

Data File : VU036728.D
Acq On : 11 Feb 2020 17:31
Operator : JC/MD
Sample : VSTD02002
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Quant Time: Feb 12 07:36:28 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 12 07:32:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	124951	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	116941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	56213	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	225355	23.97	ug/L	0.00
7) Chloroethane-d5	1.92	69	190847	22.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	371198	22.01	ug/L	0.00
20) 2-Butanone-d5	4.67	46	502179	216.43	ug/L	0.00
24) Chloroform-d	5.11	84	356549	19.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.75	65	192845	19.87	ug/L	0.00
32) Benzene-d6	5.77	84	754417	21.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.73	67	238437	21.72	ug/L	0.00
41) Toluene-d8	7.93	98	702728	21.78	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.21	79	95690	19.38	ug/L	0.00
46) 2-Hexanone-d5	8.67	63	453736	213.24	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.78	84	192157	20.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	230757	19.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	164559	16.919 ug/L	100
3) Chloromethane	1.54	50	169643	17.985 ug/L	97
5) Vinyl chloride	1.62	62	198396	19.049 ug/L	97
6) Bromomethane	1.86	94	116541	19.300 ug/L	96
8) Chloroethane	1.94	64	128558	20.445 ug/L	99
9) Trichlorofluoromethane	2.15	101	254583	17.527 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	161429	20.613 ug/L	99
12) 1,1-Dichloroethene	2.60	96	148345	19.486 ug/L	97
13) Acetone	2.66	43	530180	292.116 ug/L	100
14) Carbon disulfide	2.82	76	354258	14.961 ug/L	100
15) Methyl Acetate	2.98	43	75569	22.123 ug/L	99
16) Methylene chloride	3.08	84	183952	18.396 ug/L	99
17) Methyl tert-butyl Ether	3.41	73	446476	20.082 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	156095	18.580 ug/L	100
19) 1,1-Dichloroethane	3.91	63	327065	20.810 ug/L	99
21) 2-Butanone	4.75	43	660892	249.113 ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	190160	19.692 ug/L	97
23) Bromochloromethane	5.02	128	74660	18.811 ug/L	97
25) Chloroform	5.13	83	325636	19.721 ug/L	99
27) 1,2-Dichloroethane	5.84	62	215676	19.873 ug/L	100
29) 1,1,1-Trichloroethane	5.36	97	257605	18.160 ug/L	99
30) Cyclohexane	5.43	56	275577	19.295 ug/L	98
31) Carbon tetrachloride	5.57	117	209115	17.455 ug/L	99
33) Benzene	5.82	78	706501	20.188 ug/L	100
34) Trichloroethene	6.58	95	180646	19.442 ug/L	99
35) Methylcyclohexane	6.80	83	291287	19.767 ug/L	99
37) 1,2-Dichloropropane	6.83	63	193970	21.330 ug/L	100
38) Bromodichloromethane	7.14	83	236977	19.351 ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	300734	20.556 ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	1320212	207.890 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	776598	20.158	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	237267	19.842	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	135438	20.579	ug/L	99
47) Tetrachloroethene	8.58	164	119520	18.429	ug/L	97
48) 2-Hexanone	8.72	43	1113512	237.500	ug/L	99
49) Dibromochloromethane	8.84	129	148894	17.766	ug/L	96
50) 1,2-Dibromoethane	8.95	107	125404	19.237	ug/L	99
51) Chlorobenzene	9.47	112	479505	20.080	ug/L	98
52) Ethylbenzene	9.60	91	880540	20.679	ug/L	100
53) m,p-Xylene	9.72	106	326414	19.986	ug/L	94
54) o-Xylene	10.13	106	323264	20.323	ug/L	95
55) Styrene	10.14	104	566266	21.017	ug/L	99
56) Isopropylbenzene	10.51	105	869232	20.621	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.81	83	183234	20.685	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	130059	20.756	ug/L	100
61) Bromoform	10.32	173	80974	16.751	ug/L	97
62) 1,3-Dichlorobenzene	11.77	146	381515	20.158	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	376634	20.091	ug/L	99
65) 1,2-Dichlorobenzene	12.23	146	359924	20.026	ug/L	100
66) 1,2-Dibromo-3-chloropropan	13.01	75	29322	18.394	ug/L	96
67) 1,3,5-Trichlorobenzene	13.23	180	277536	20.676	ug/L	100
68) 1,2,4-trichlorobenzene	13.85	180	231735	23.422	ug/L	99
69) Naphthalene	14.10	128	457525	26.010	ug/L	99
70) 1,2,3-Trichlorobenzene	14.34	180	203253	21.368	ug/L	98

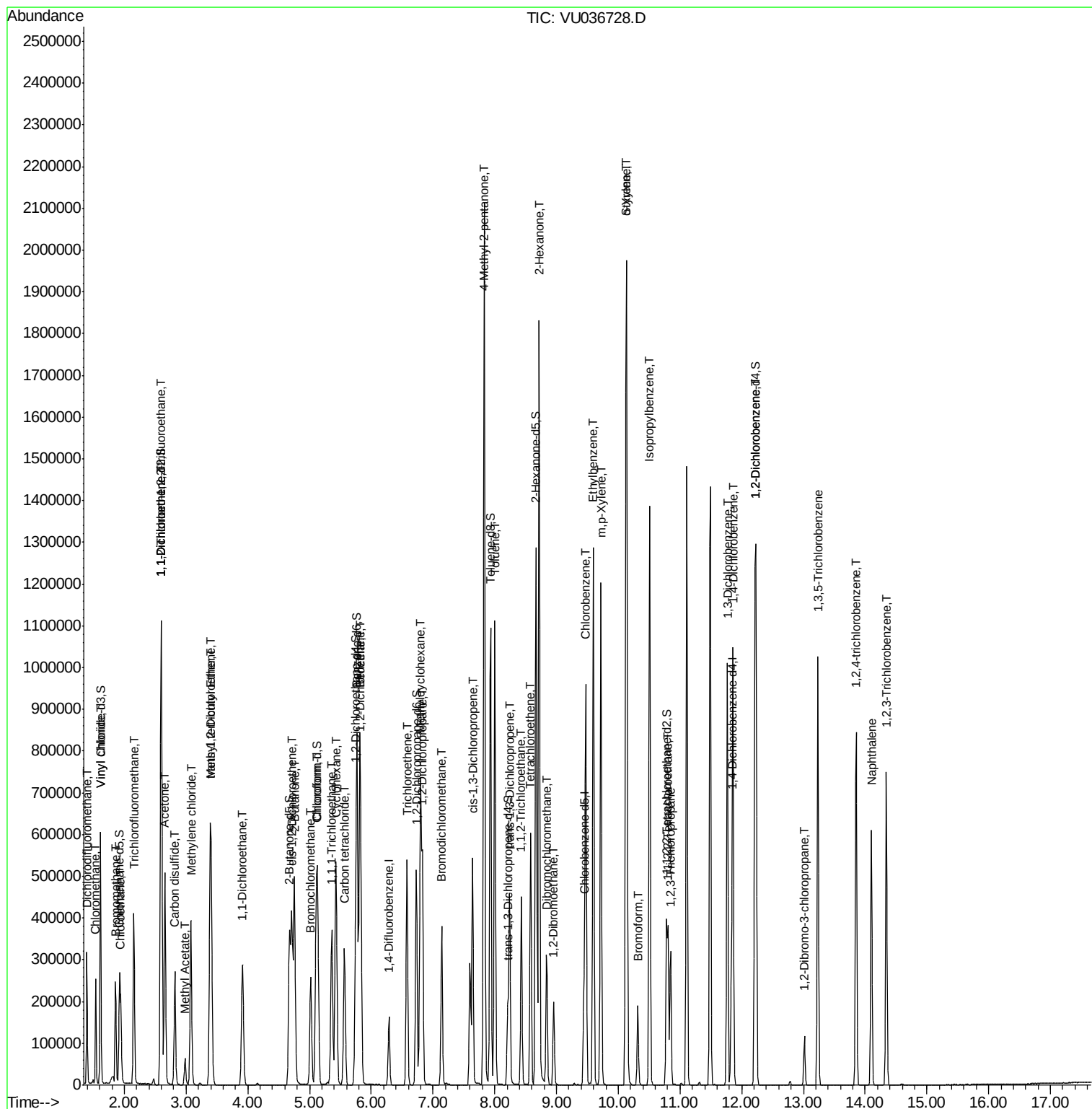
(#) = qualifier out of range (m) = manual integration (+) = signals summed

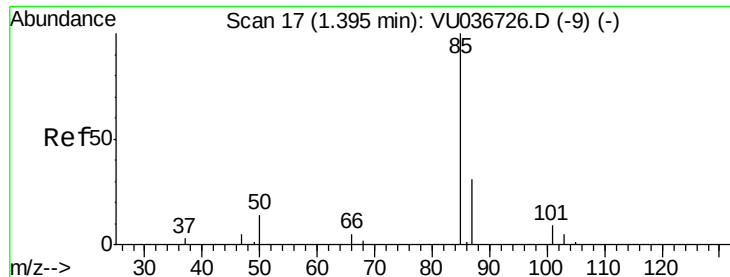
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#2

Dichlorodifluoromethane

Concen: 16.919 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

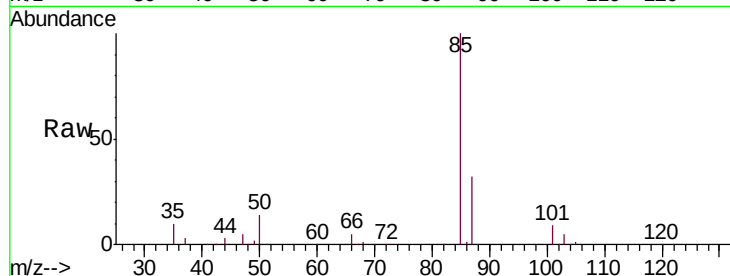
VSTD02002

Tgt Ion: 85 Resp: 164559

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036728.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU036728.D (-9) (-)

1.39

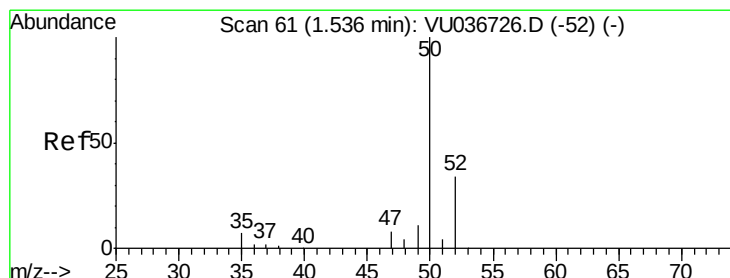
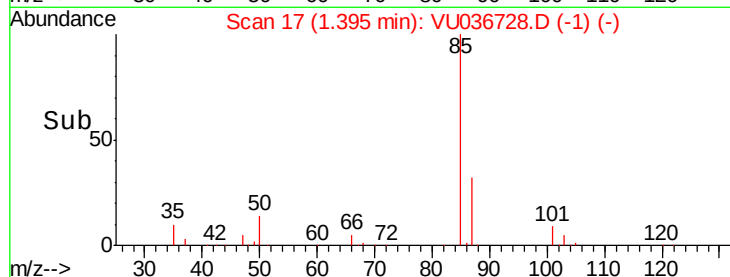
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 17.985 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU036728.D

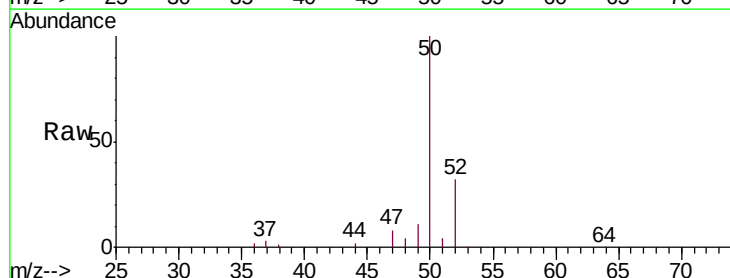
Acq: 11 Feb 2020 17:31

Tgt Ion: 50 Resp: 169643

Ion Ratio Lower Upper

50 100

52 32.5 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036728.D (-52) (-)

Ion 52.05 (51.75 to 52.75): VU036728.D (-52) (-)

1.54

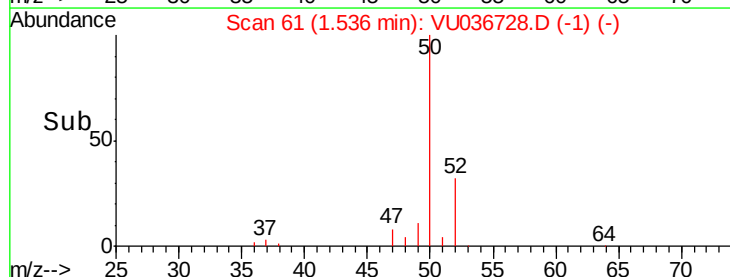
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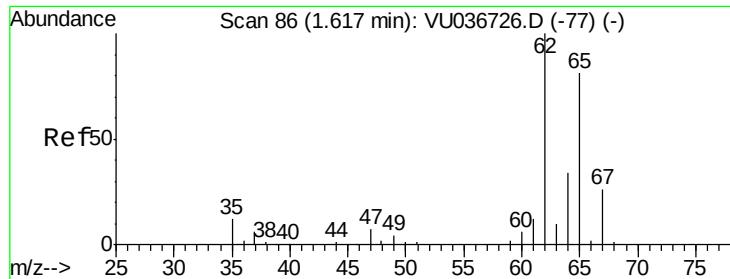
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 19.049 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

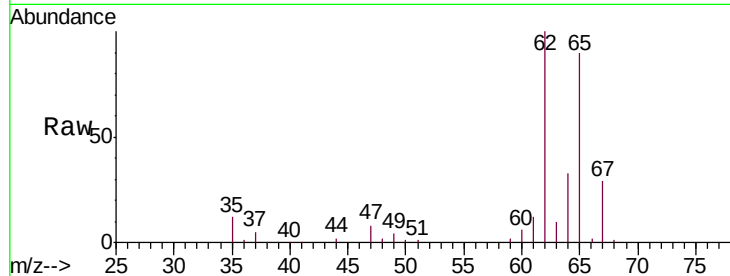
VSTD02002

Tgt Ion: 62 Resp: 198396

Ion Ratio Lower Upper

62 100

64 32.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU036728.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU036728.D (-77) (-)

1.62

200000

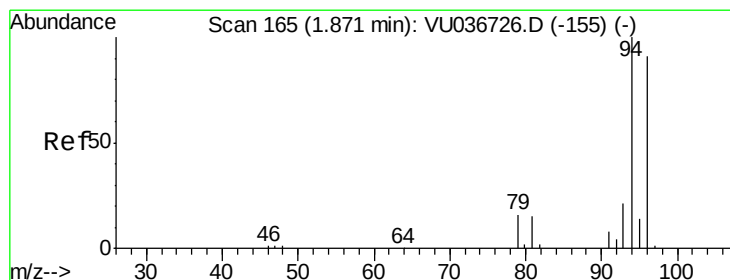
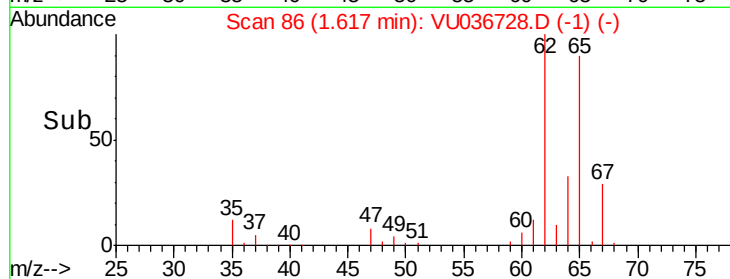
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 19.300 ug/L

RT: 1.86 min Scan# 161

Delta R.T. -0.01 min

Lab File: VU036728.D

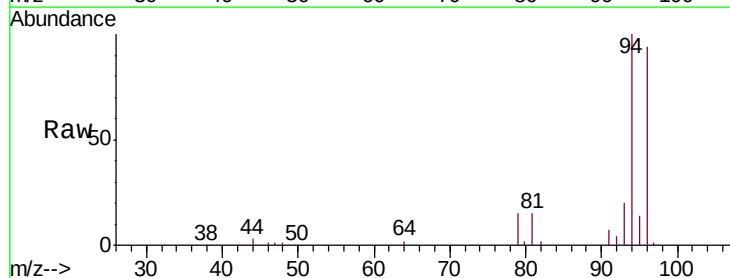
Acq: 11 Feb 2020 17:31

Tgt Ion: 94 Resp: 116541

Ion Ratio Lower Upper

94 100

96 94.3 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU036728.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU036728.D (-155) (-)

1.86

100000

80000

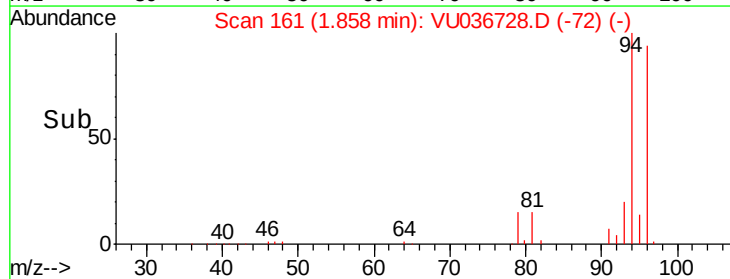
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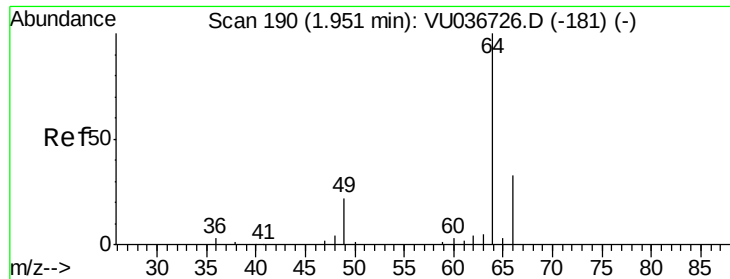
40000

