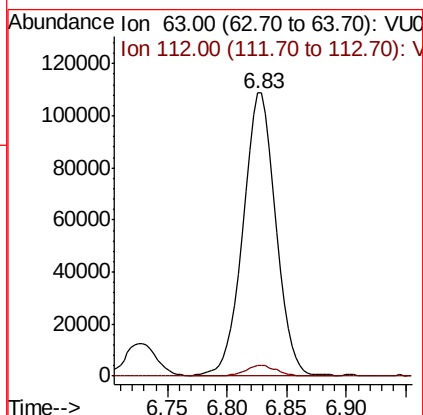
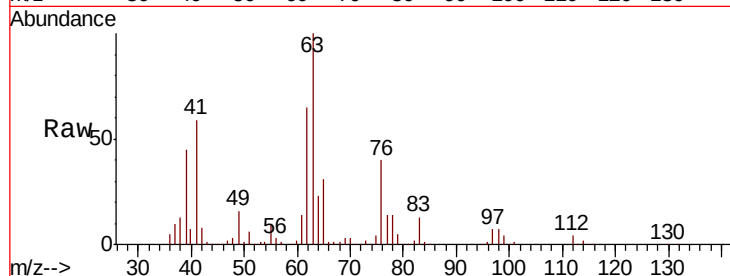




#37
 1,2-Dichloropropane
 Concen: 48.15 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

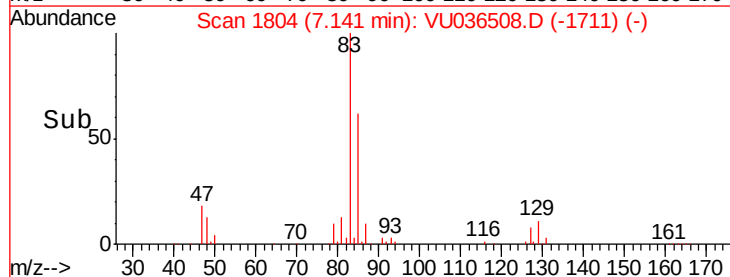
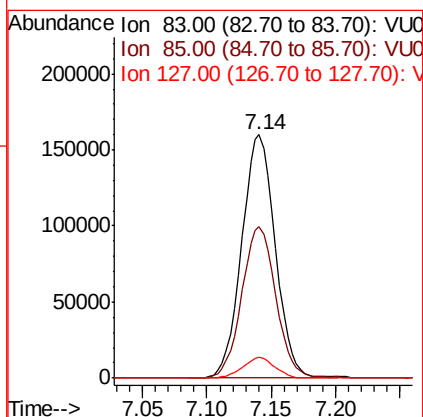
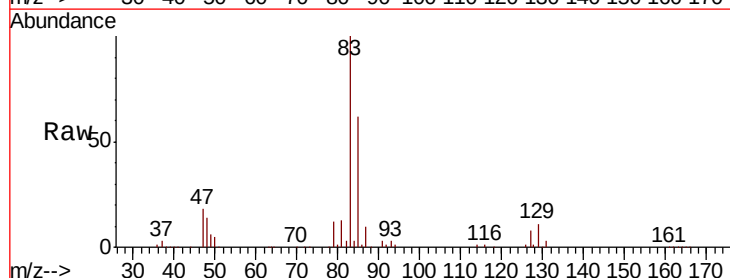
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

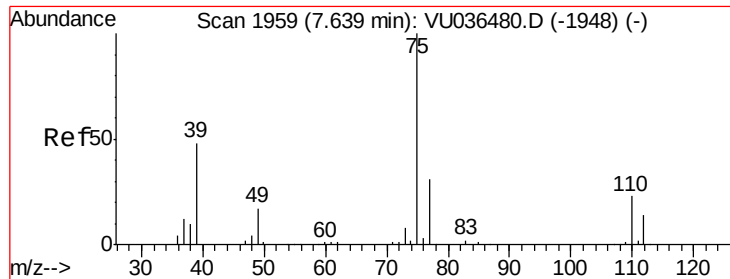
Tgt Ion: 63 Resp: 206663
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 48.86 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion: 83 Resp: 288597
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.0 81.8
 127 8.4 6.7 10.1

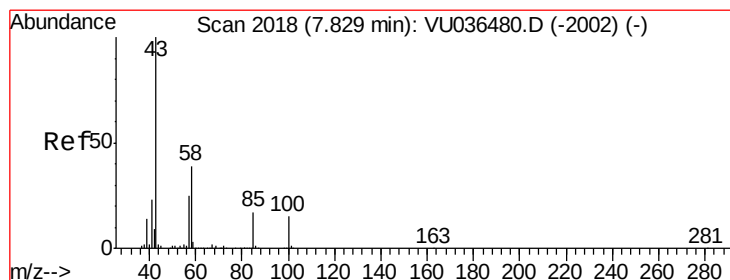
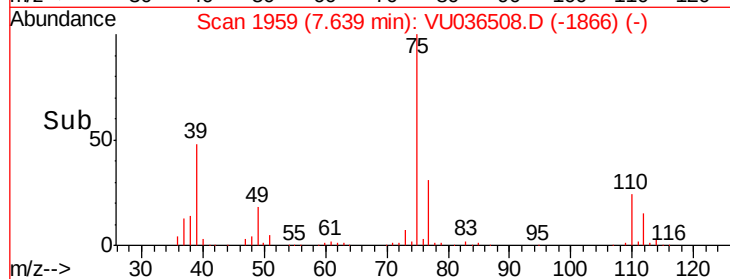
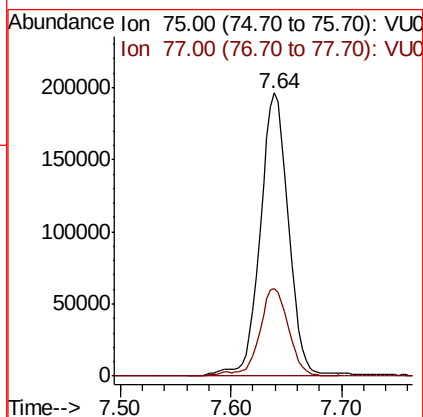
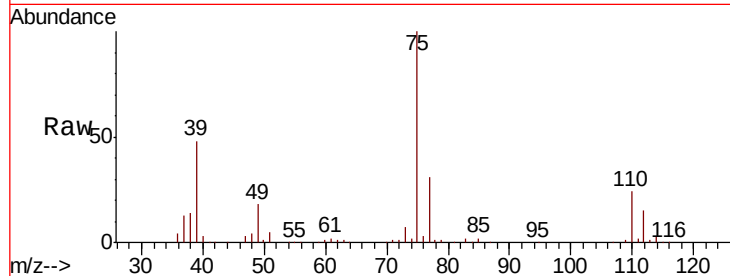




#39
 cis-1,3-Dichloropropene
 Concen: 50.24 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

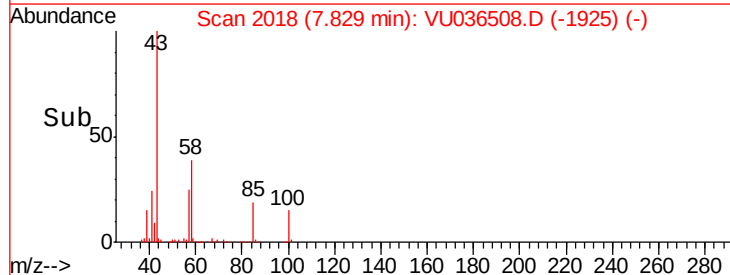
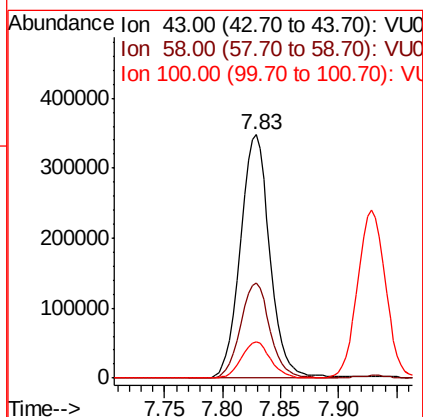
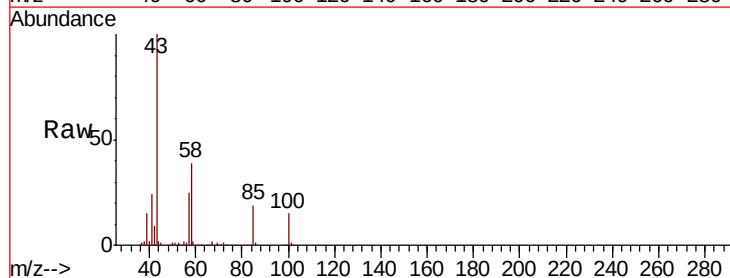
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

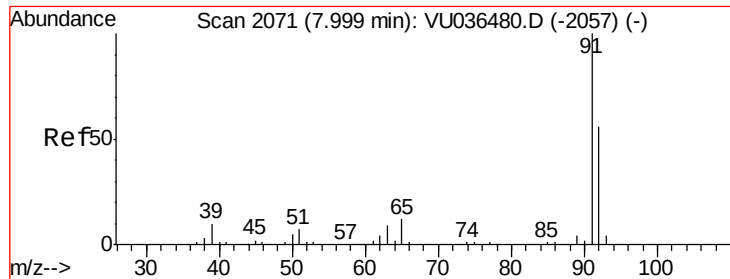
Tgt Ion: 75 Resp: 349062
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 88.91 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion: 43 Resp: 613860
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.0 48.0
 100 14.9 11.4 17.0





#42

Toluene

Concen: 49.24 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

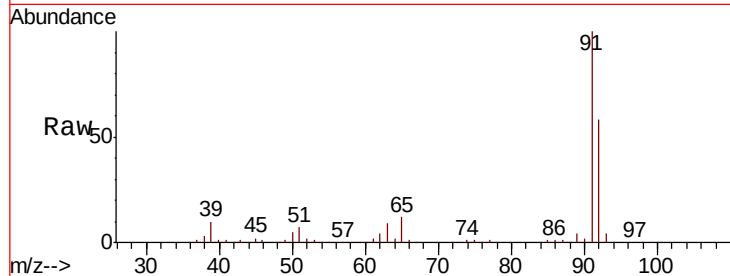
VSTD05045

Tgt Ion: 91 Resp: 866137

Ion Ratio Lower Upper

91 100

92 58.4 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036480.D (-2057) (-)

Ion 92.00 (91.70 to 92.70): VU036480.D (-2057) (-)

8.00

500000

400000

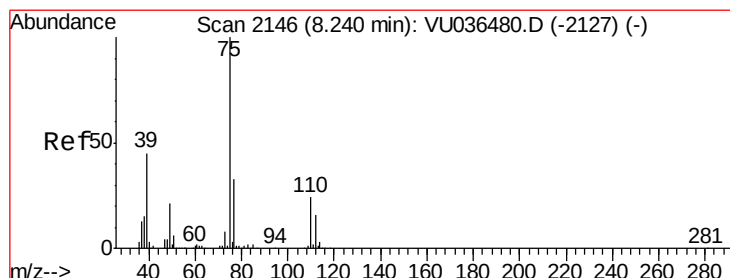
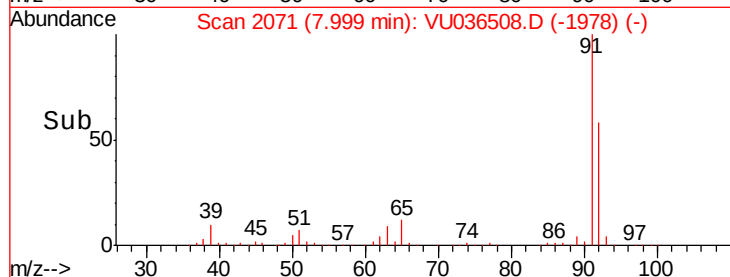
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.73 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. 0.00 min

Lab File: VU036508.D

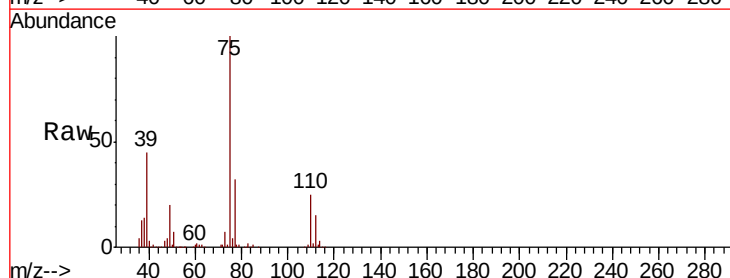
Acq: 17 Jan 2020 09:42

Tgt Ion: 75 Resp: 313622

Ion Ratio Lower Upper

75 100

77 32.2 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036480.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU036480.D (-2127) (-)

8.24

200000

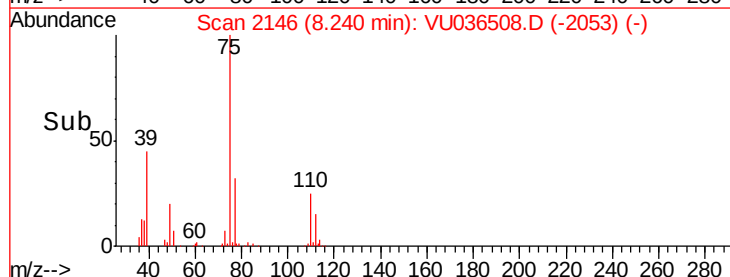
150000

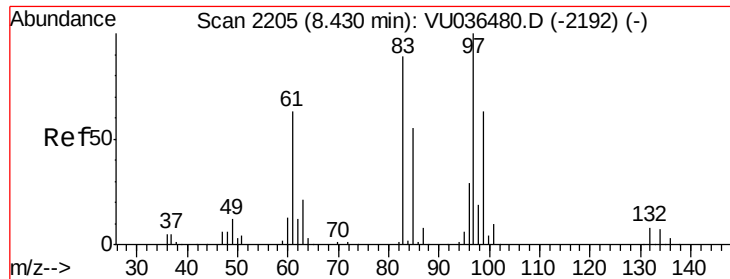
100000

50000

0

Time-->

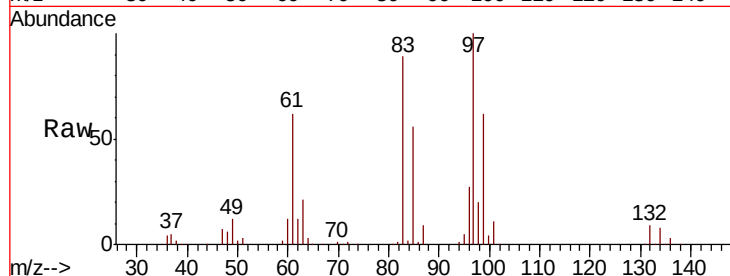




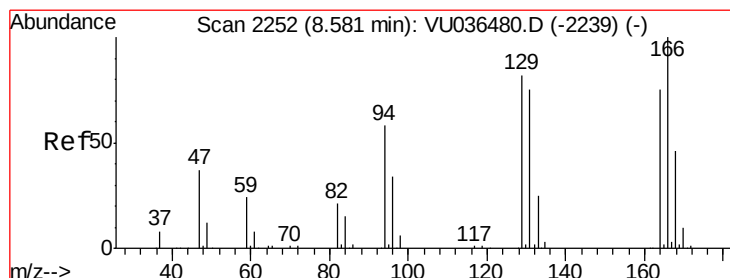
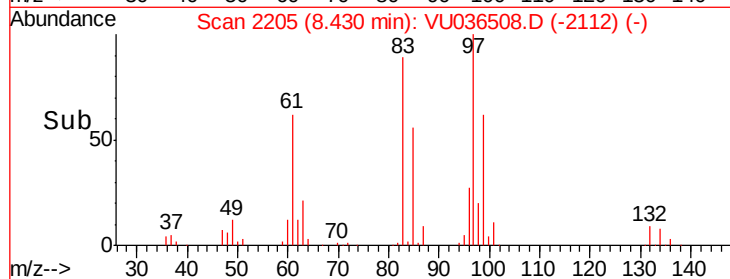
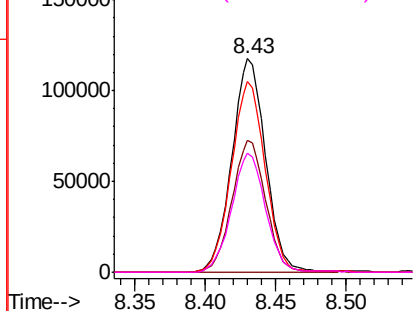
#45
 1,1,2-Trichloroethane
 Concen: 47.99 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

Tgt Ion: 97 Resp: 196884
 Ion Ratio Lower Upper
 97 100
 99 61.6 44.7 82.9
 83 89.1 59.4 110.2
 85 55.6 39.7 73.7

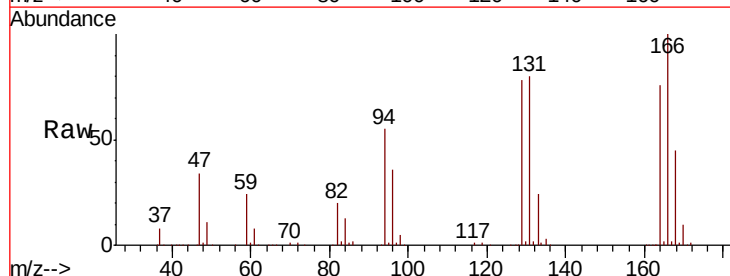


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

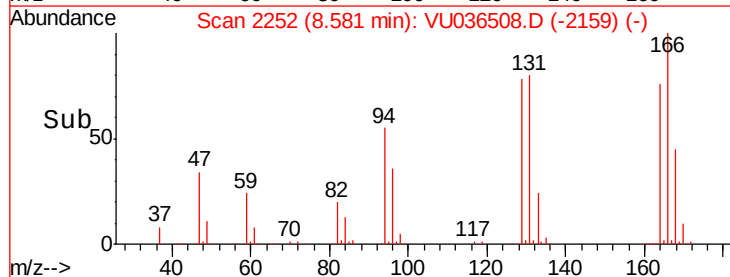
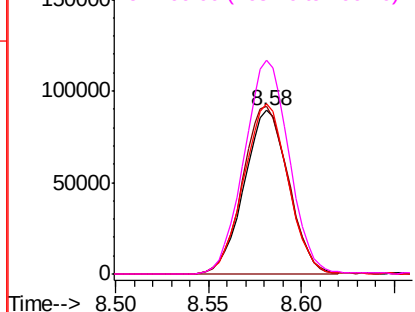