20000

0

Time-->

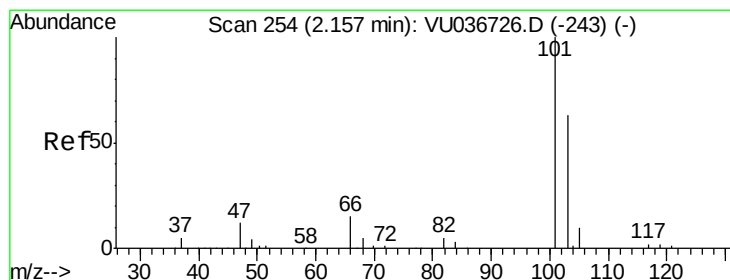
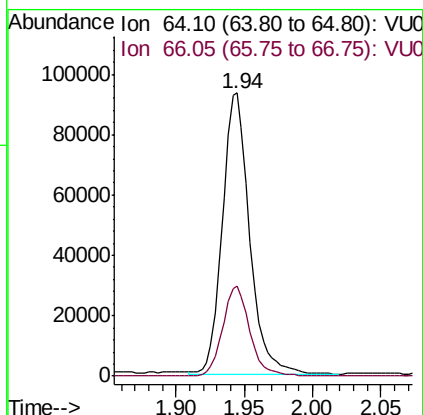
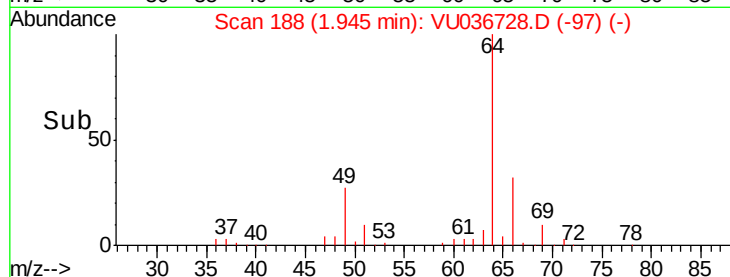
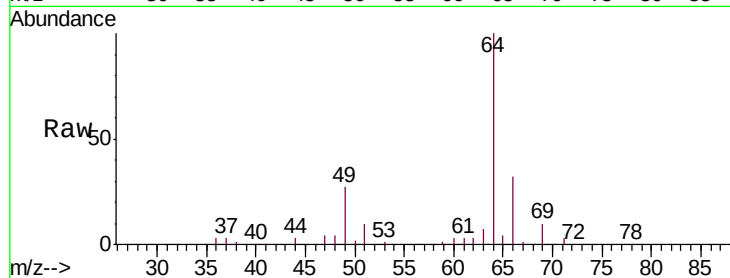




#8
Chloroethane
Concen: 20.445 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.01 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

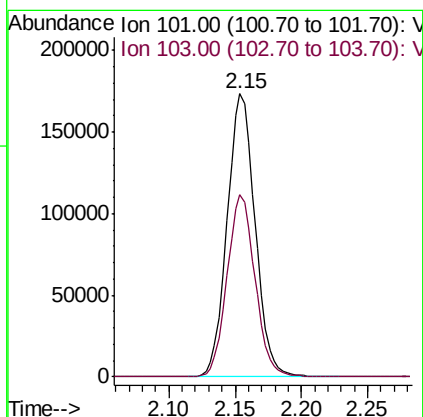
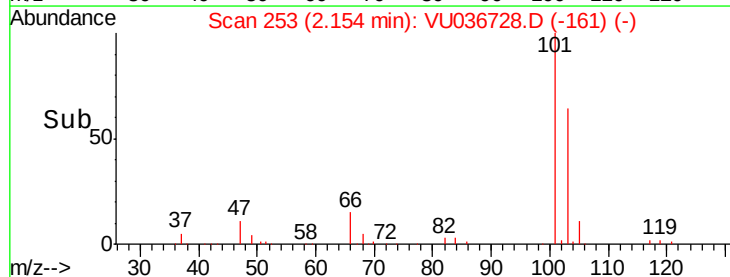
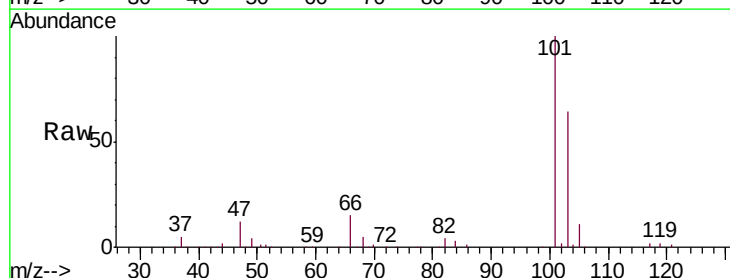
Instrument :
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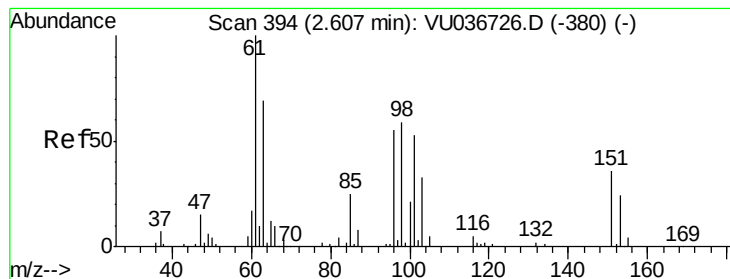
Tgt Ion: 64 Resp: 128558
Ion Ratio Lower Upper
64 100
66 31.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 17.527 ug/L
RT: 2.15 min Scan# 253
Delta R.T. -0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion: 101 Resp: 254583
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6





#10

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

Concen: 20.613 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

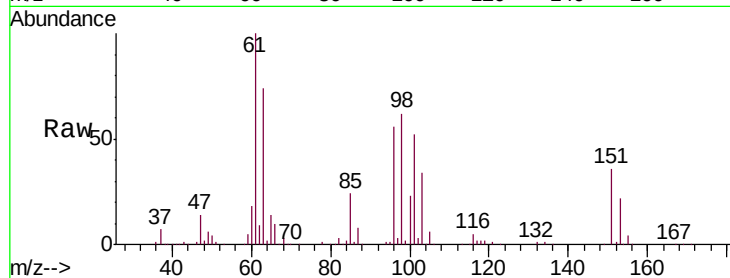
Tgt Ion: 101 Resp: 161429

Ion Ratio Lower Upper

101 100

85 44.9 36.4 54.6

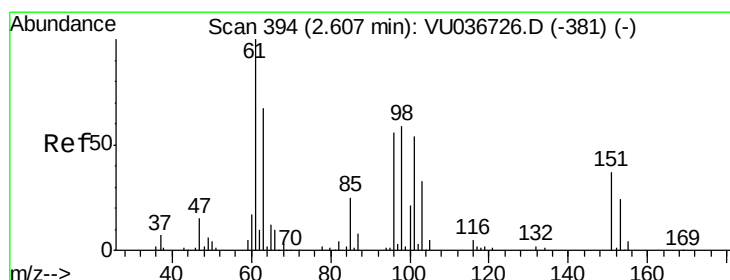
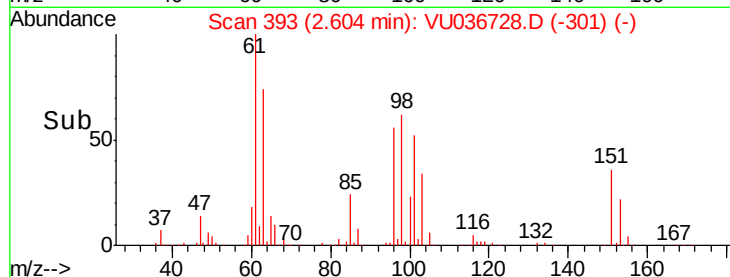
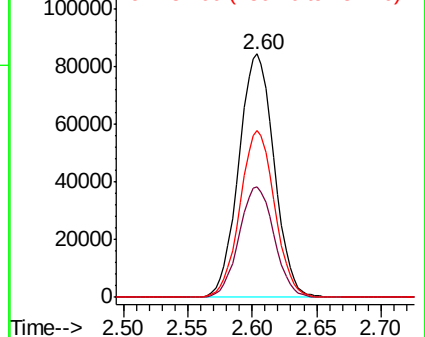
151 67.1 54.0 81.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 19.486 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

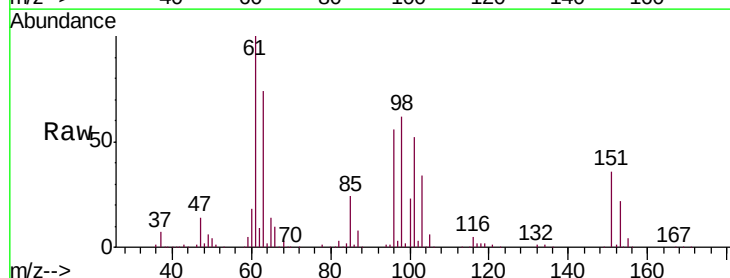
Tgt Ion: 96 Resp: 148345

Ion Ratio Lower Upper

96 100

61 178.5 126.4 234.8

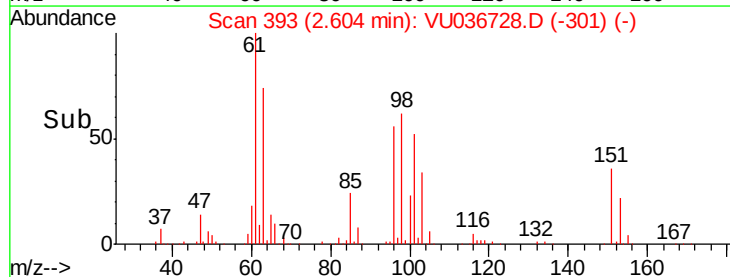
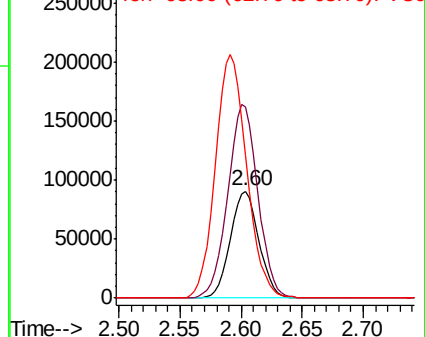
63 132.5 89.5 166.3

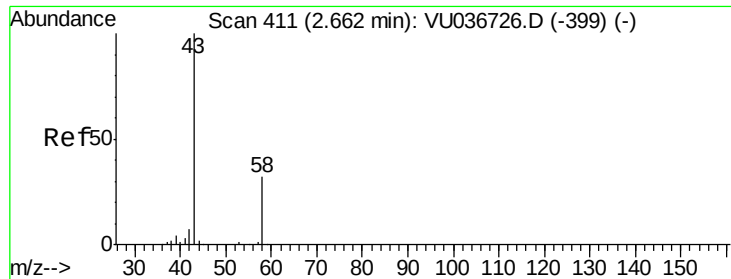


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 292.116 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.00 min

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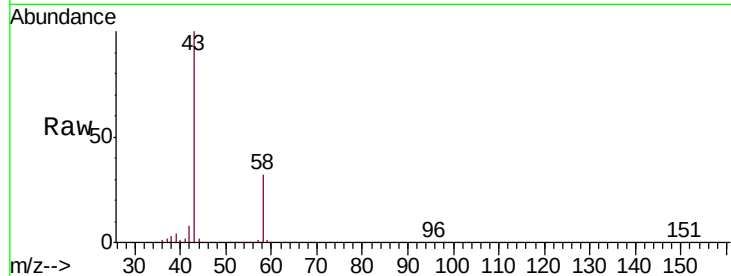
VSTD02002

Tgt Ion: 43 Resp: 530180

Ion Ratio Lower Upper

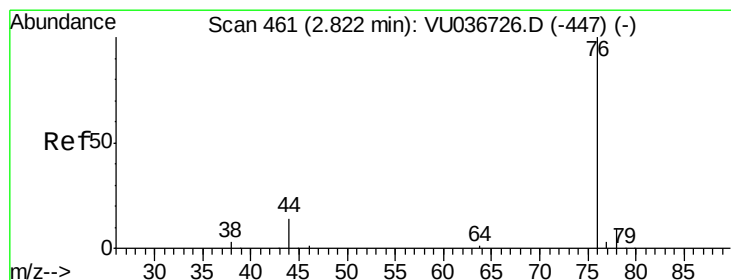
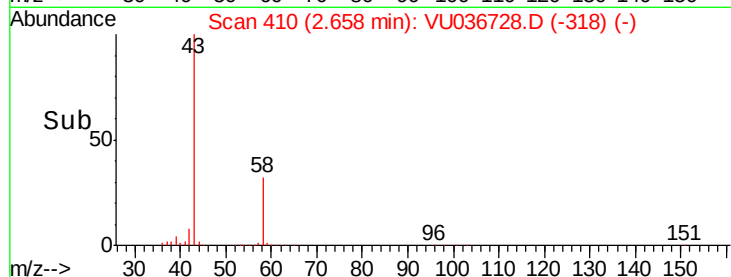
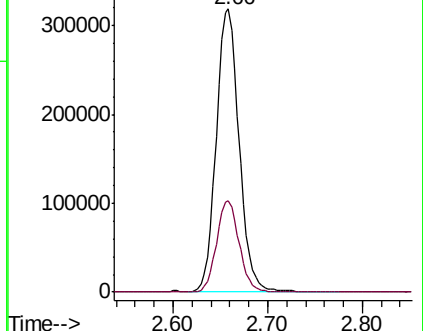
43 100

58 32.1 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036728.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU036728.D (-399) (-)



#14

Carbon disulfide

Concen: 14.961 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036728.D

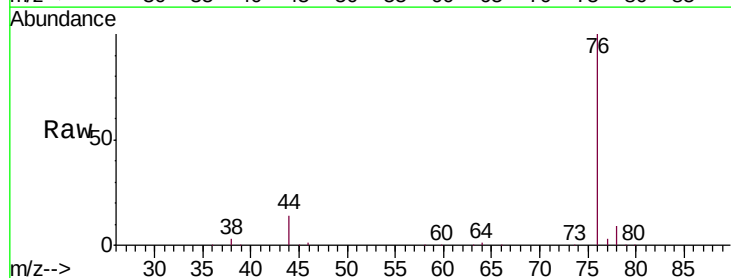
Acq: 11 Feb 2020 17:31

Tgt Ion: 76 Resp: 354258

Ion Ratio Lower Upper

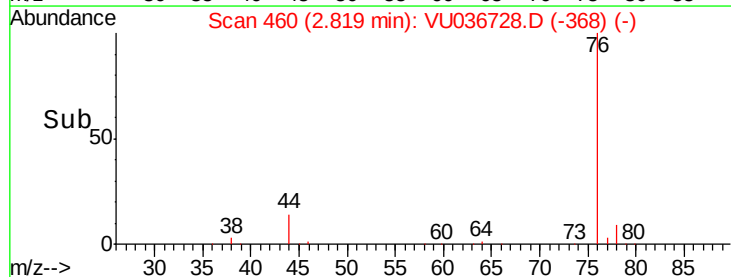
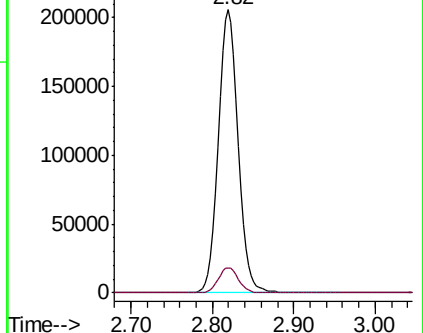
76 100

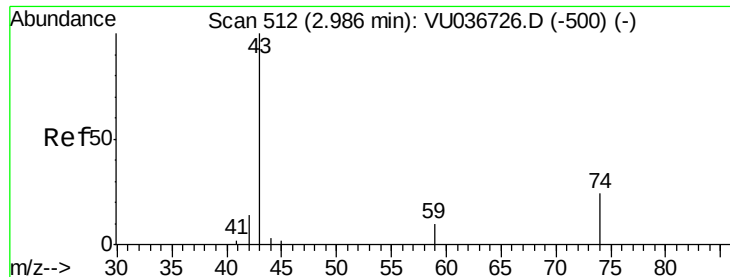
78 9.0 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036728.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU036728.D (-368) (-)





#15

Methyl Acetate

Concen: 22.123 ug/L

RT: 2.98 min Scan# 511

Delta R.T. -0.00 min

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ClientSampleId :

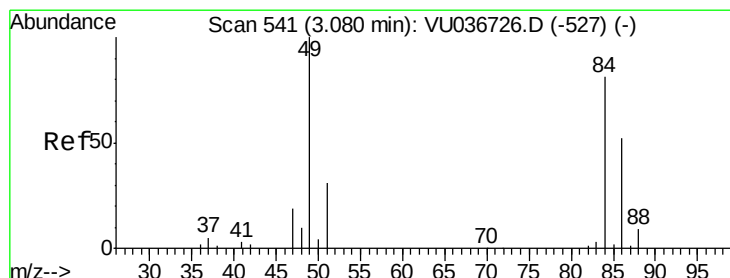
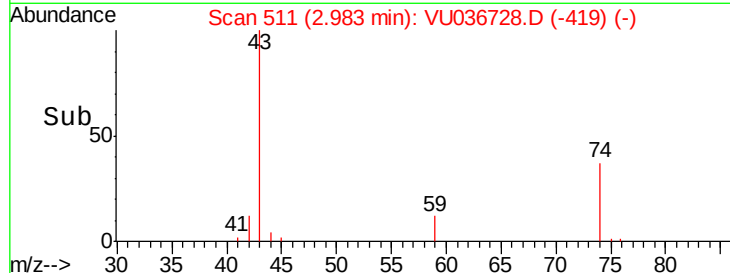
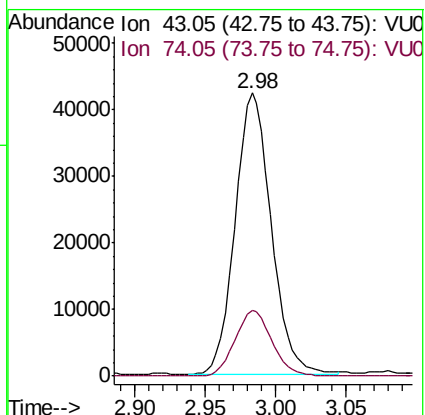
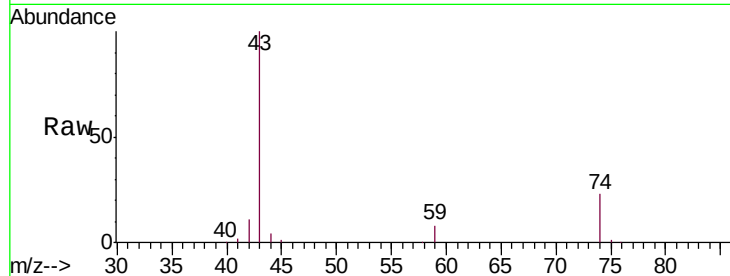
VSTD02002

Tgt Ion: 43 Resp: 75569

Ion Ratio Lower Upper

43 100

74 24.0 19.0 28.4



#16

Methylene chloride

Concen: 18.396 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

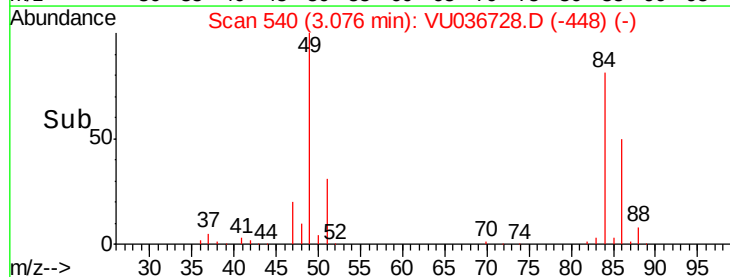
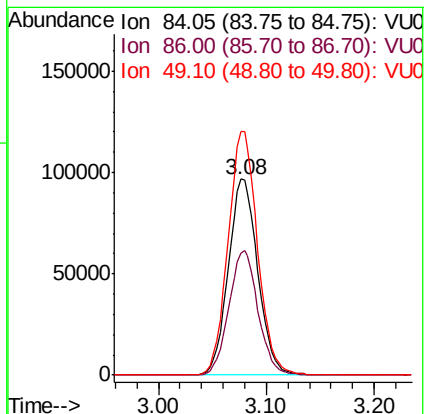
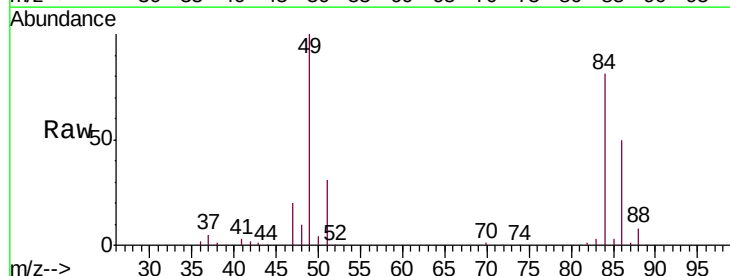
Tgt Ion: 84 Resp: 183952

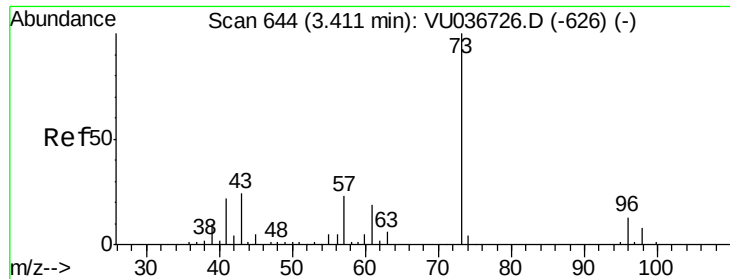
Ion Ratio Lower Upper

84 100

86 62.4 44.7 82.9

49 124.1 86.7 160.9

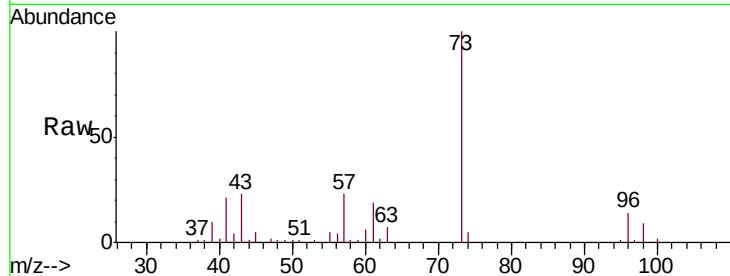




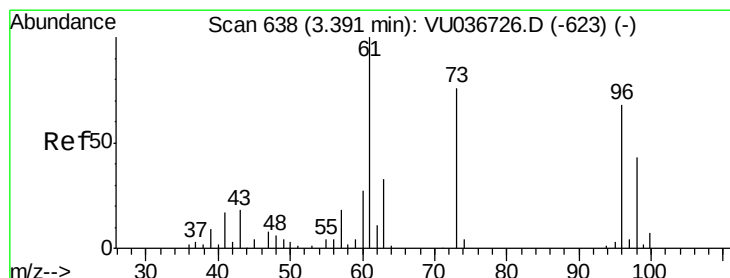
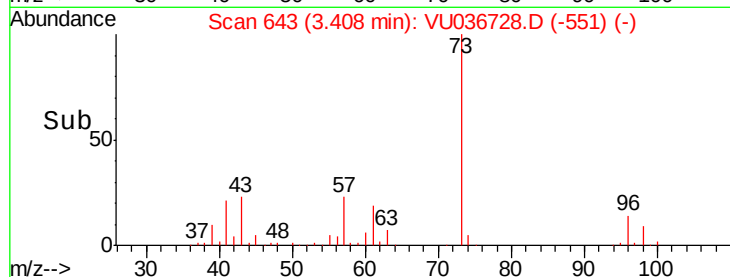
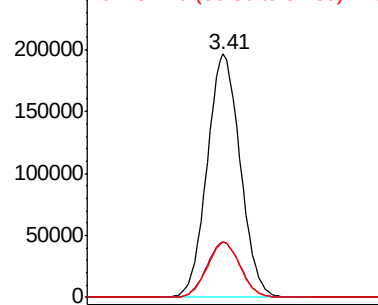
#17
Methyl tert-butyl Ether
Concen: 20.082 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion: 73 Resp: 446476
Ion Ratio Lower Upper
73 100
43 23.0 18.7 28.1
57 22.5 17.9 26.9

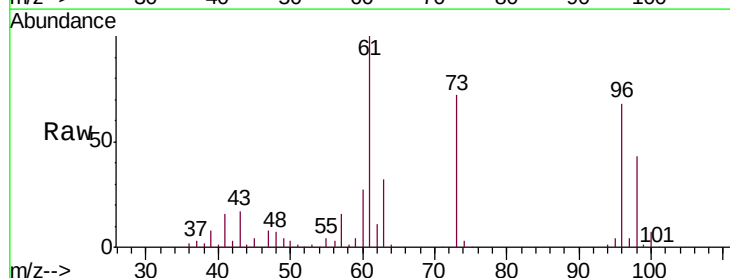


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

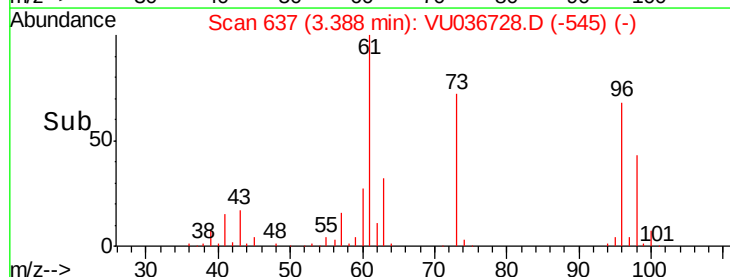
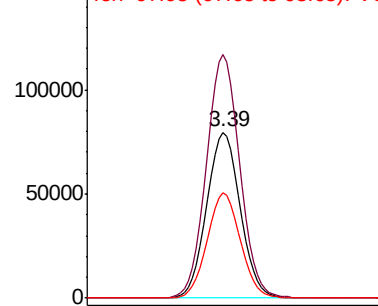


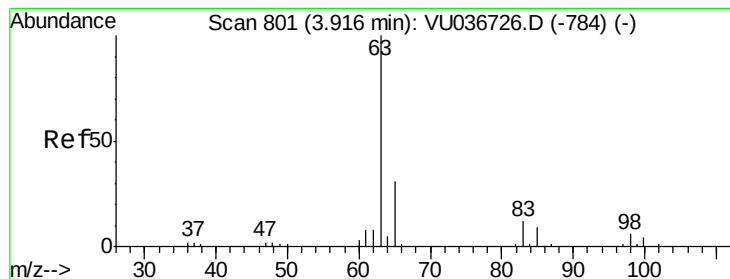
#18
trans-1,2-Dichloroethene
Concen: 18.580 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion: 96 Resp: 156095
Ion Ratio Lower Upper
96 100
61 147.0 102.6 190.5
98 63.7 44.5 82.7



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





#19

1,1-Dichloroethane

Concen: 20.810 ug/L

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

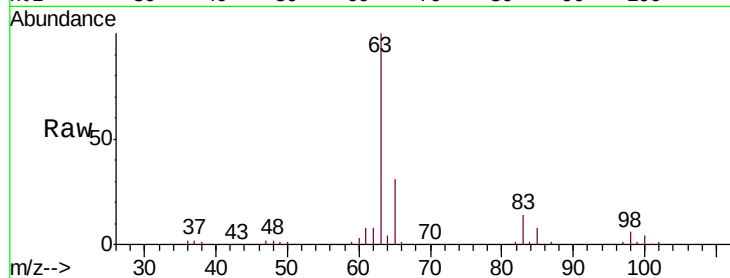
Tgt Ion: 63 Resp: 327065

Ion Ratio Lower Upper

63 100

65 31.3 21.6 40.2

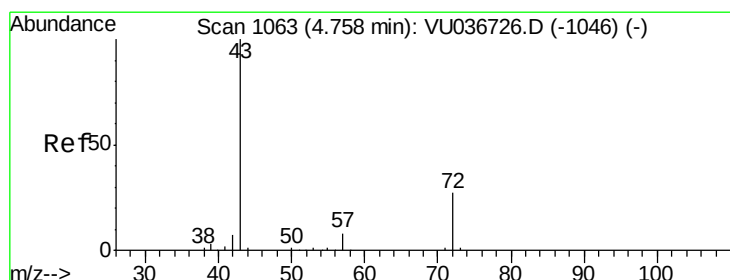
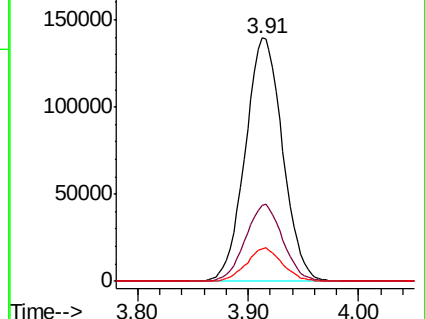
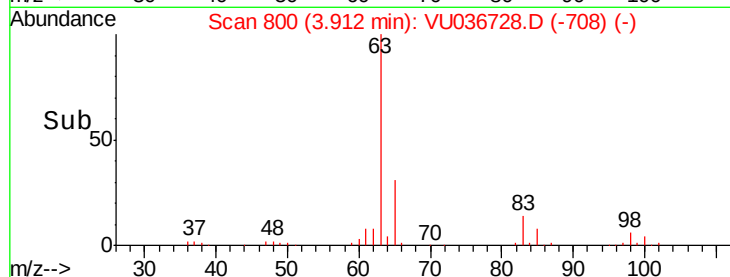
83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU036728.D (-784) (-)

Ion 65.10 (64.80 to 65.80): VU036728.D (-784) (-)

Ion 83.05 (82.75 to 83.75): VU036728.D (-784) (-)



#21

2-Butanone

Concen: 249.113 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VU036728.D

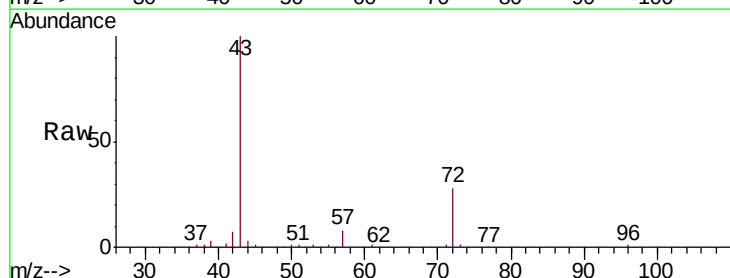
Acq: 11 Feb 2020 17:31

Tgt Ion: 43 Resp: 660892

Ion Ratio Lower Upper

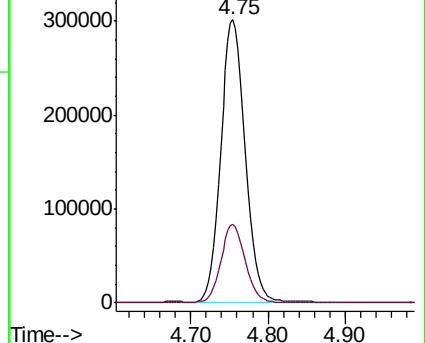
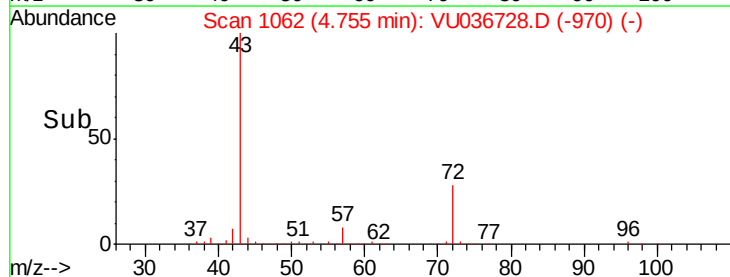
43 100

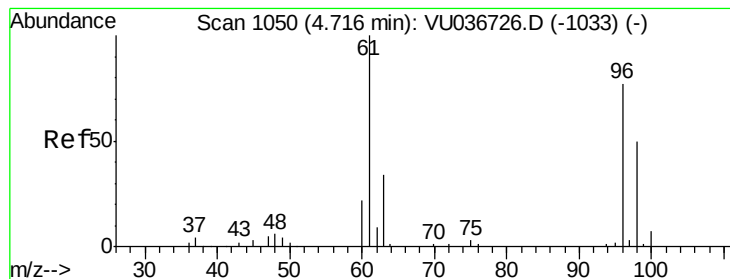
72 28.0 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036728.D (-970) (-)

Ion 72.10 (71.80 to 72.80): VU036728.D (-970) (-)





#22

cis-1,2-Dichloroethene

Concen: 19.692 ug/L

RT: 4.71 min Scan# 1049

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

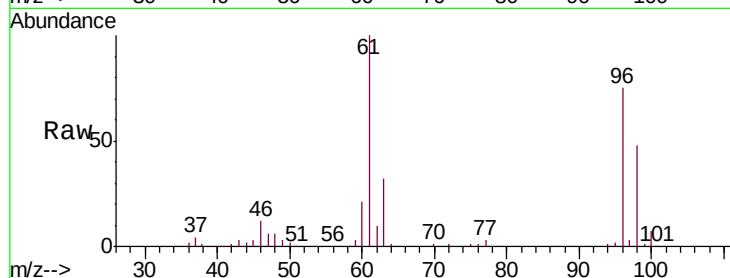
Tgt Ion: 96 Resp: 190160

Ion Ratio Lower Upper

96 100

61 133.4 91.2 169.4

68 0.0 0.0 0.0

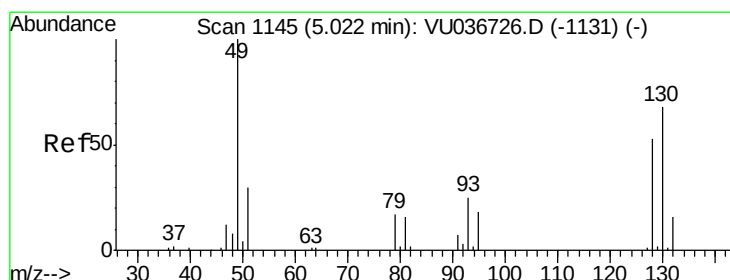
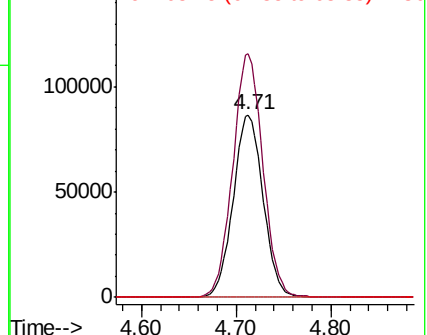
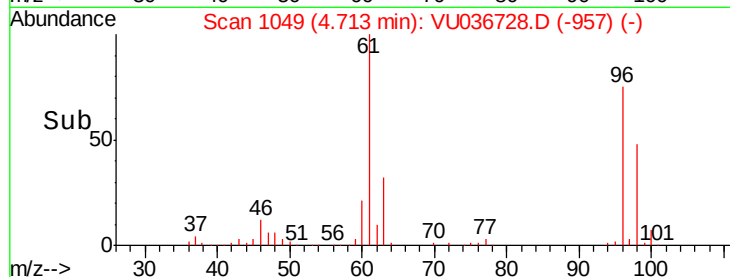


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 18.811 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Tgt Ion: 128 Resp: 74660

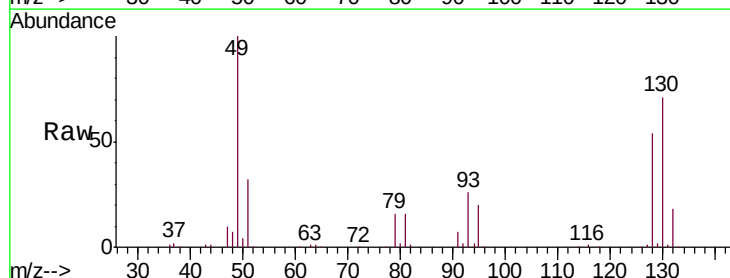
Ion Ratio Lower Upper

128 100

49 185.1 132.4 245.8

130 130.8 89.0 165.2

51 59.0 45.6 68.4



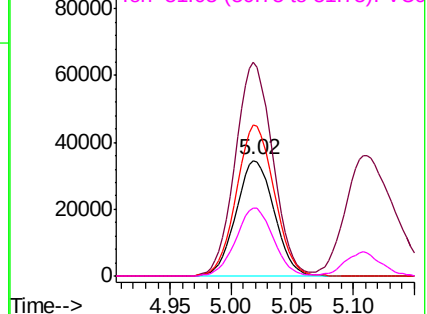
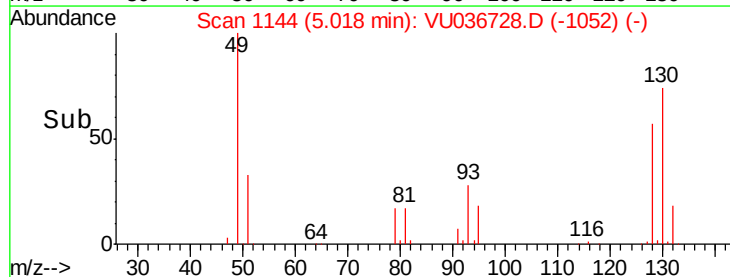
Abundance

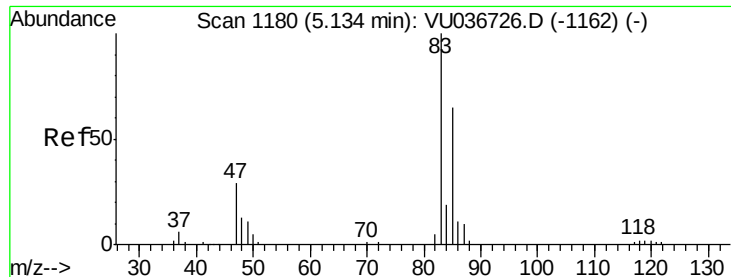
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