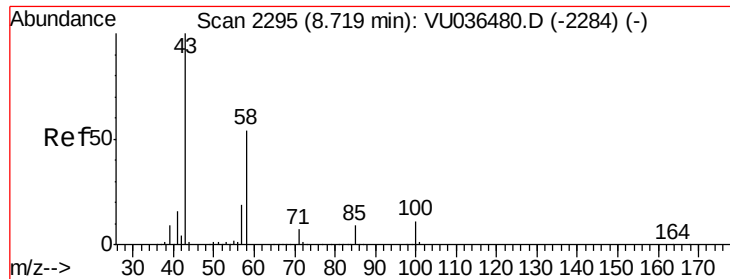
#46
 Tetrachloroethene
 Concen: 50.71 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion: 164 Resp: 149173
 Ion Ratio Lower Upper
 164 100
 129 102.5 68.1 126.5
 131 104.2 66.6 123.6
 166 130.7 86.5 160.7



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

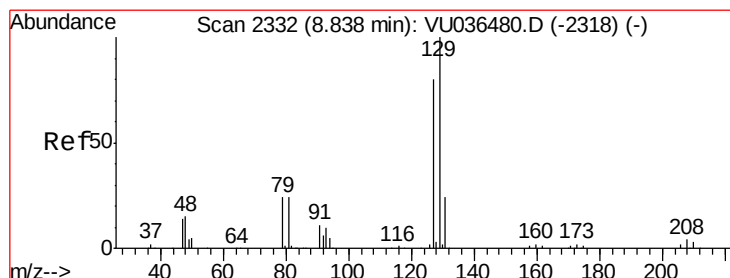
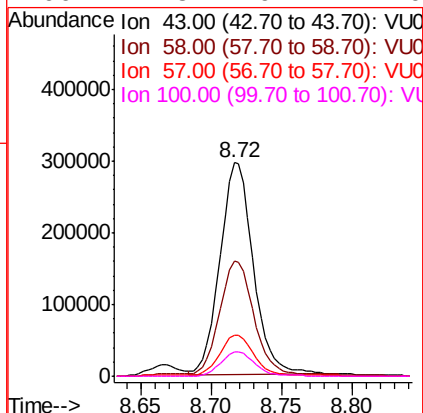
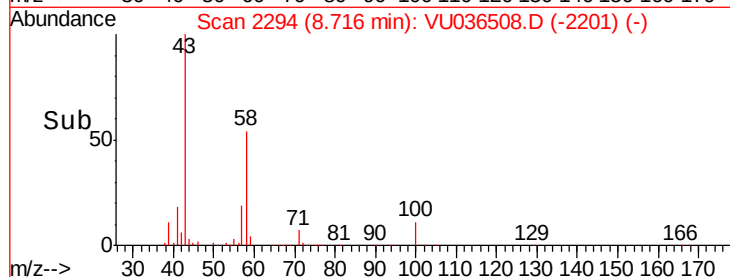
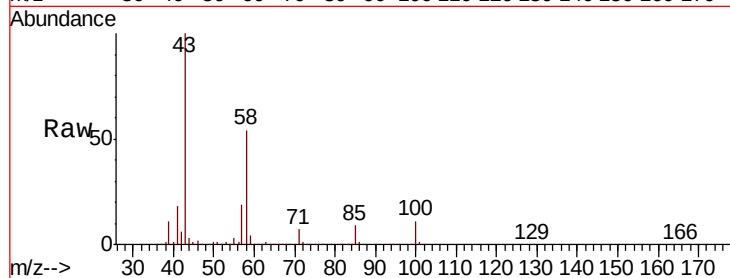




#48
2-Hexanone
Concen: 89.59 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

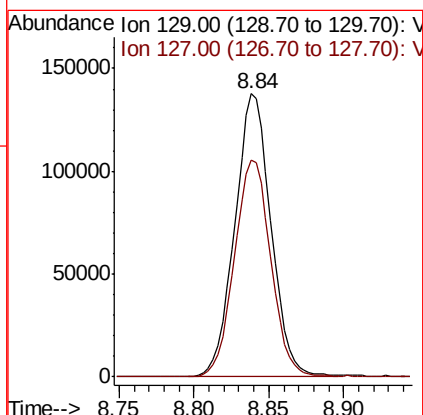
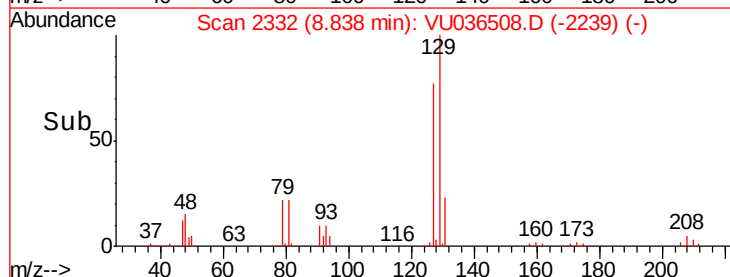
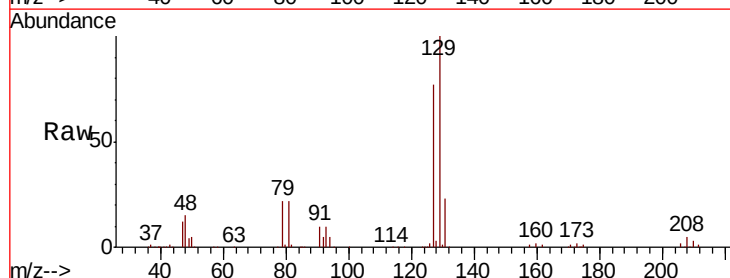
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

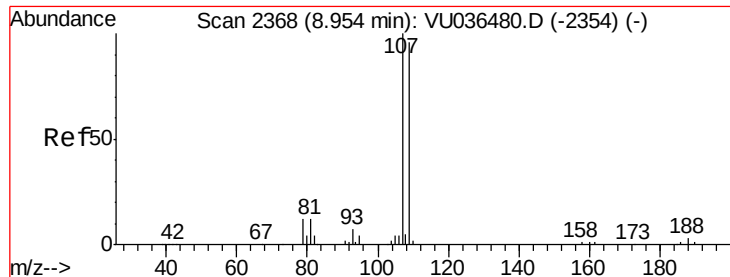
Tgt Ion:	43	Resp:	489233
Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.7	65.5
57	19.4	14.7	22.1
100	11.8	9.4	14.0



#49
Dibromochloromethane
Concen: 50.84 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion:	129	Resp:	231994
Ion	Ratio	Lower	Upper
129	100		
127	76.5	54.7	101.7

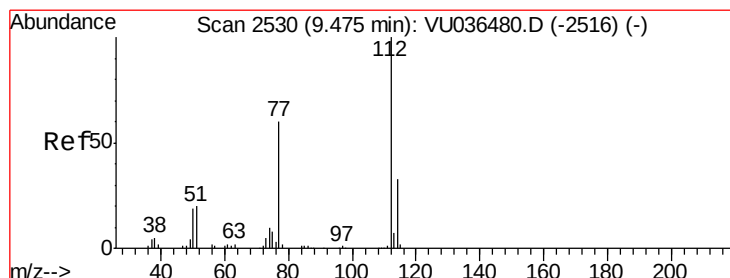
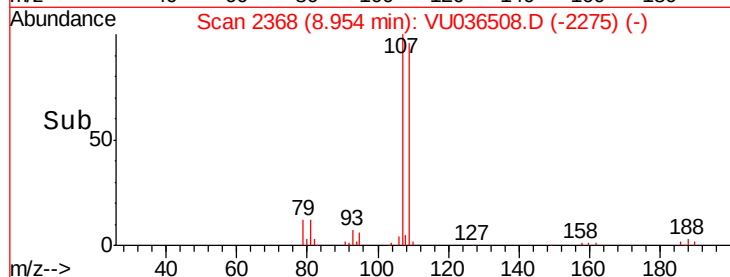
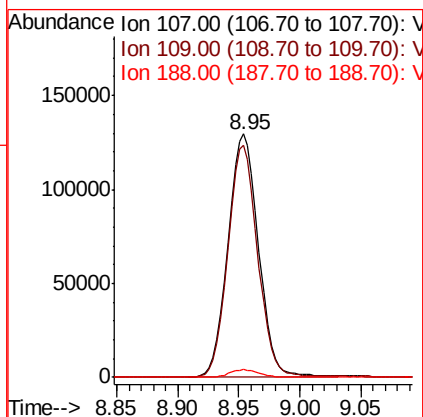
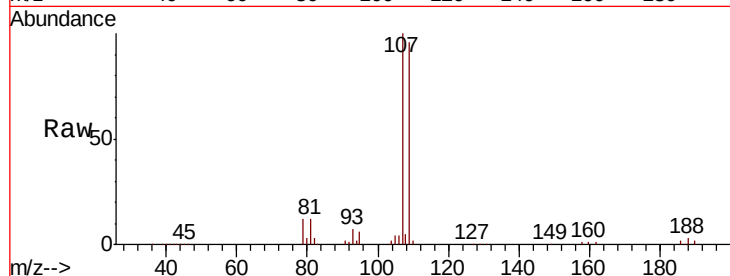




#50
1,2-Dibromoethane
Concen: 48.73 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

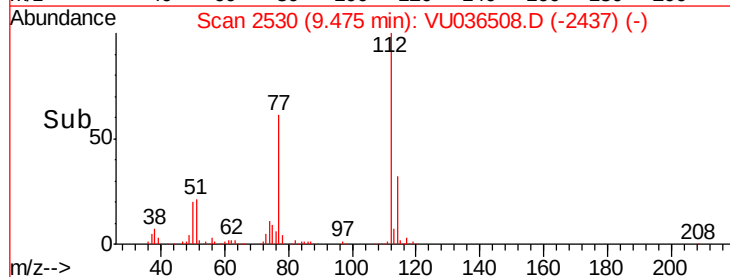
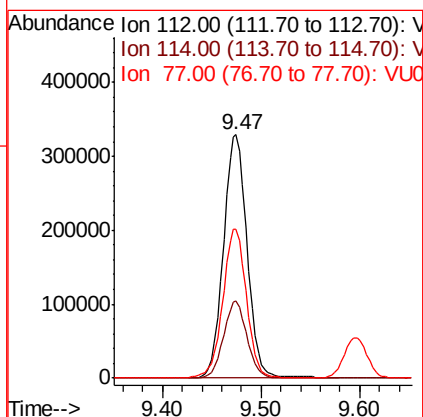
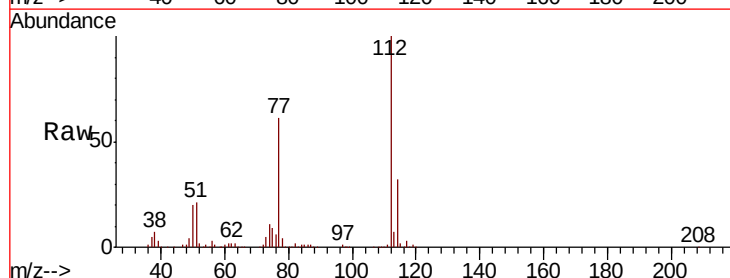
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

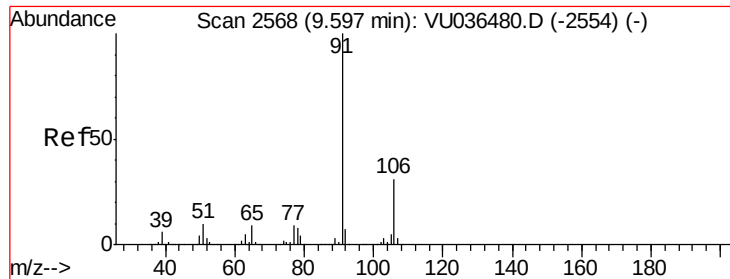
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	65.0	120.8
188	3.1	2.6	4.0



#51
Chlorobenzene
Concen: 50.04 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.0	41.0
77	61.1	47.8	71.8

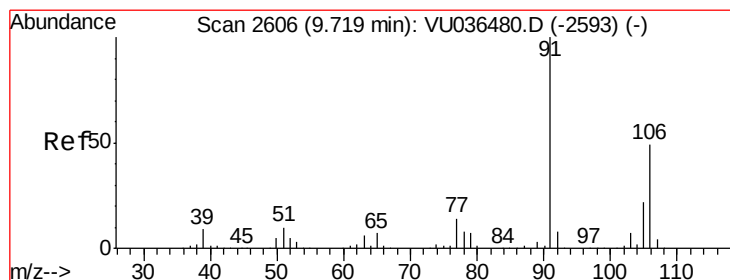
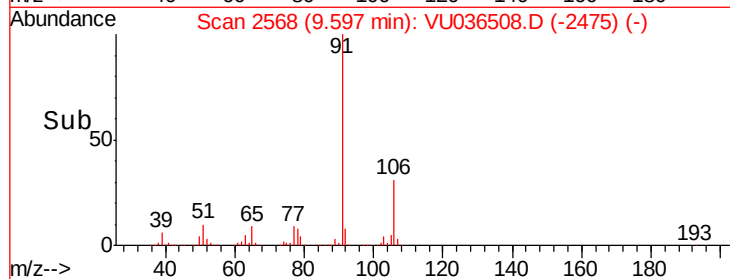
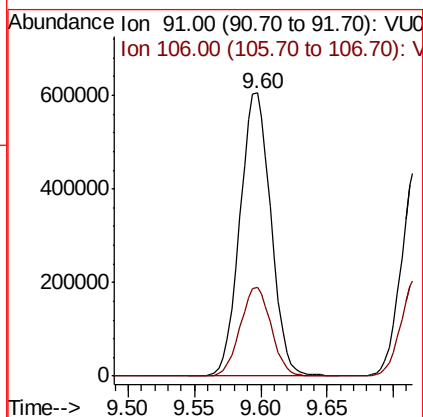
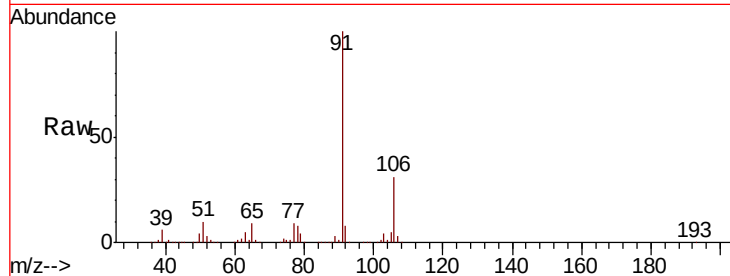




#52
Ethylbenzene
Concen: 49.93 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

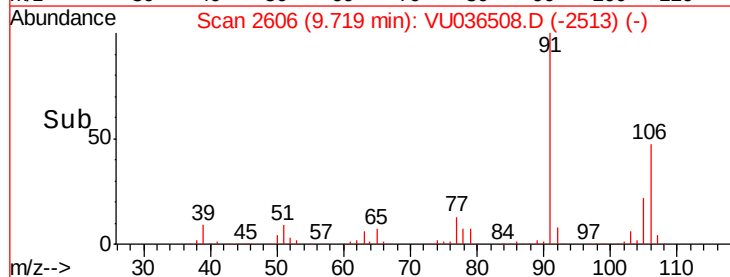
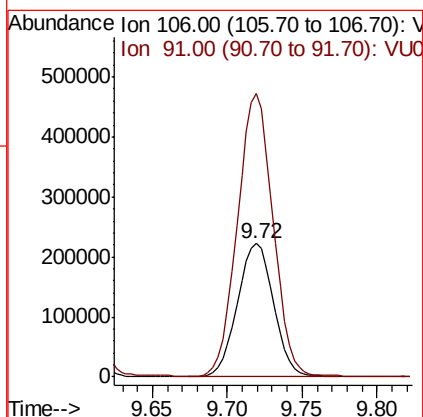
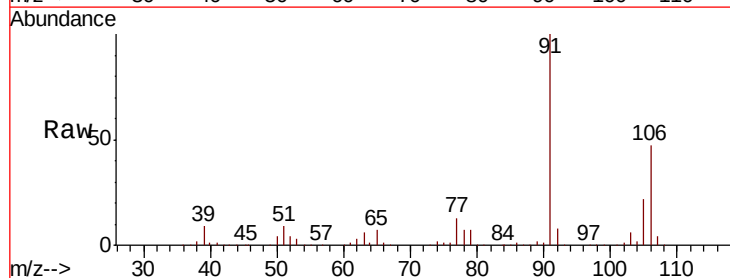
Instrument :
MSVOA_U
ClientSampleId :
VSTD05045

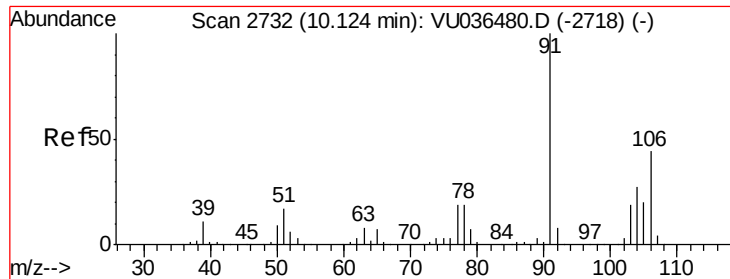
Tgt Ion: 91 Resp: 980872
Ion Ratio Lower Upper
91 100
106 31.3 22.3 41.3



#53
m,p-Xylene
Concen: 50.67 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion: 106 Resp: 372237
Ion Ratio Lower Upper
106 100
91 212.5 145.9 270.9