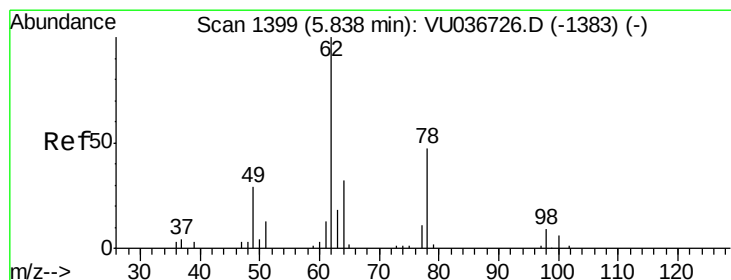
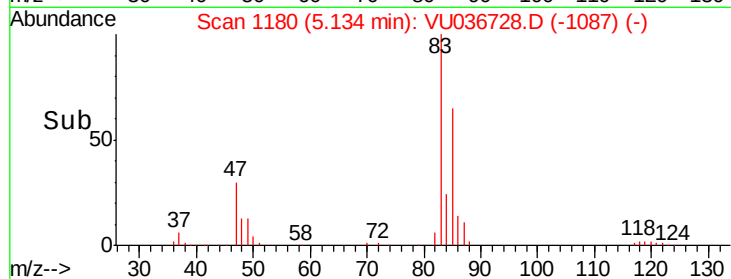
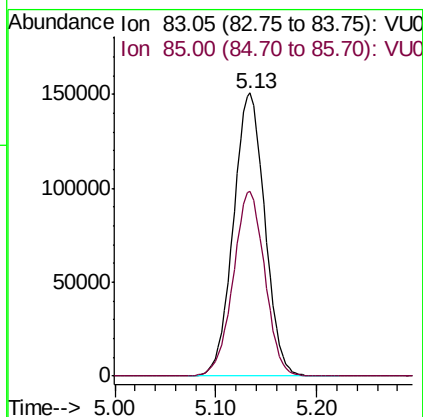
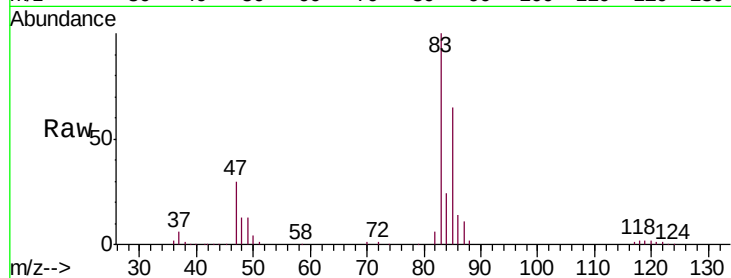




#25
Chloroform
Concen: 19.721 ug/L
RT: 5.13 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

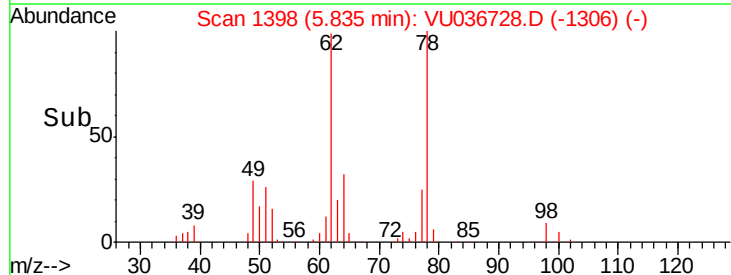
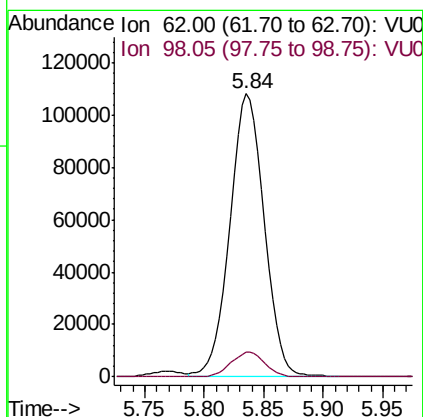
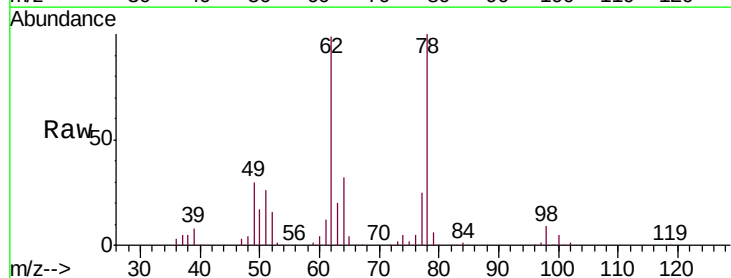
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

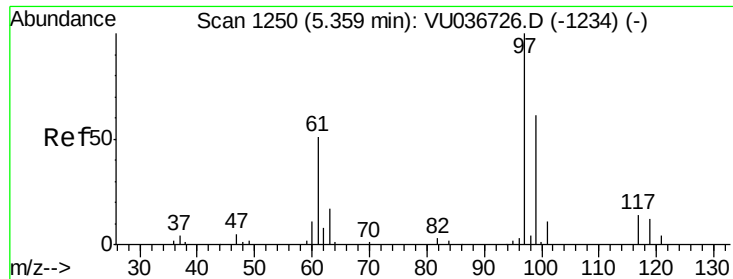
Tgt Ion: 83 Resp: 325636
Ion Ratio Lower Upper
83 100
85 65.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 19.873 ug/L
RT: 5.84 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion: 62 Resp: 215676
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

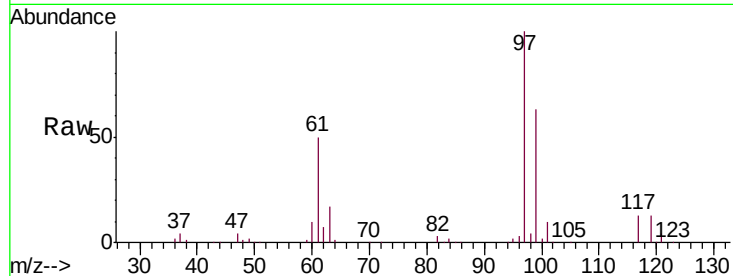




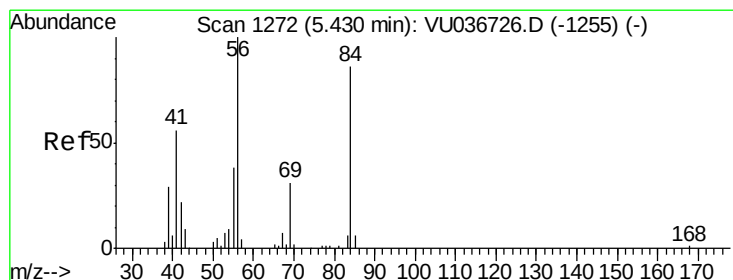
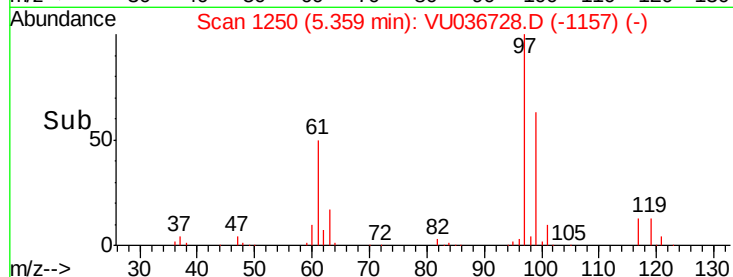
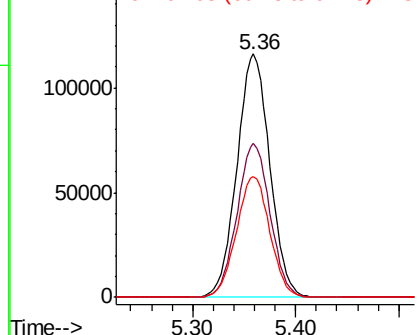
#29
 1,1,1-Trichloroethane
 Concen: 18.160 ug/L
 RT: 5.36 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion: 97 Resp: 257605
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.0 76.4
 61 50.6 41.6 62.4

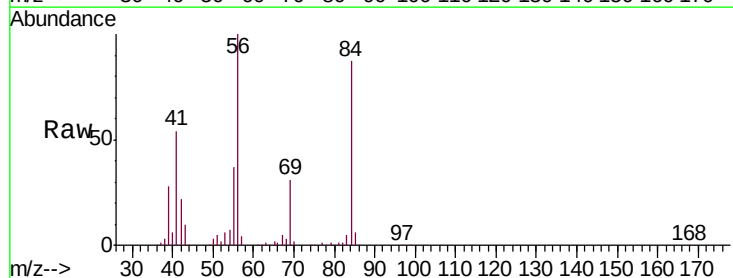


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

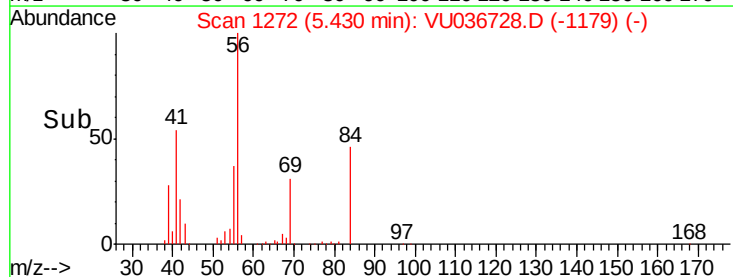
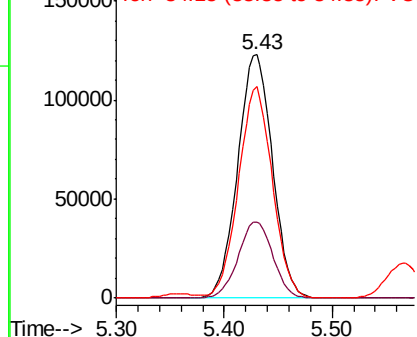


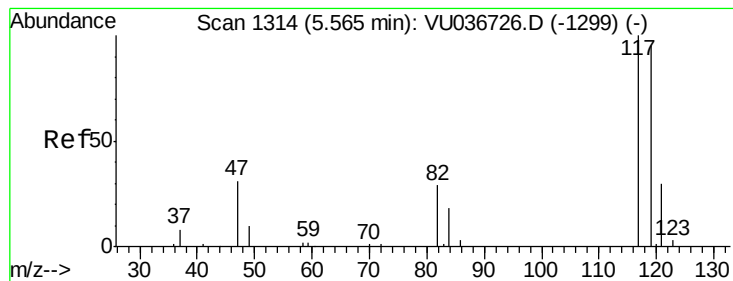
#30
 Cyclohexane
 Concen: 19.295 ug/L
 RT: 5.43 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion: 56 Resp: 275577
 Ion Ratio Lower Upper
 56 100
 69 31.2 24.6 37.0
 84 84.7 70.0 105.0



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: 17.455 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampled :

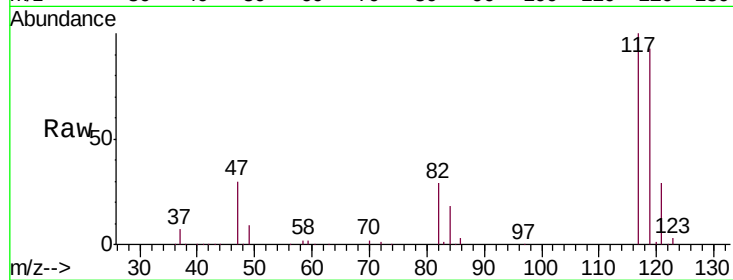
VSTD02002

Tgt Ion:117 Resp: 209115

Ion Ratio Lower Upper

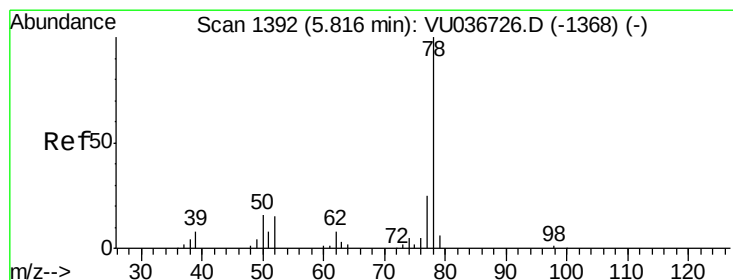
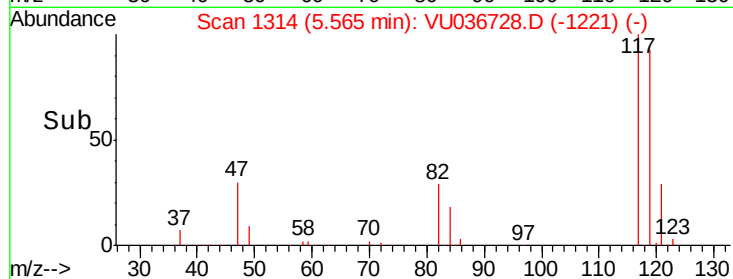
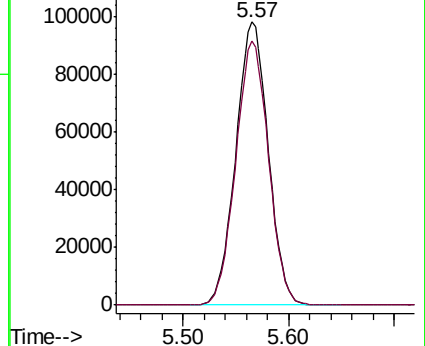
117 100

119 94.1 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 20.188 ug/L

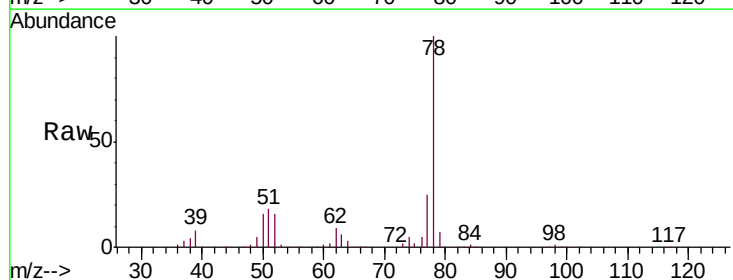
RT: 5.82 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VU036728.D

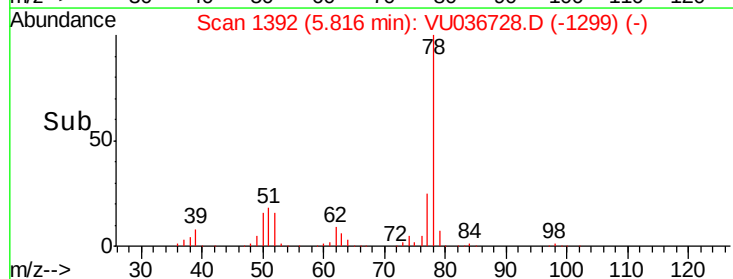
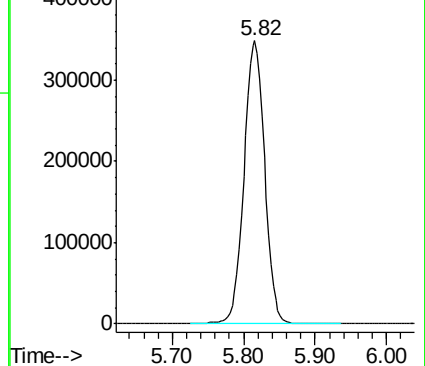
Acq: 11 Feb 2020 17:31

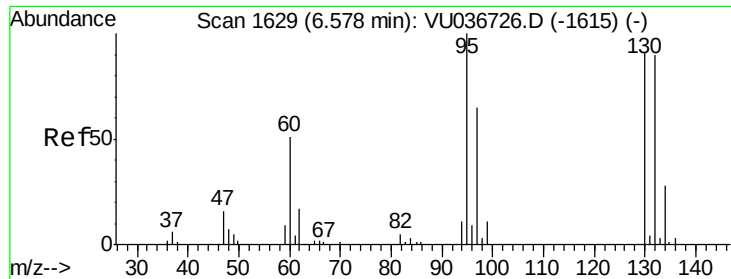
Tgt Ion: 78 Resp: 706501



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 19.442 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

Tgt Ion: 95 Resp: 180646

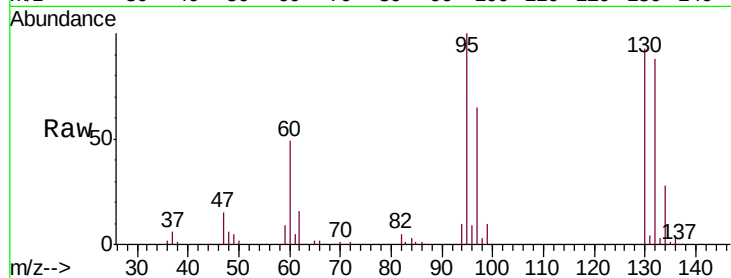
Ion Ratio Lower Upper

95 100

97 65.3 45.6 84.8

132 87.9 62.8 116.6

130 92.9 63.8 118.4

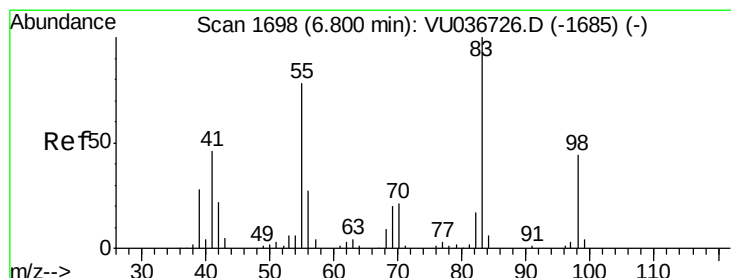
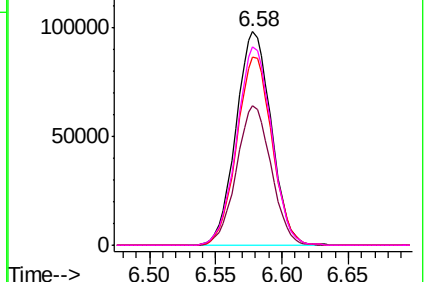
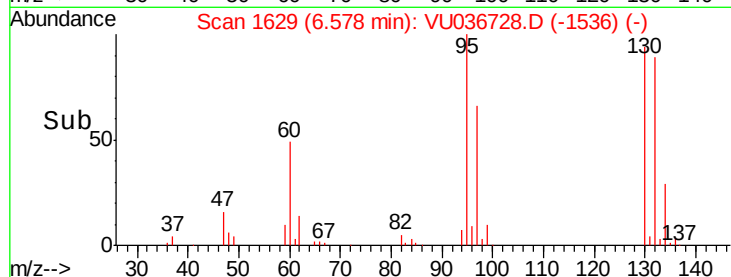


Abundance Ion 95.00 (94.70 to 95.70): VU036728.D (-1615) (-)

Ion 96.95 (96.65 to 97.65): VU036728.D (-1615) (-)

Ion 131.95 (131.65 to 132.65): VU036728.D (-1615) (-)

Ion 129.95 (129.65 to 130.65): VU036728.D (-1615) (-)