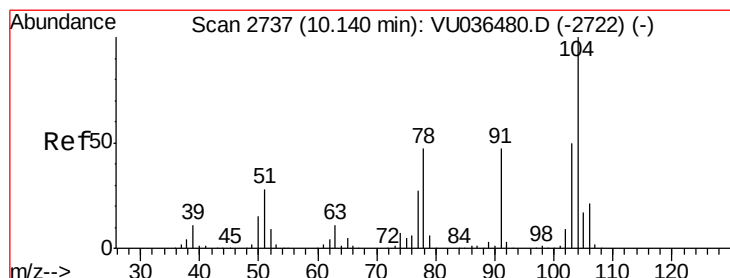
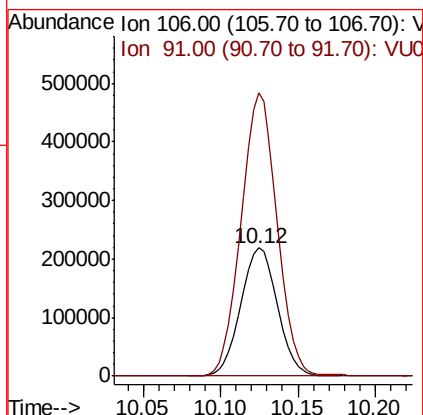
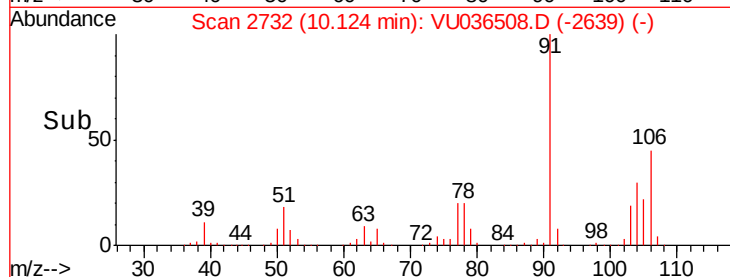
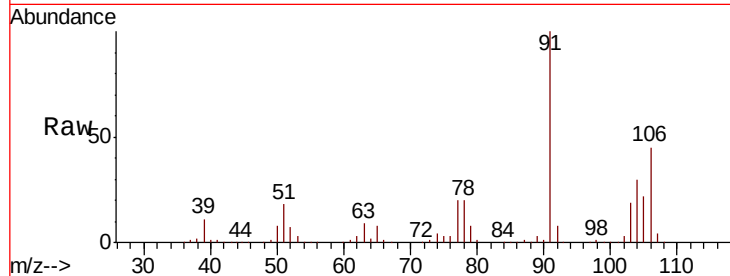




#54
o-xylene
Concen: 49.37 ug/L
RT: 10.12 min Scan# 2732
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

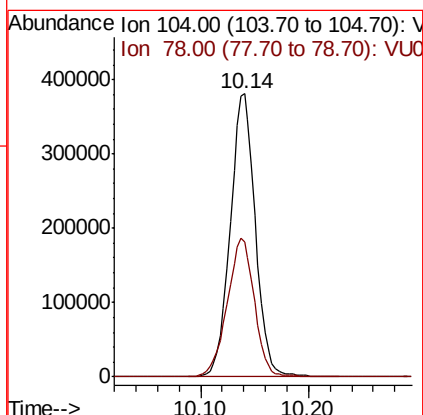
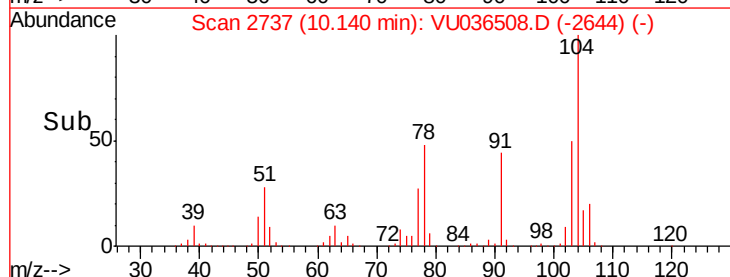
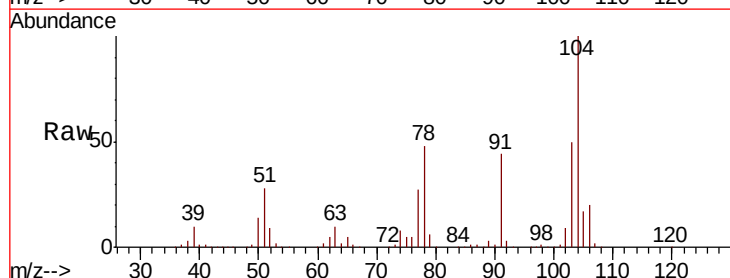
Instrument :
MSVOA_U
ClientSampled :
VSTD05045

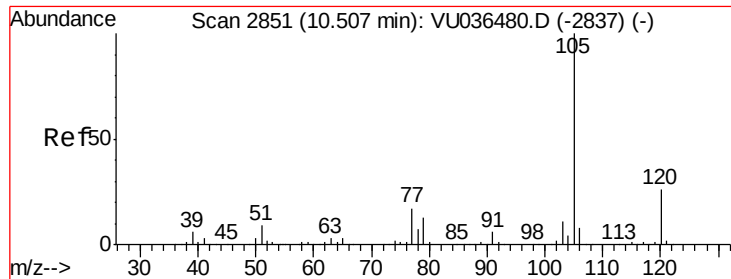
Tgt Ion:106 Resp: 362082
Ion Ratio Lower Upper
106 100
91 220.6 156.4 290.4



#55
Styrene
Concen: 51.89 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036508.D
Acq: 17 Jan 2020 09:42

Tgt Ion:104 Resp: 617237
Ion Ratio Lower Upper
104 100
78 47.7 33.2 61.7





#56

Isopropylbenzene

Concen: 51.18 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

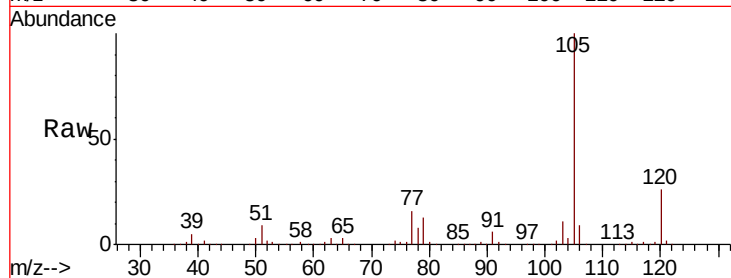
Tgt Ion: 105 Resp: 963353

Ion Ratio Lower Upper

105 100

120 26.9 21.5 32.3

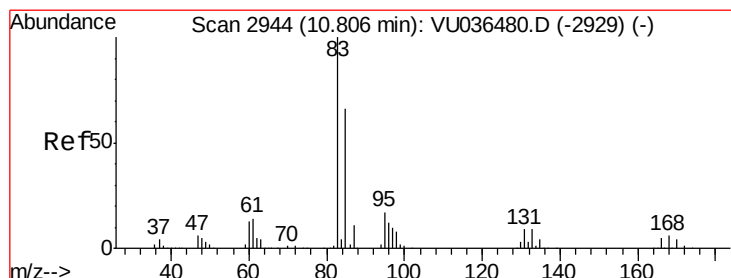
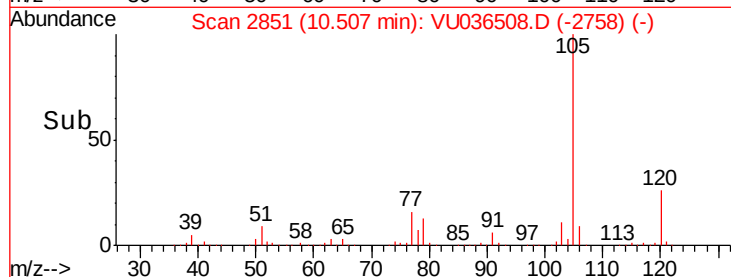
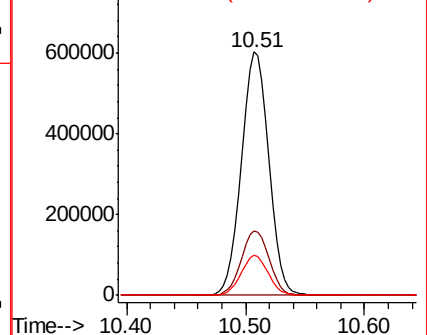
77 16.2 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.43 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

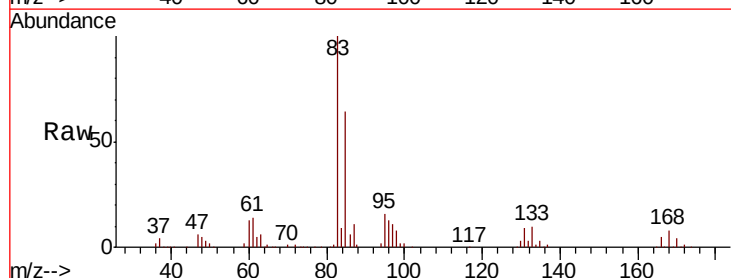
Tgt Ion: 83 Resp: 345512

Ion Ratio Lower Upper

83 100

85 63.9 44.7 82.9

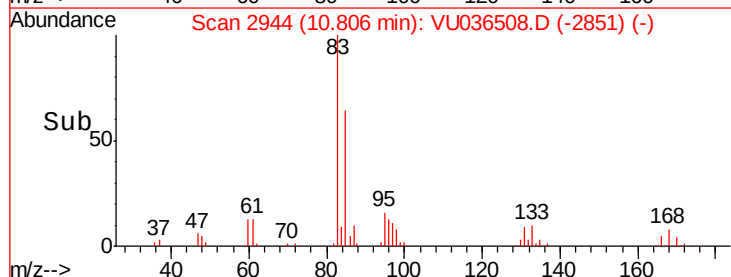
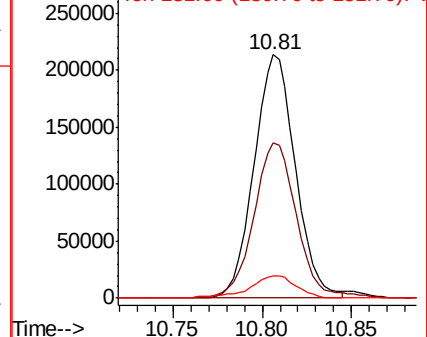
131 9.2 7.0 10.6

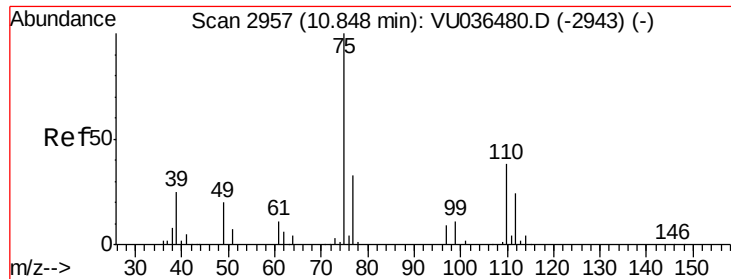


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 46.18 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

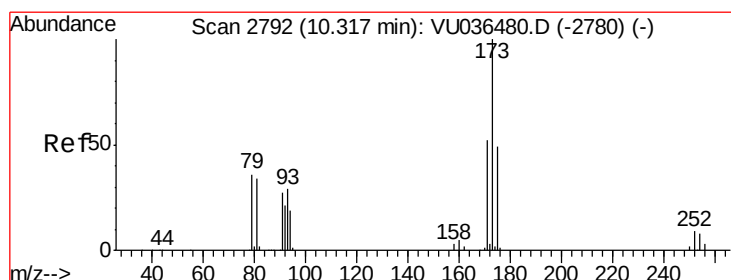
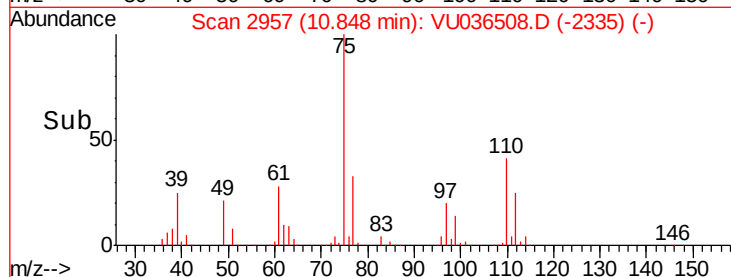
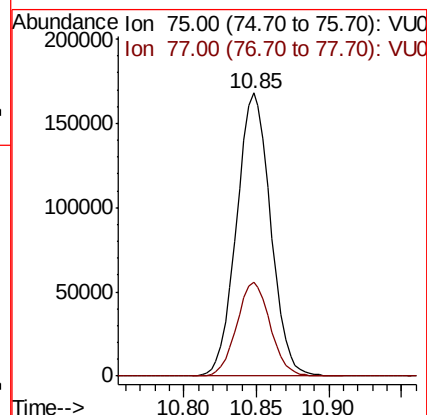
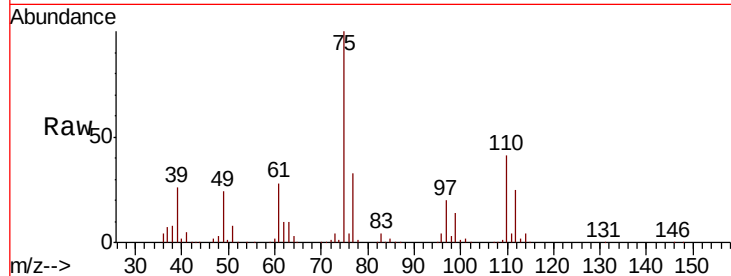
VSTD05045

Tgt Ion: 75 Resp: 273326

Ion Ratio Lower Upper

75 100

77 32.7 25.0 37.4



#61

Bromoform

Concen: 43.91 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

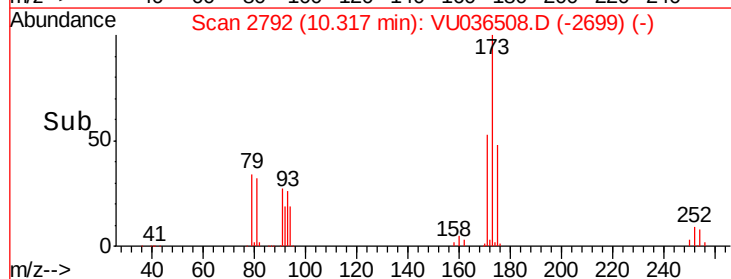
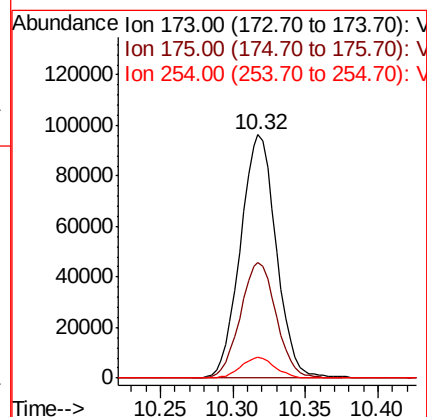
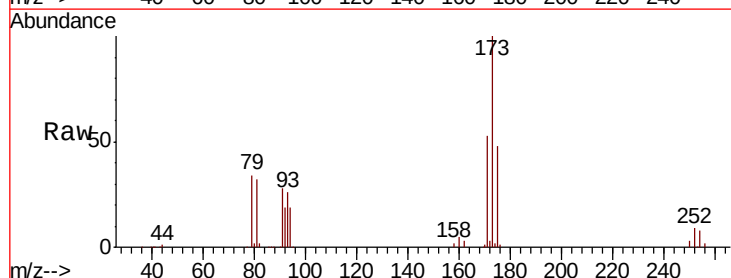
Tgt Ion: 173 Resp: 165316

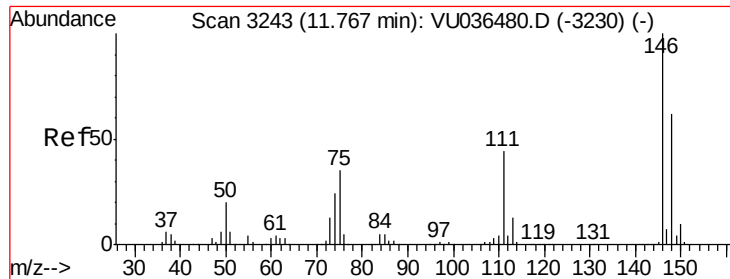
Ion Ratio Lower Upper

173 100

175 47.6 39.6 59.4

254 8.0 6.3 9.5

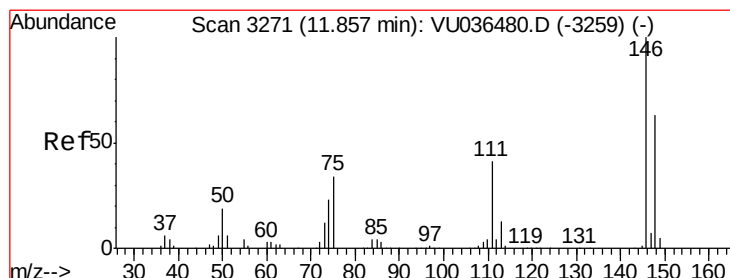
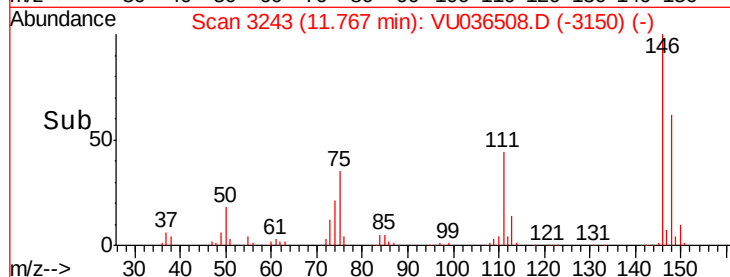
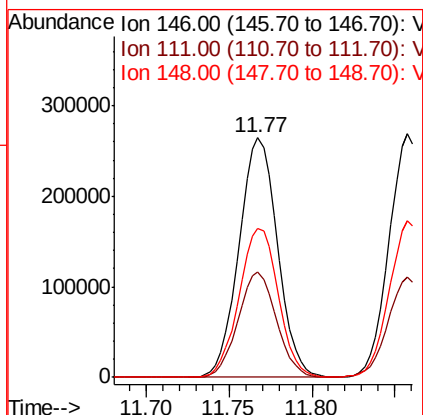
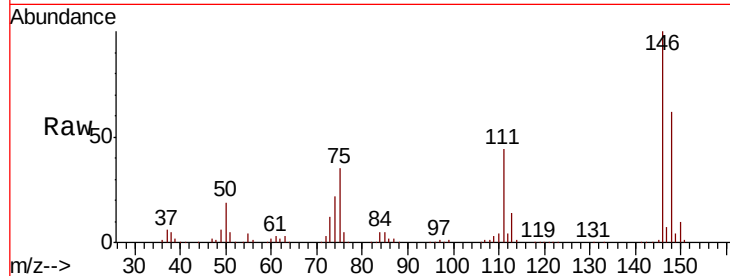