#35

Methylcyclohexane

Concen: 19.767 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

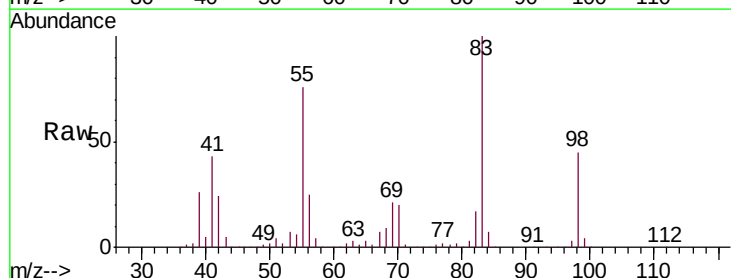
Tgt Ion: 83 Resp: 291287

Ion Ratio Lower Upper

83 100

55 76.5 61.0 91.4

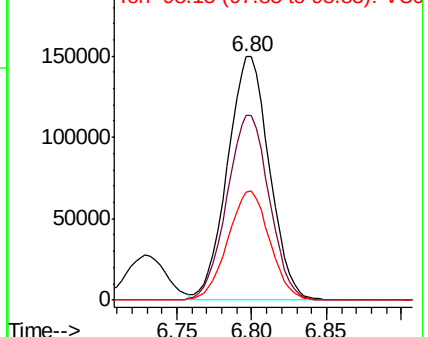
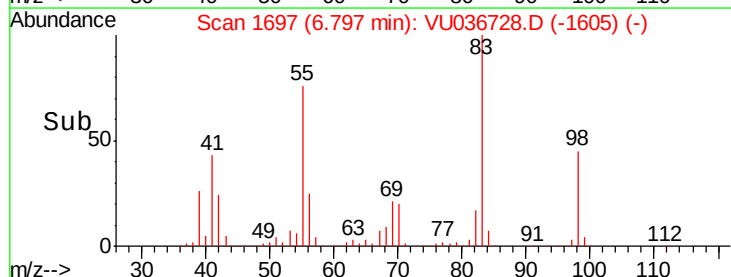
98 44.8 34.2 51.4

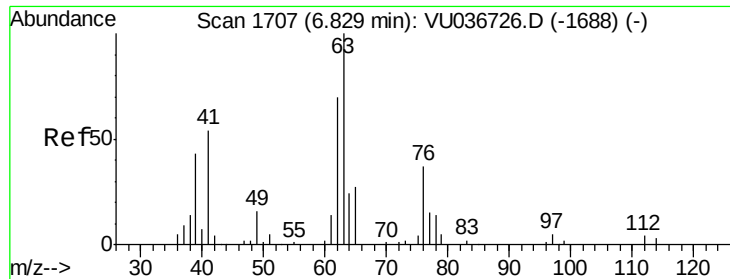


Abundance Ion 83.15 (82.85 to 83.85): VU036728.D (-1685) (-)

Ion 55.10 (54.80 to 55.80): VU036728.D (-1685) (-)

Ion 98.15 (97.85 to 98.85): VU036728.D (-1685) (-)

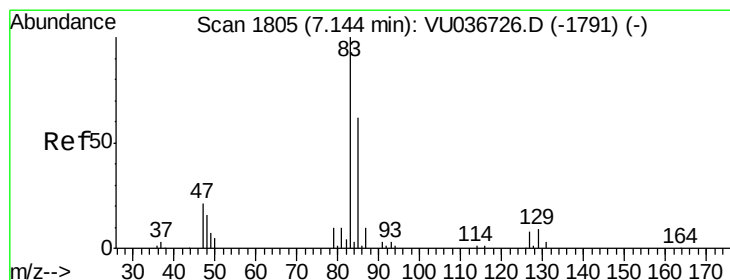
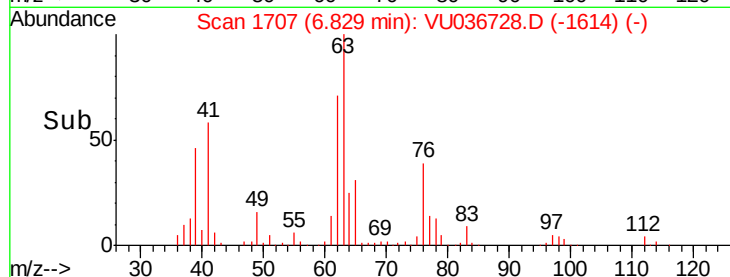
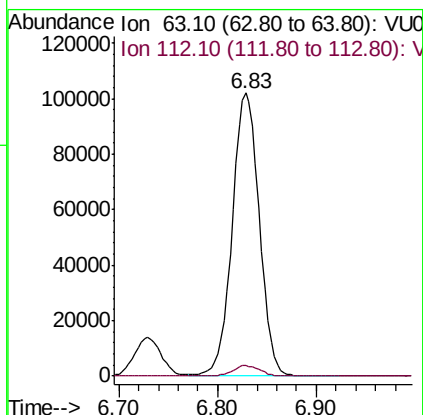
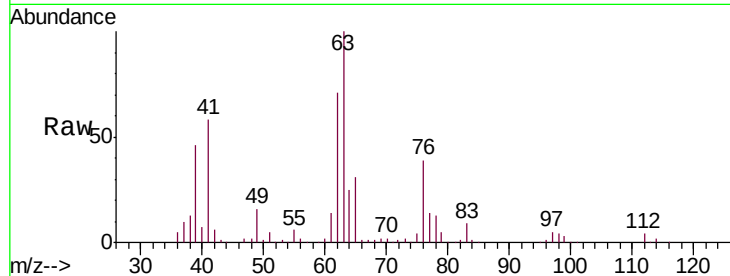




#37
 1,2-Dichloropropane
 Concen: 21.330 ug/L
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

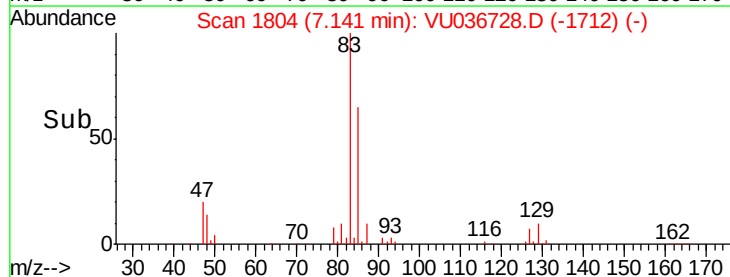
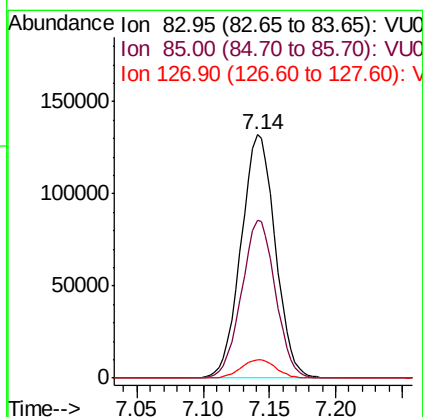
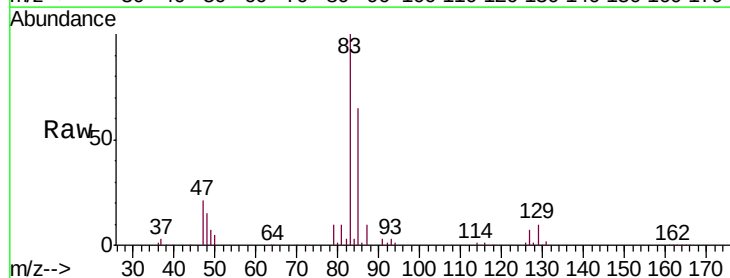
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

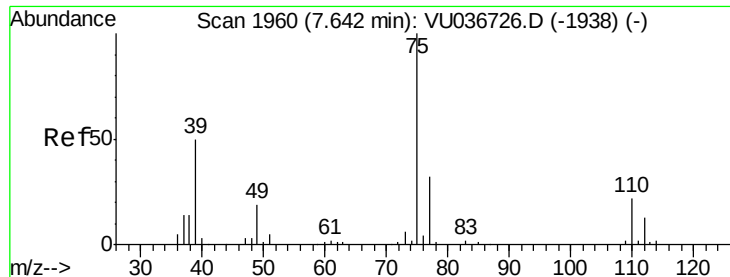
Tgt Ion: 63 Resp: 193970
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 19.351 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion: 83 Resp: 236977
 Ion Ratio Lower Upper
 83 100
 85 64.9 43.0 80.0
 127 7.3 6.3 9.5

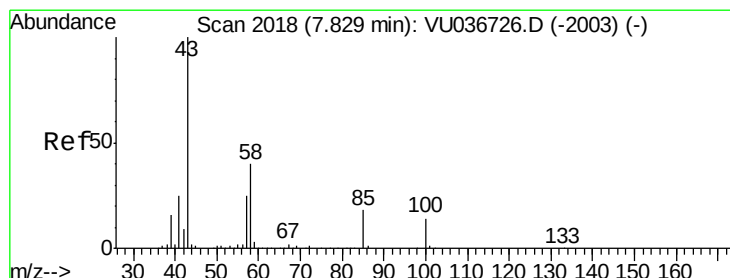
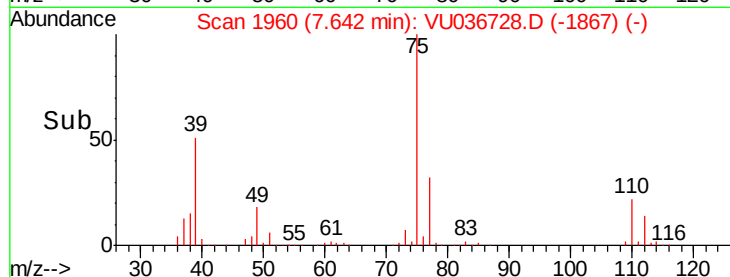
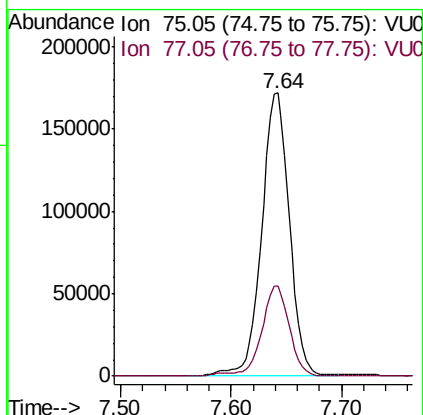
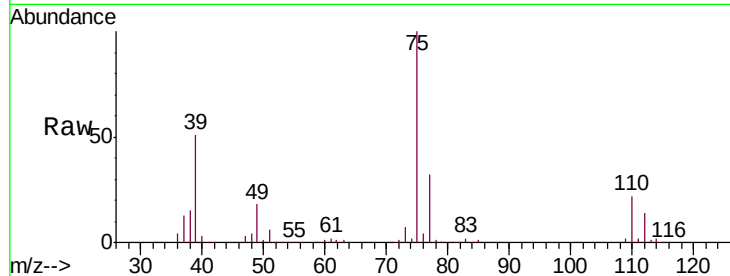




#39
 cis-1,3-Dichloropropene
 Concen: 20.556 ug/L
 RT: 7.64 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

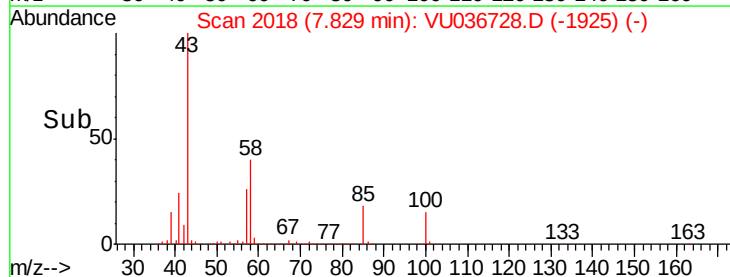
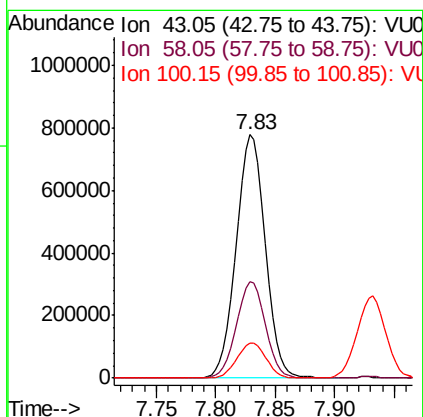
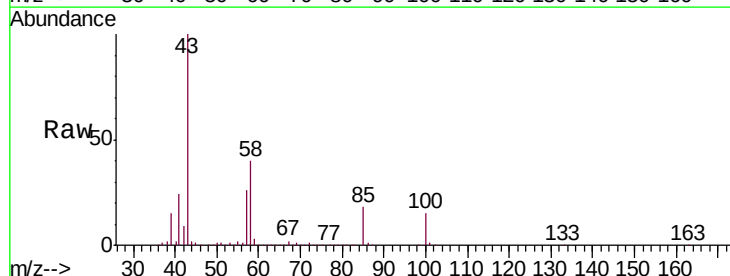
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

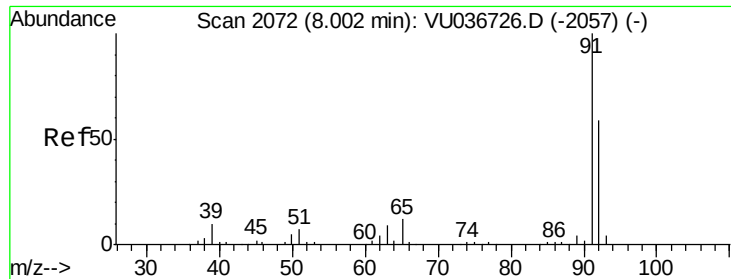
Tgt Ion: 75 Resp: 300734
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 207.890 ug/L
 RT: 7.83 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion: 43 Resp: 1320212
 Ion Ratio Lower Upper
 43 100
 58 39.7 32.0 48.0
 100 14.7 11.8 17.8





#42

Toluene

Concen: 20.158 ug/L

RT: 8.00 min Scan# 2072

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

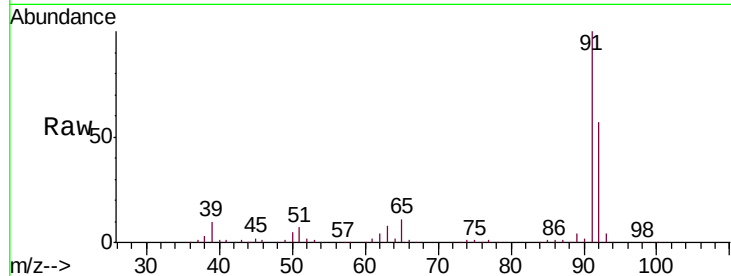
VSTD02002

Tgt Ion: 91 Resp: 776598

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036726.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036728.D (-1979) (-)

8.00

500000

400000

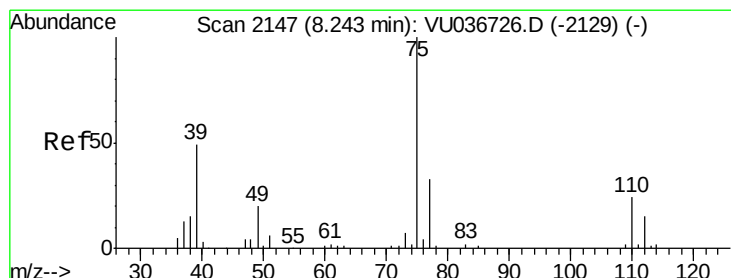
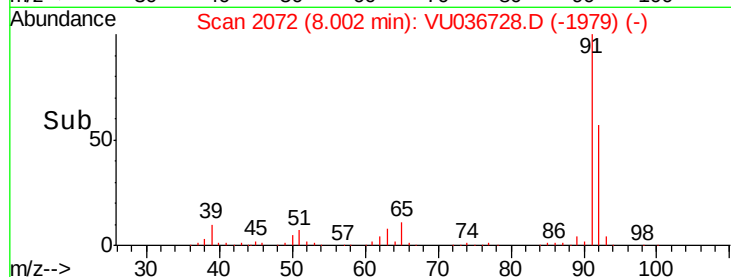
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 19.842 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036728.D

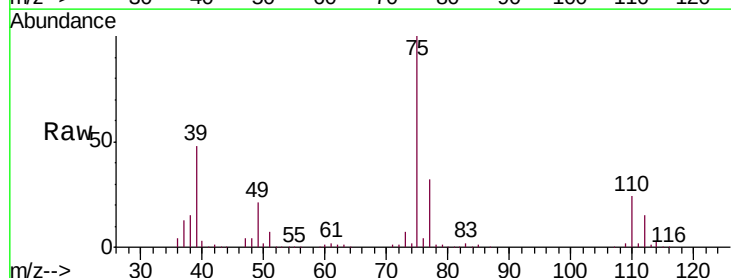
Acq: 11 Feb 2020 17:31

Tgt Ion: 75 Resp: 237267

Ion Ratio Lower Upper

75 100

77 32.3 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU036726.D (-2129) (-)

Ion 77.05 (76.75 to 77.75): VU036728.D (-2054) (-)

8.24

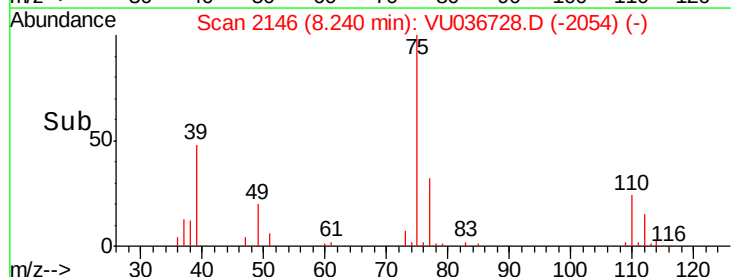
150000

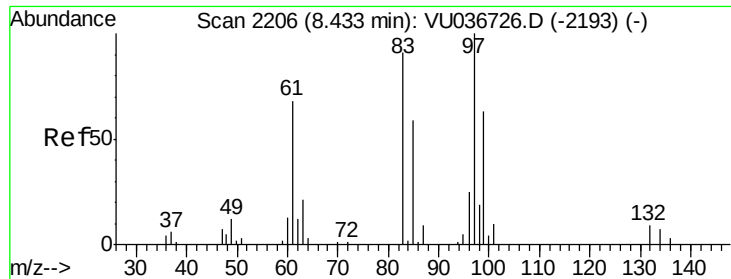
100000

50000

0

Time-->

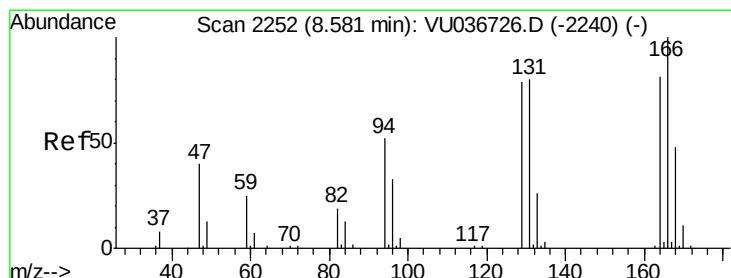
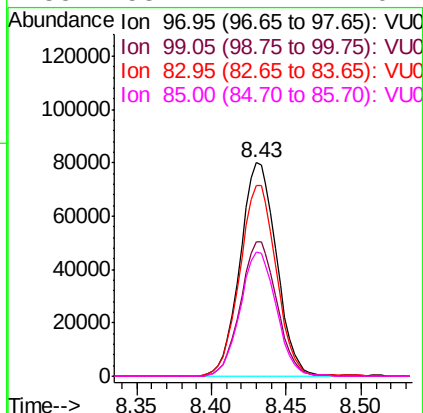
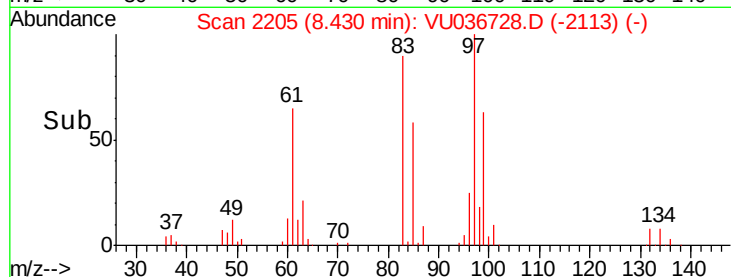
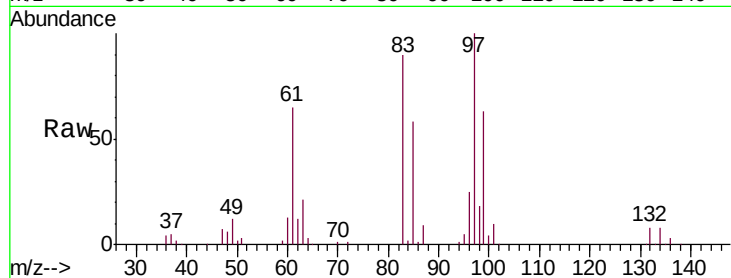




#45
1,1,2-Trichloroethane
Concen: 20.579 ug/L
RT: 8.43 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

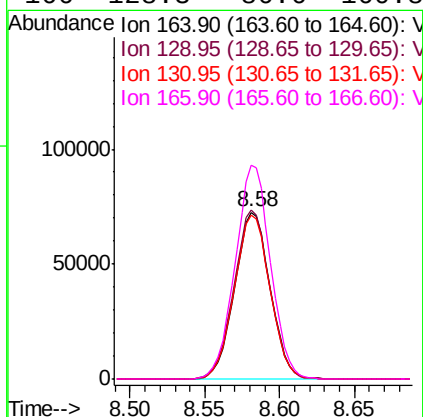
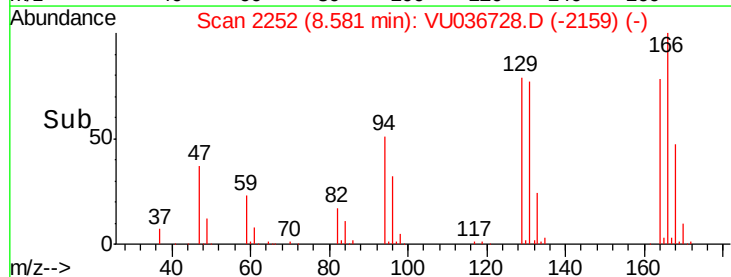
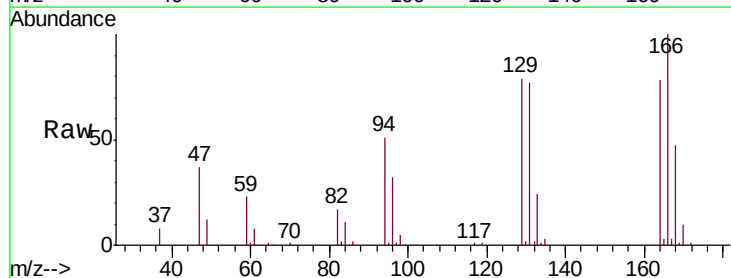
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

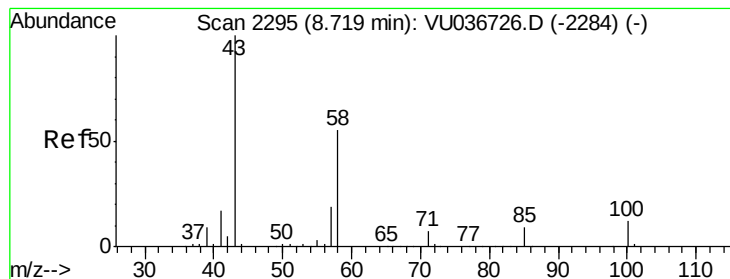
Tgt Ion:	97	Resp:	135438
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.1	81.9
83	89.5	63.5	117.9
85	58.1	41.2	76.4



#47
Tetrachloroethene
Concen: 18.429 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion:	164	Resp:	119520
Ion	Ratio	Lower	Upper
164	100		
129	101.8	68.0	126.4
131	98.6	69.4	128.8
166	128.3	86.6	160.8





#48

2-Hexanone

Concen: 237.500 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

Tgt Ion: 43 Resp: 1113512

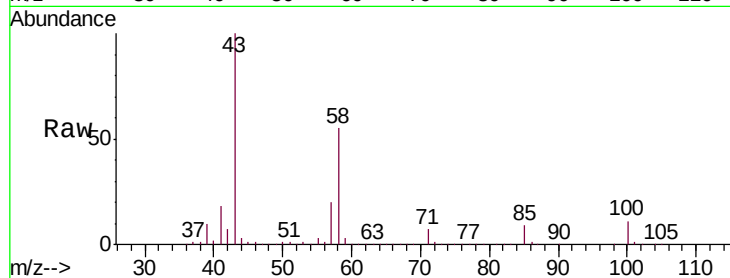
Ion Ratio Lower Upper

43 100

58 55.0 43.6 65.4

57 19.9 15.0 22.4

100 11.3 9.0 13.6

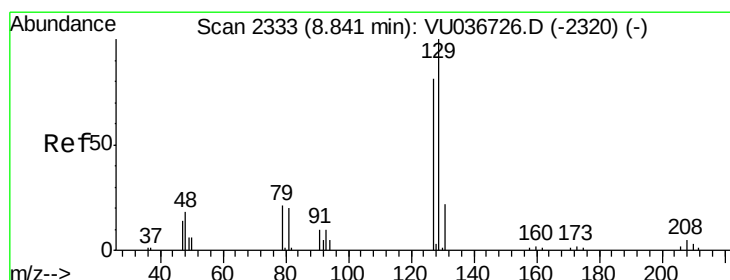
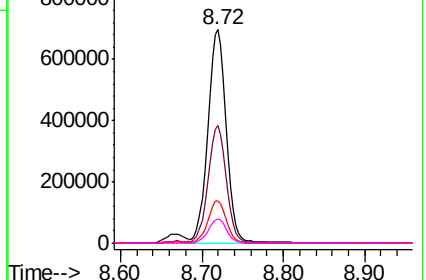
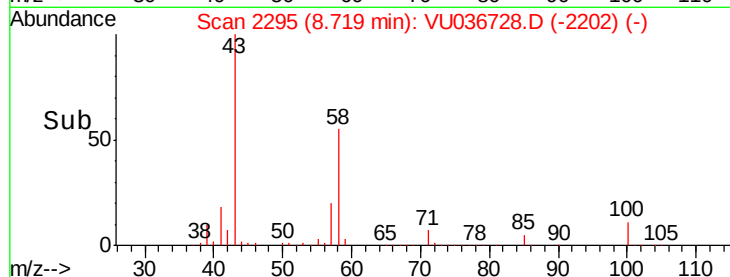


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0



#49

Dibromochloromethane

Concen: 17.766 ug/L

RT: 8.84 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VU036728.D

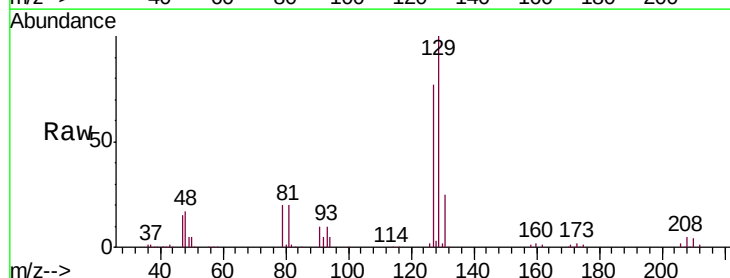
Acq: 11 Feb 2020 17:31

Tgt Ion: 129 Resp: 148894

Ion Ratio Lower Upper

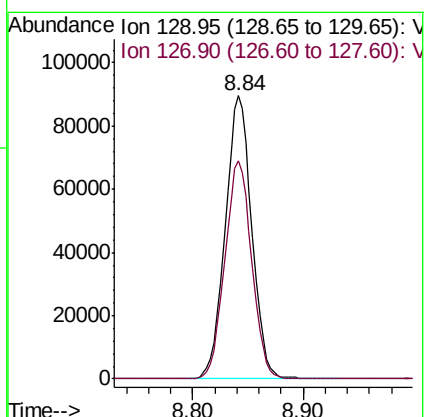
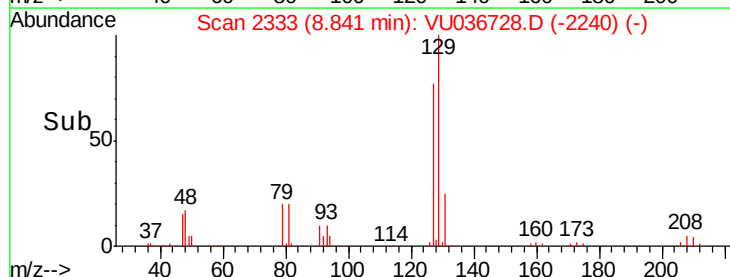
129 100

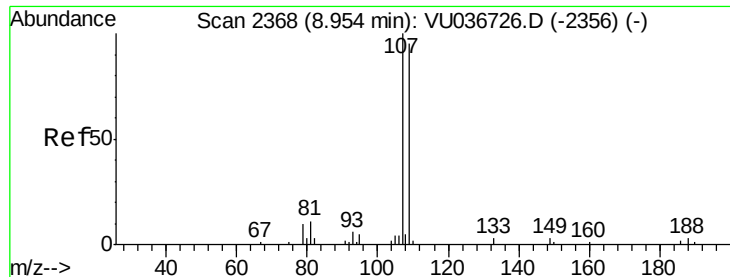
127 77.1 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

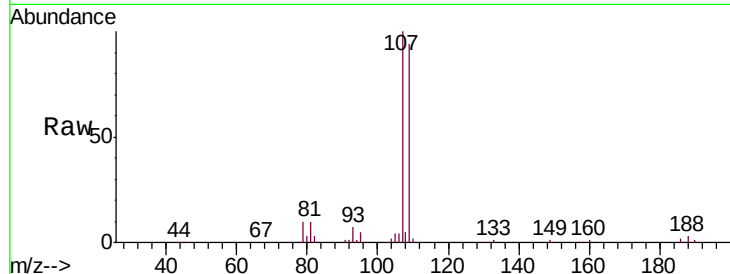




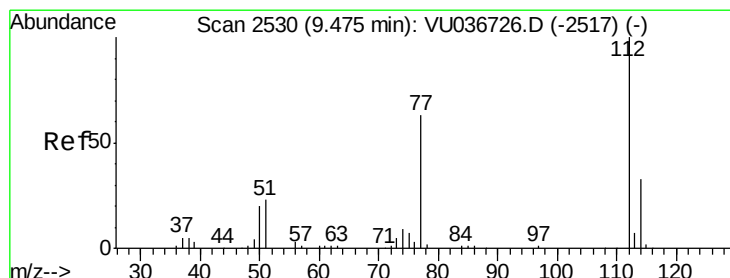
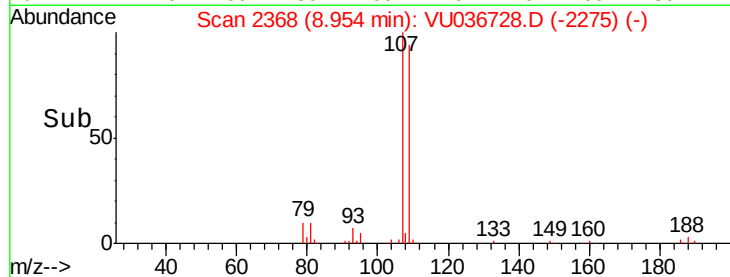
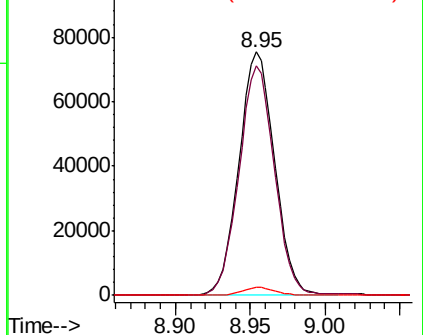
#50
 1,2-Dibromoethane
 Concen: 19.237 ug/L
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.4	123.2
188	3.3	2.4	3.6

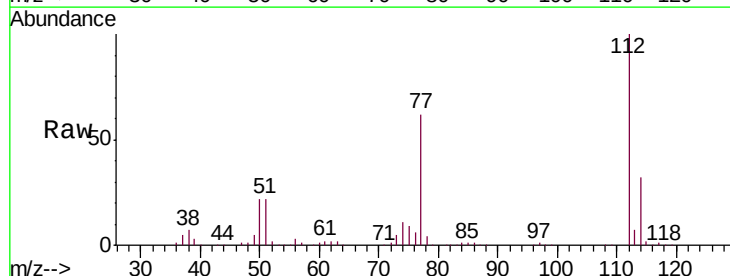


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

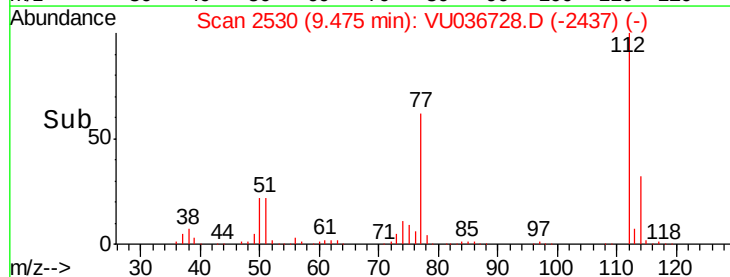
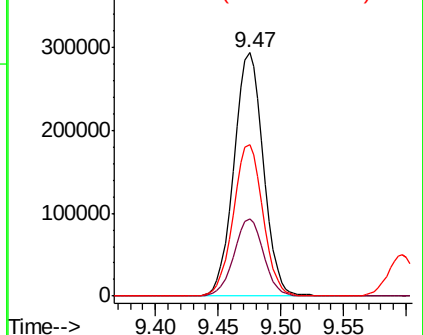


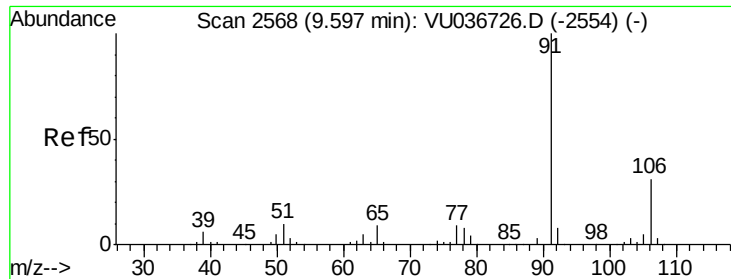
#51
 Chlorobenzene
 Concen: 20.080 ug/L
 RT: 9.47 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.9	42.5
77	62.1	51.0	76.4



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VU

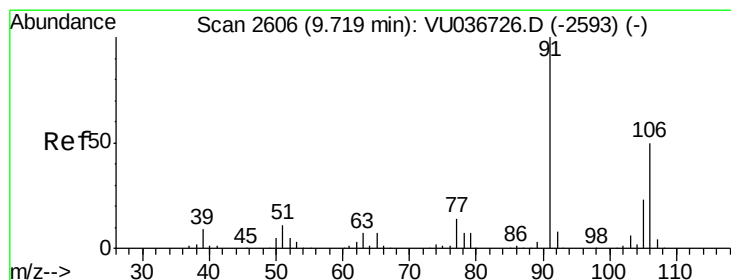
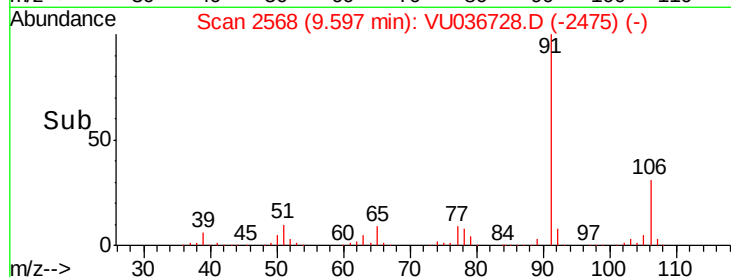
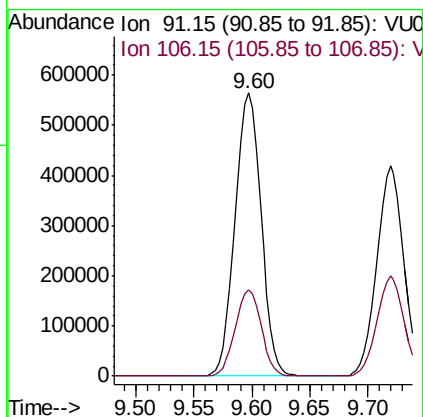
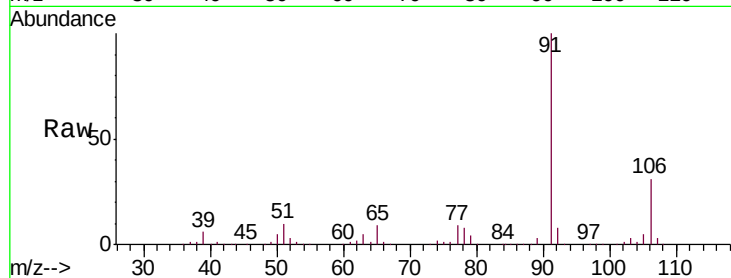




#52
Ethylbenzene
Concen: 20.679 ug/L
RT: 9.60 min Scan# 2568
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