#62
 1,3-Dichlorobenzene
 Concen: 49.02 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

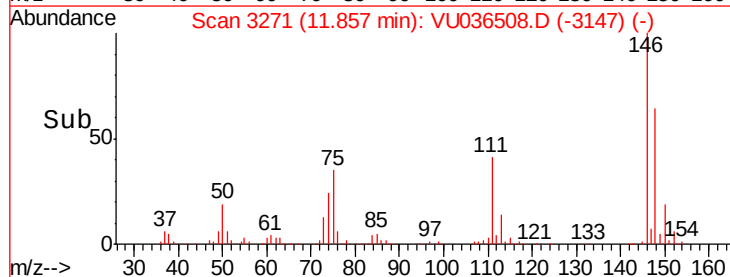
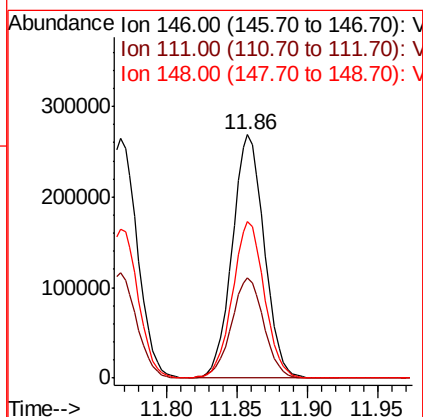
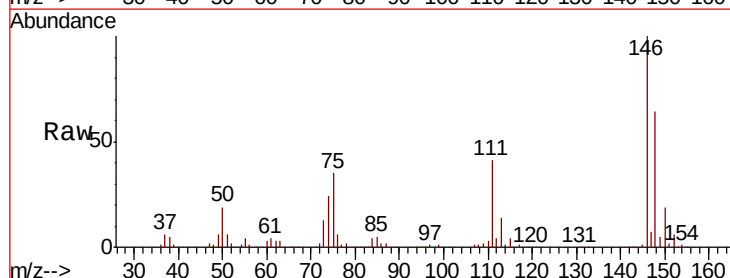
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

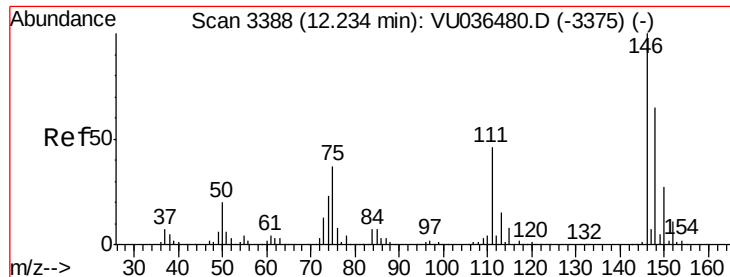
Tgt Ion:146 Resp: 426765
 Ion Ratio Lower Upper
 146 100
 111 44.1 31.3 58.1
 148 62.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 48.74 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion:146 Resp: 426343
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.3 54.3
 148 64.3 43.8 81.3

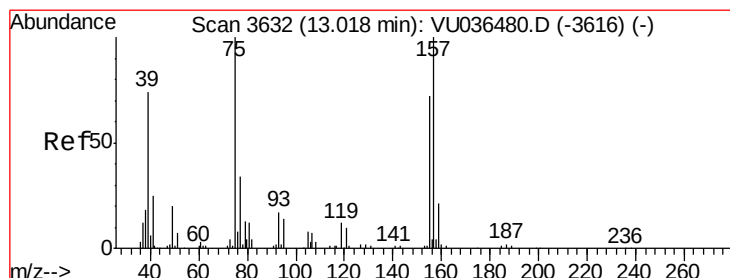
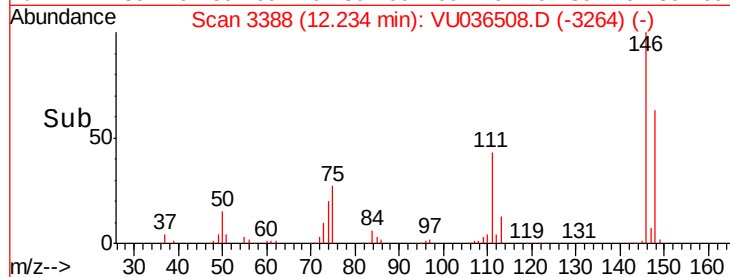
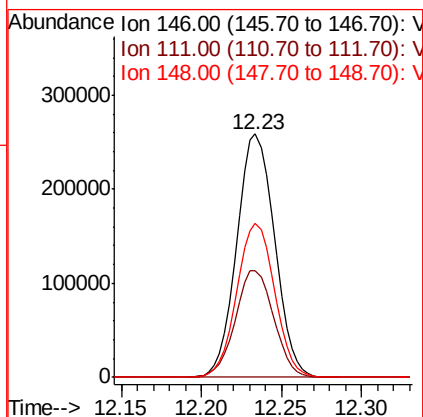
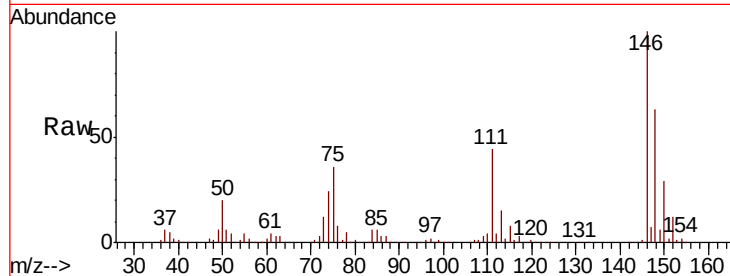




#65
 1,2-Dichlorobenzene
 Concen: 48.58 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

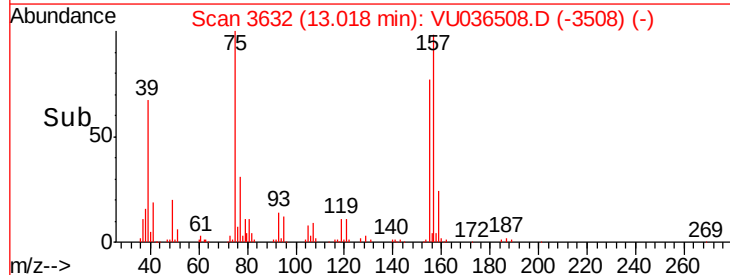
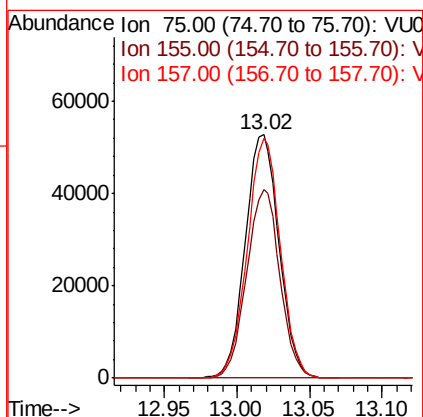
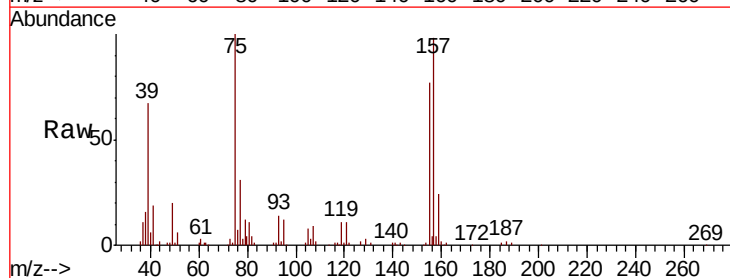
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05045

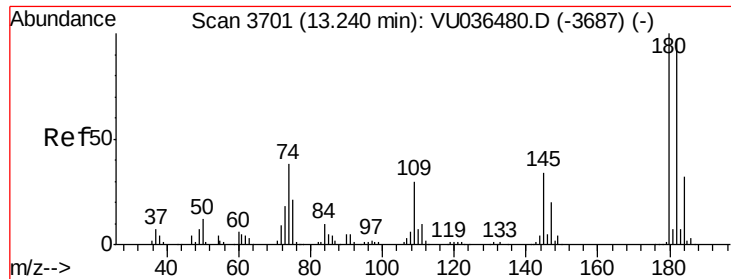
Tgt Ion: 146 Resp: 417174
 Ion Ratio Lower Upper
 146 100
 111 44.0 37.0 55.4
 148 63.1 52.3 78.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.42 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion: 75 Resp: 85771
 Ion Ratio Lower Upper
 75 100
 155 77.4 59.1 88.7
 157 98.3 72.7 109.1