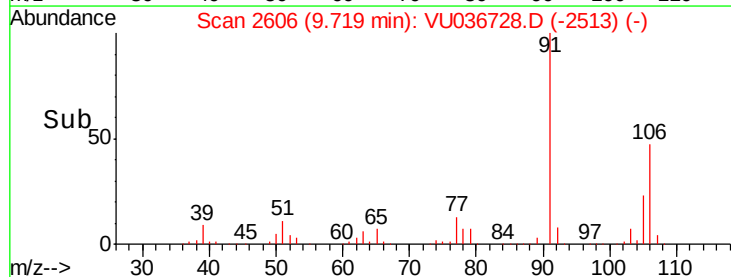
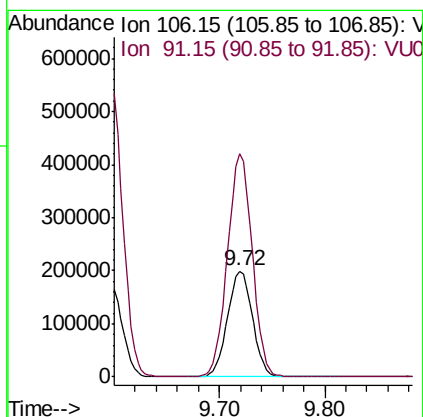
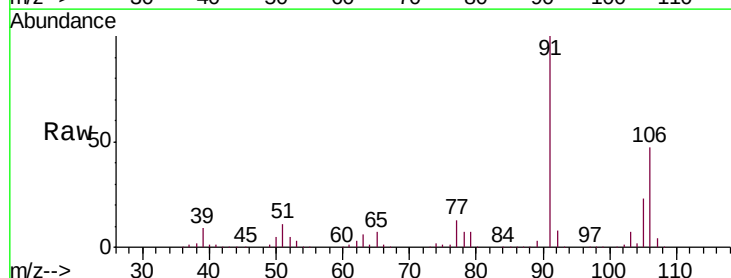
Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

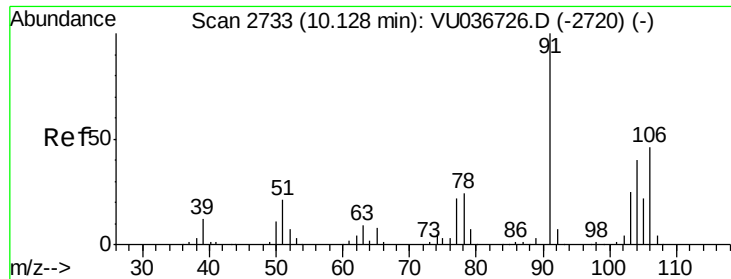
Tgt Ion: 91 Resp: 880540
Ion Ratio Lower Upper
91 100
106 30.7 21.5 39.9



#53
m,p-Xylene
Concen: 19.986 ug/L
RT: 9.72 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion: 106 Resp: 326414
Ion Ratio Lower Upper
106 100
91 210.8 141.1 262.0

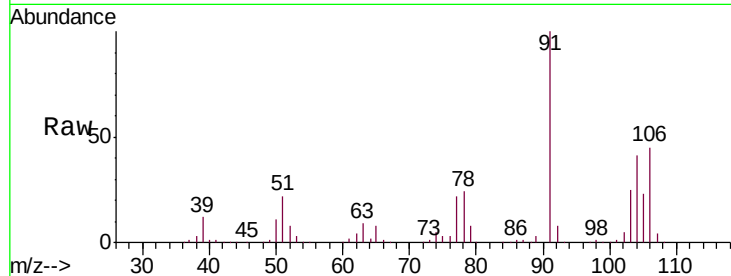




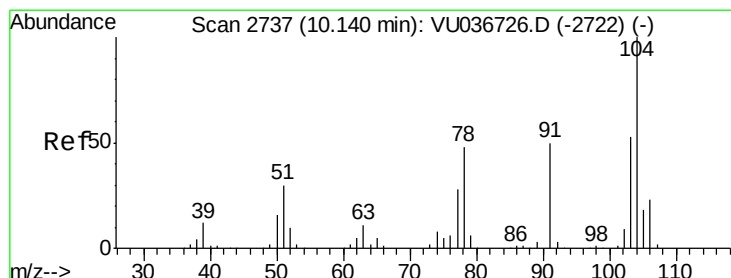
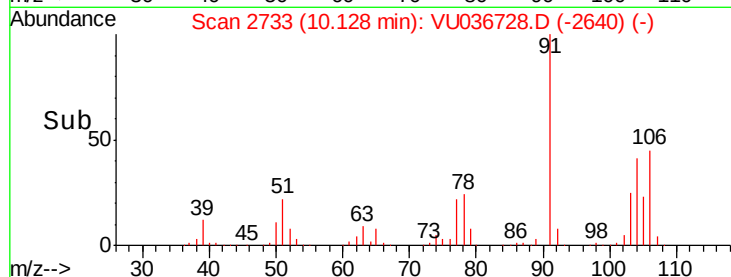
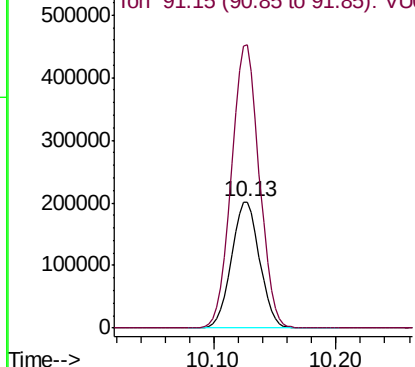
#54
o-Xylene
Concen: 20.323 ug/L
RT: 10.13 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Instrument :
MSVOA_U
ClientSampleId :
VSTD02002

Tgt Ion:106 Resp: 323264
Ion Ratio Lower Upper
106 100
91 224.4 151.1 280.5

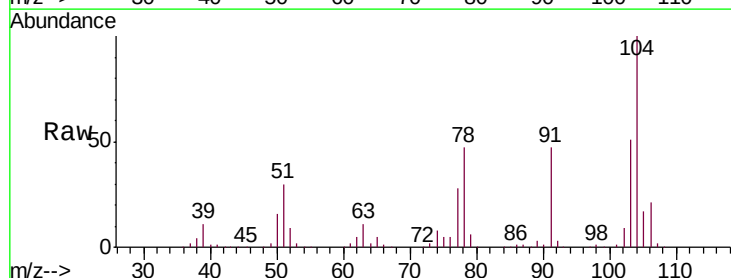


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

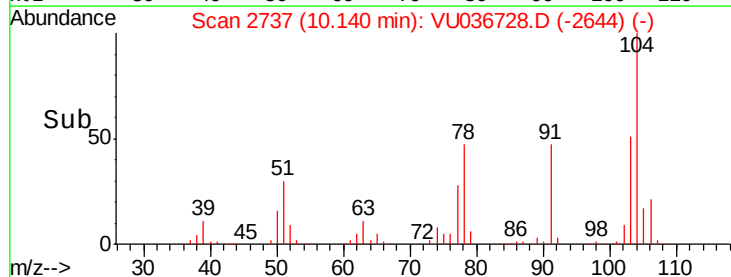
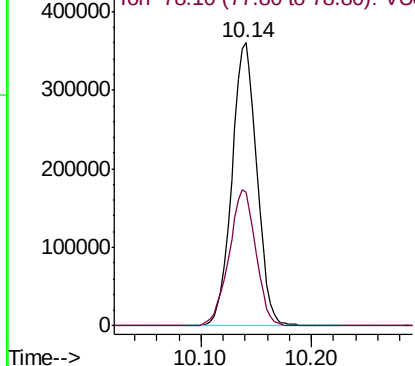


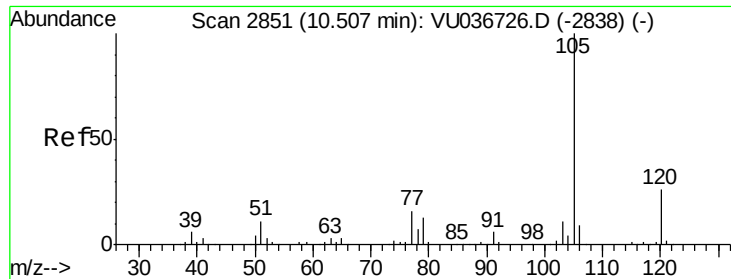
#55
Styrene
Concen: 21.017 ug/L
RT: 10.14 min Scan# 2737
Delta R.T. 0.00 min
Lab File: VU036728.D
Acq: 11 Feb 2020 17:31

Tgt Ion:104 Resp: 566266
Ion Ratio Lower Upper
104 100
78 47.3 33.5 62.3



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





#56

Isopropylbenzene

Concen: 20.621 ug/L

RT: 10.51 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

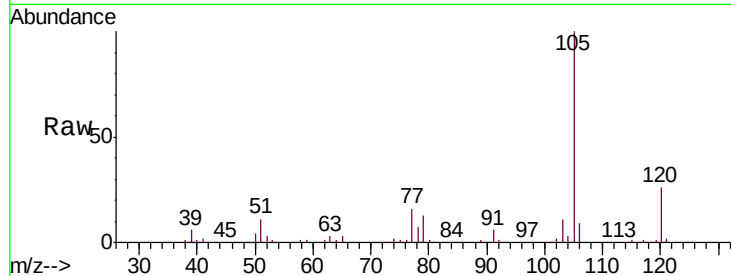
Tgt Ion: 105 Resp: 869232

Ion Ratio Lower Upper

105 100

120 25.7 20.5 30.7

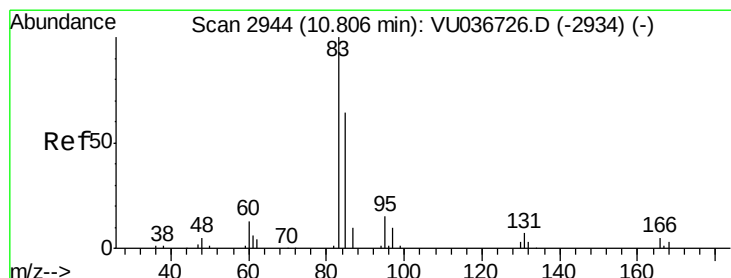
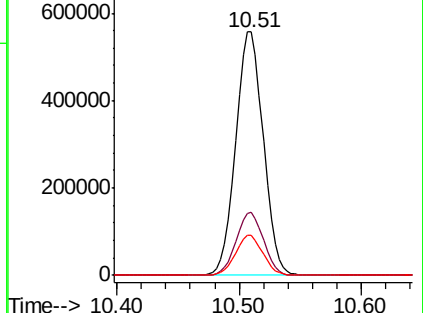
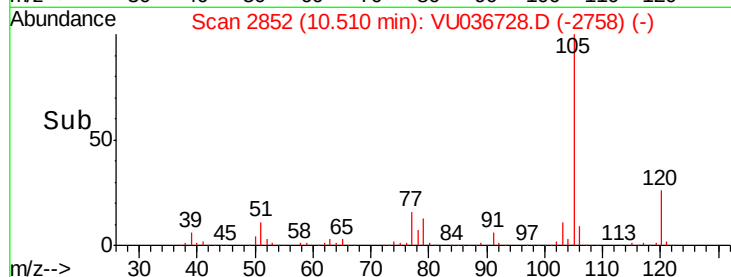
77 16.3 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 20.685 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

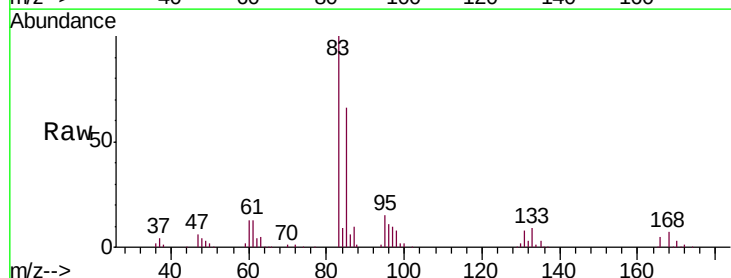
Tgt Ion: 83 Resp: 183234

Ion Ratio Lower Upper

83 100

85 65.5 45.6 84.6

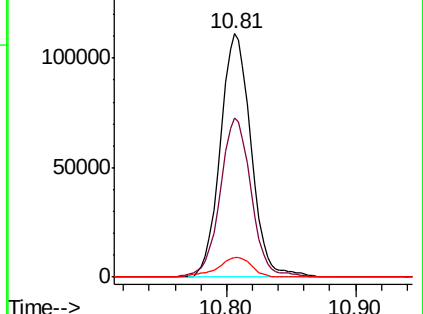
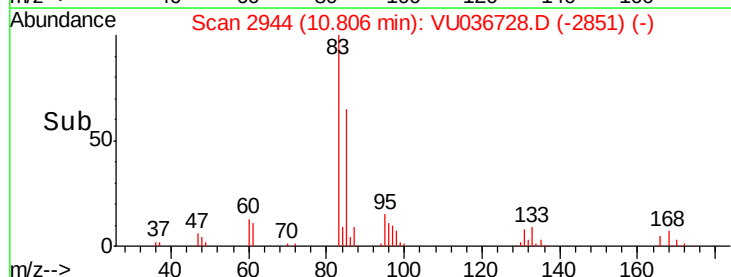
131 8.2 6.8 10.2

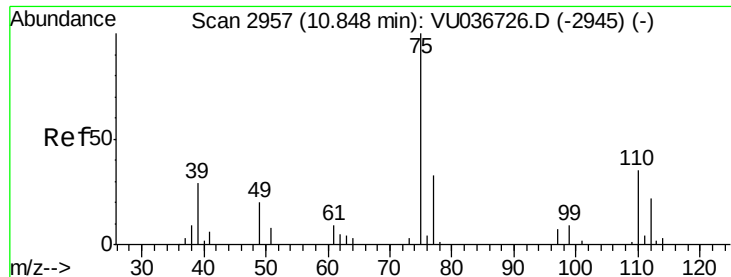


Abundance Ion 82.95 (82.65 to 83.65): VU

Ion 85.00 (84.70 to 85.70): VU

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 20.756 ug/L

RT: 10.85 min Scan# 2957

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

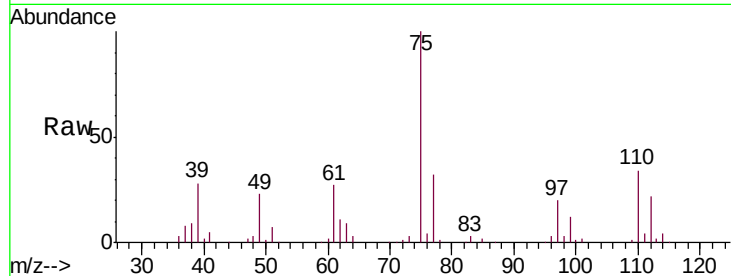
VSTD02002

Tgt Ion: 75 Resp: 130059

Ion Ratio Lower Upper

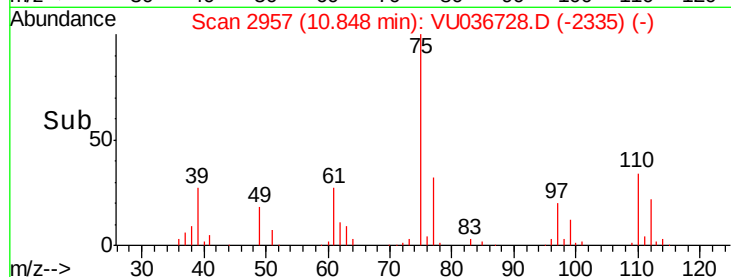
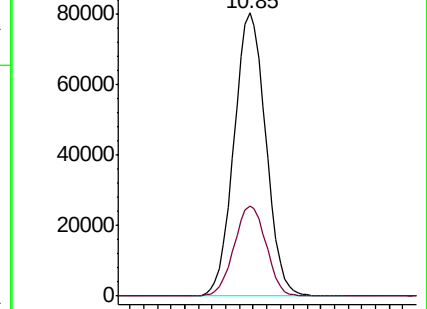
75 100

77 32.2 25.6 38.4

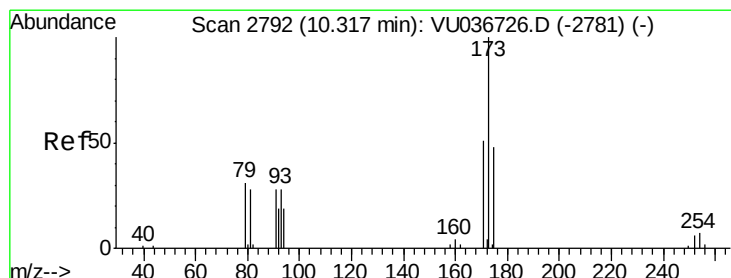


Abundance Ion 75.00 (74.70 to 75.70): VU036726.D (-2945) (-)

Ion 77.00 (76.70 to 77.70): VU036726.D (-2945) (-)



Time-->



#61

Bromoform

Concen: 16.751 ug/L

RT: 10.32 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

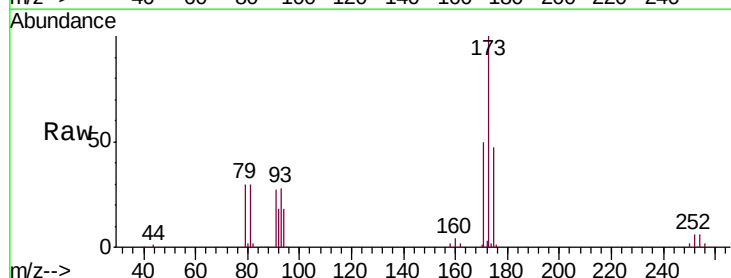
Tgt Ion: 173 Resp: 80974

Ion Ratio Lower Upper

173 100

175 48.0 39.9 59.9

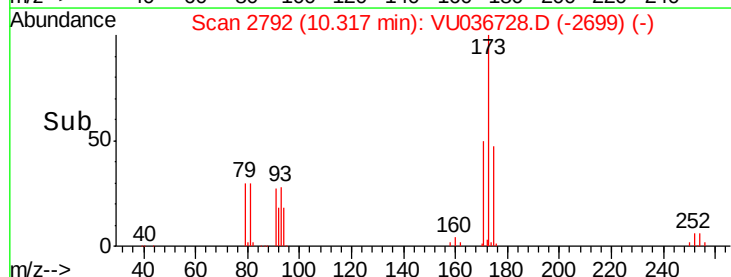
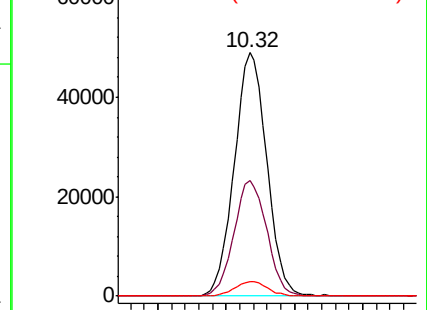
254 5.9 4.6 6.8



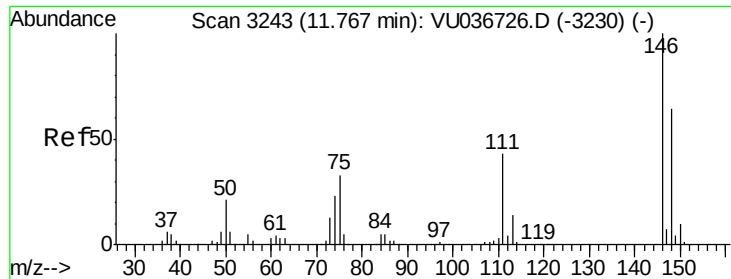
Abundance Ion 172.90 (172.60 to 173.60): VU036726.D (-2781) (-)