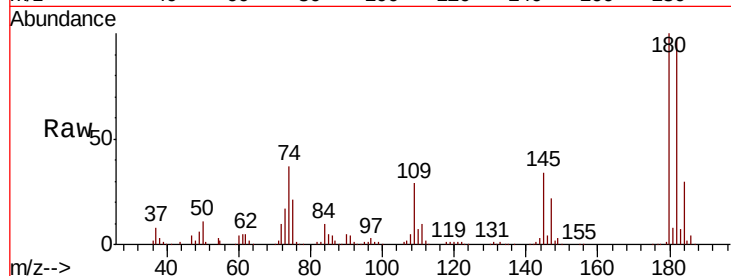




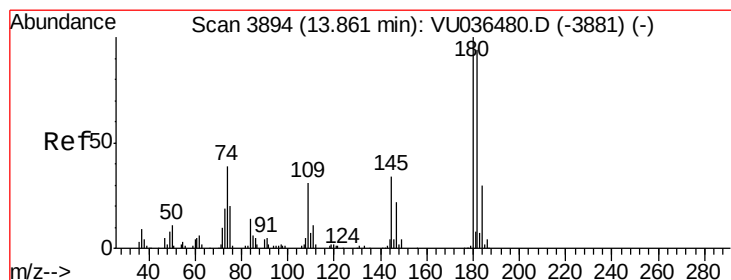
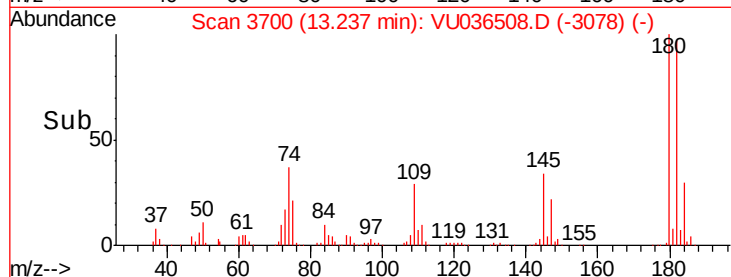
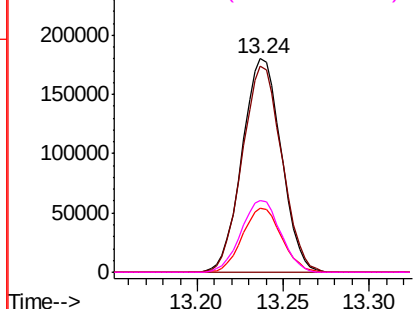
#67
 1,3,5-Trichlorobenzene
 Concen: 54.07 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD05045

Tgt Ion:180 Resp: 284662
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.8 113.6
 184 30.0 24.4 36.6
 145 34.0 26.6 39.8

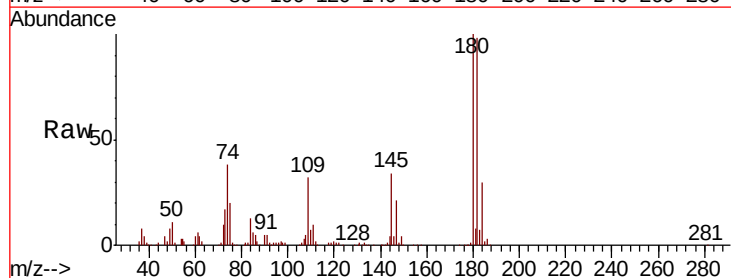


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

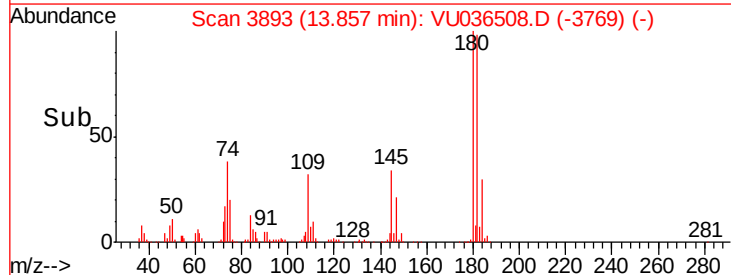
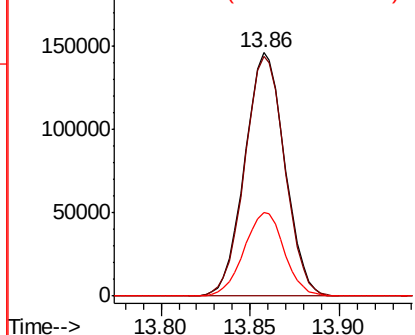


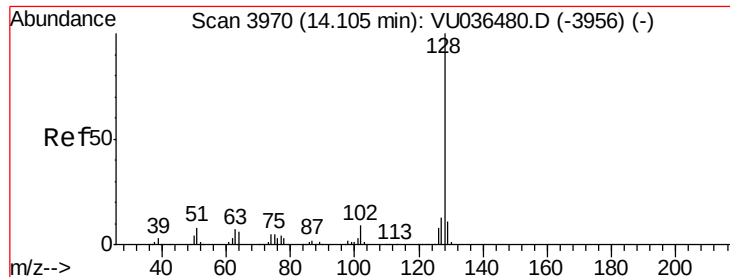
#68
 1,2,4-trichlorobenzene
 Concen: 58.97 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU036508.D
 Acq: 17 Jan 2020 09:42

Tgt Ion:180 Resp: 228759
 Ion Ratio Lower Upper
 180 100
 182 98.1 74.1 111.1
 145 34.4 26.6 40.0



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





#69

Naphthalene

Concen: 57.86 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD05045

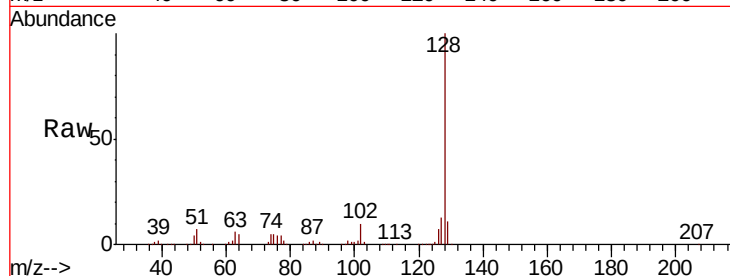
Tgt Ion:128 Resp: 758542

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

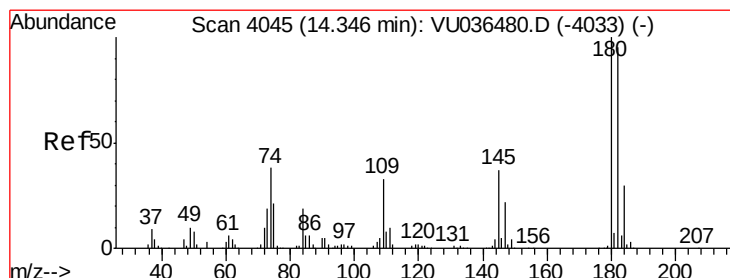
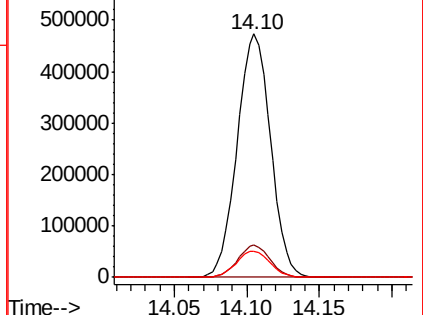
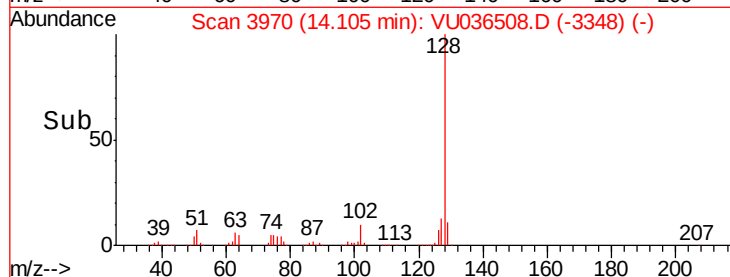
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 55.69 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. 0.00 min

Lab File: VU036508.D

Acq: 17 Jan 2020 09:42

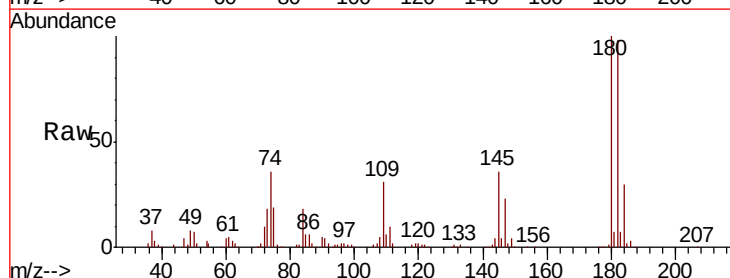
Tgt Ion:180 Resp: 224141

Ion Ratio Lower Upper

180 100

182 95.9 77.1 115.7

145 36.3 29.2 43.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