Ion 174.90 (174.60 to 175.60): VU036726.D (-2781) (-)

Ion 253.75 (253.45 to 254.45): VU036726.D (-2781) (-)



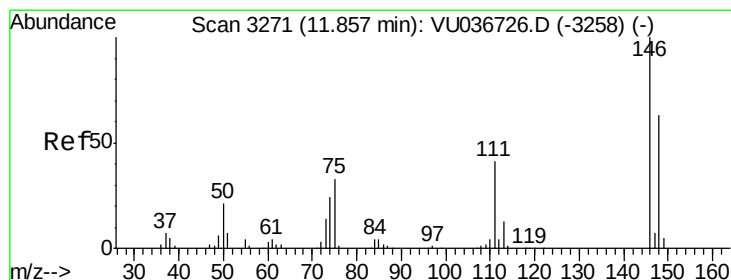
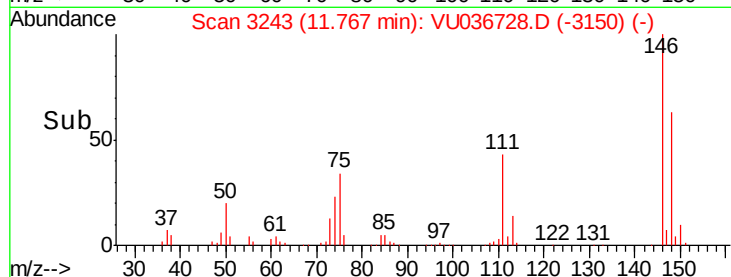
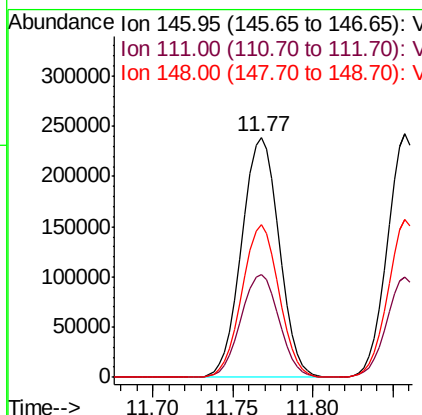
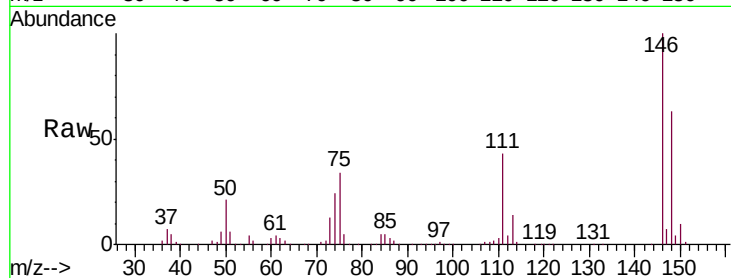
Time-->



#62
 1,3-Dichlorobenzene
 Concen: 20.158 ug/L
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

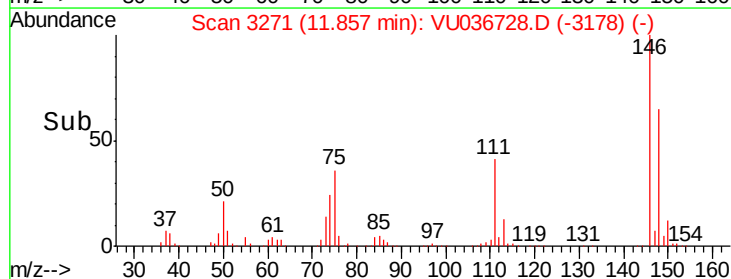
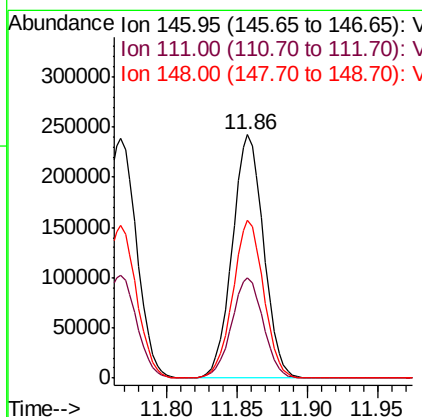
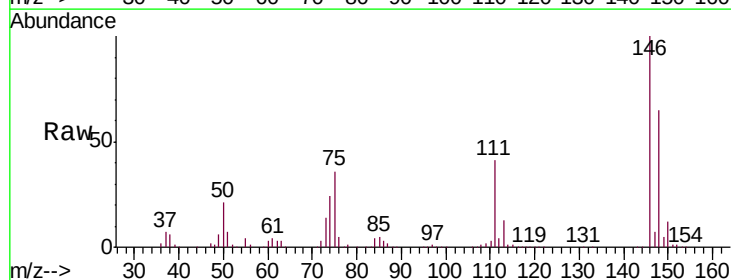
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

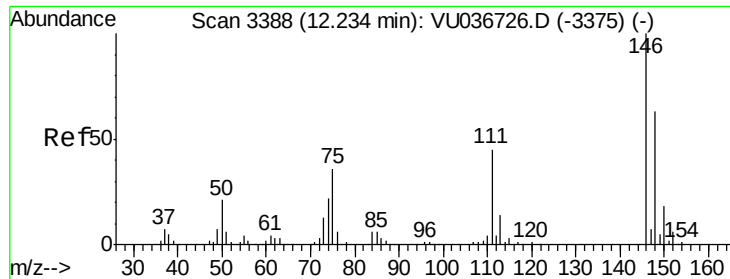
Tgt Ion:146 Resp: 381515
 Ion Ratio Lower Upper
 146 100
 111 43.1 30.0 55.8
 148 63.4 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 20.091 ug/L
 RT: 11.86 min Scan# 3271
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion:146 Resp: 376634
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.2 54.2
 148 64.8 44.3 82.3

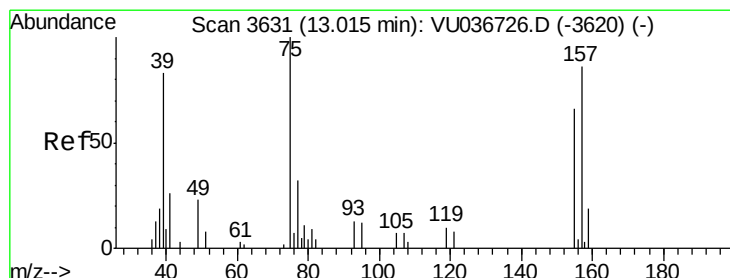
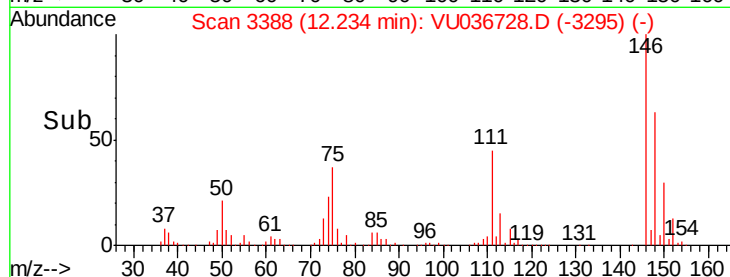
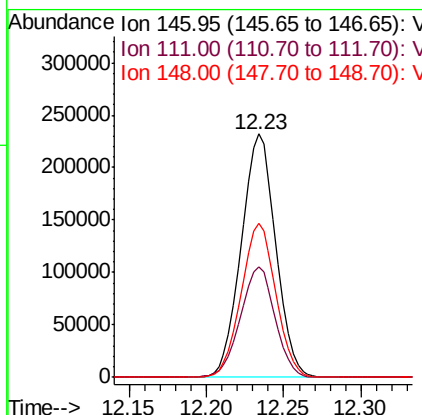
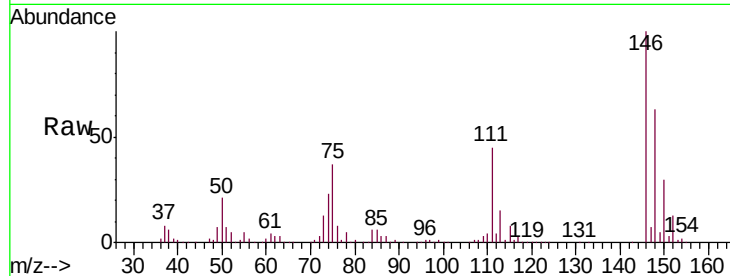




#65
 1,2-Dichlorobenzene
 Concen: 20.026 ug/L
 RT: 12.23 min Scan# 3388
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

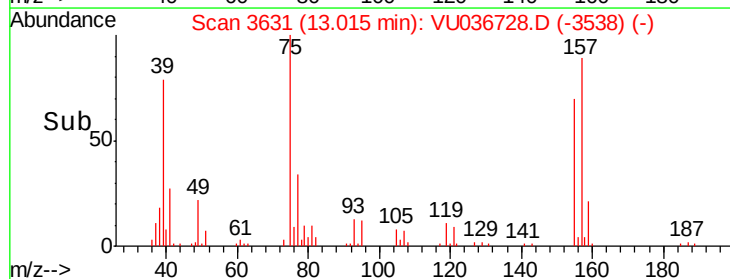
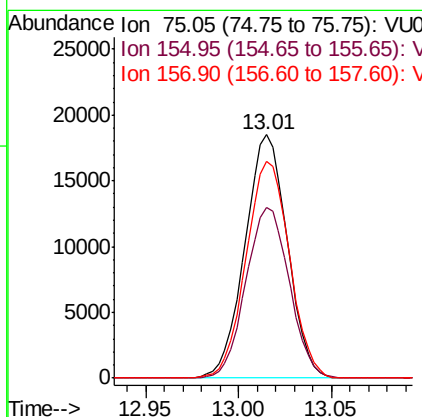
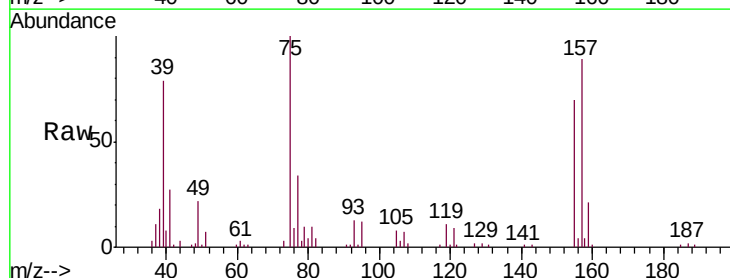
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD02002

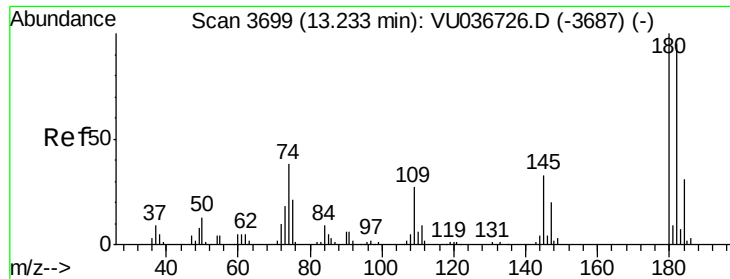
Tgt Ion: 146 Resp: 359924
 Ion Ratio Lower Upper
 146 100
 111 45.2 35.9 53.9
 148 63.2 50.4 75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.394 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion: 75 Resp: 29322
 Ion Ratio Lower Upper
 75 100
 155 70.0 52.9 79.3
 157 89.1 69.2 103.8

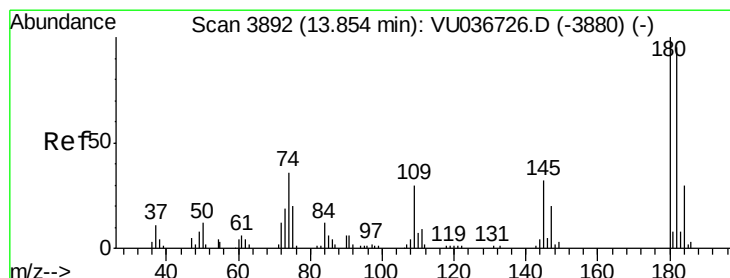
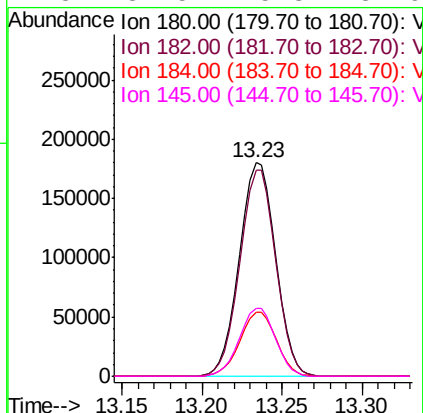
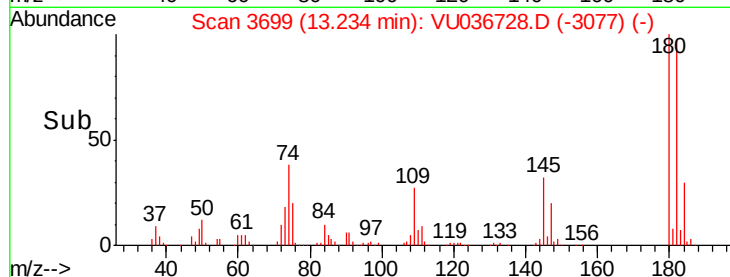
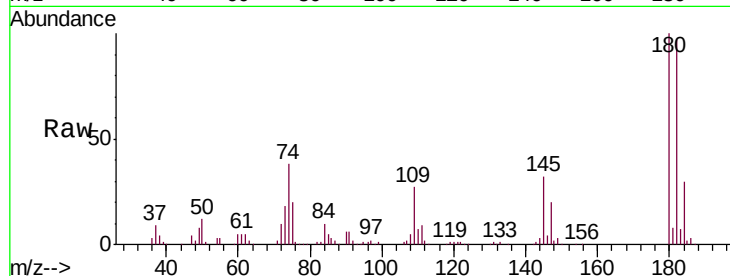




#67
 1,3,5-Trichlorobenzene
 Concen: 20.676 ug/L
 RT: 13.23 min Scan# 3699
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

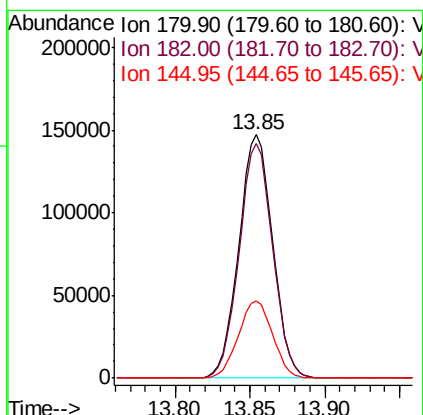
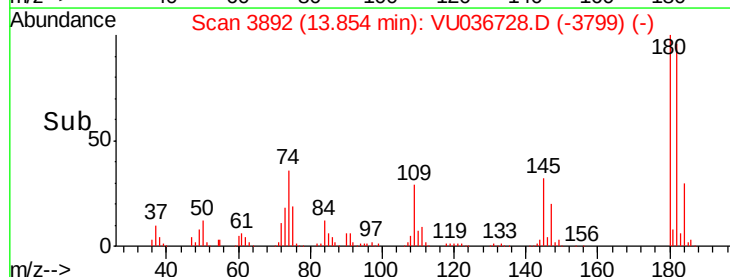
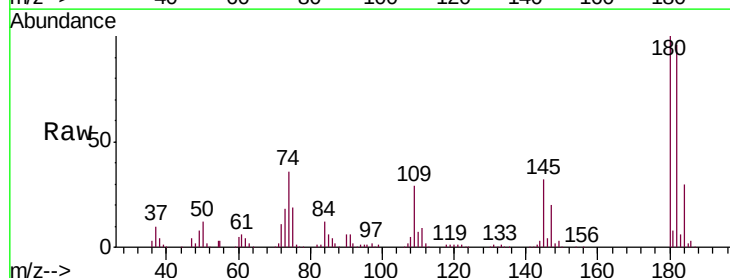
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD02002

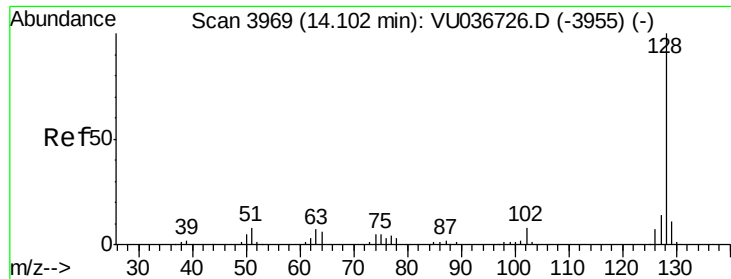
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.4	24.6	37.0
145	31.5	25.3	37.9



#68
 1,2,4-trichlorobenzene
 Concen: 23.422 ug/L
 RT: 13.85 min Scan# 3892
 Delta R.T. 0.00 min
 Lab File: VU036728.D
 Acq: 11 Feb 2020 17:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.0	115.6
145	32.1	26.5	39.7





#69

Naphthalene

Concen: 26.010 ug/L

RT: 14.10 min Scan# 3969

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

Instrument :

MSVOA_U

ClientSampleId :

VSTD02002

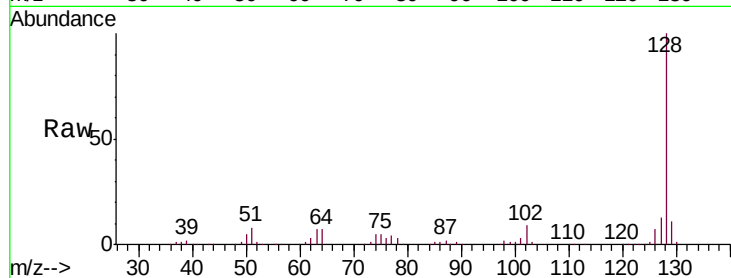
Tgt Ion:128 Resp: 457525

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

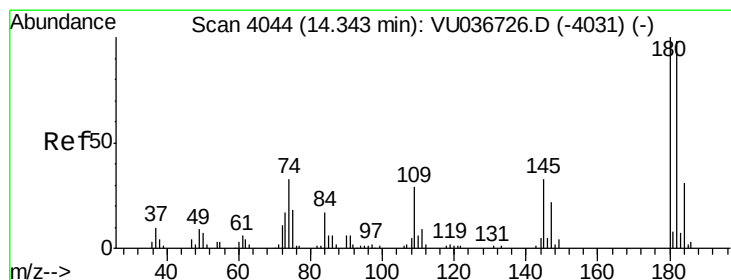
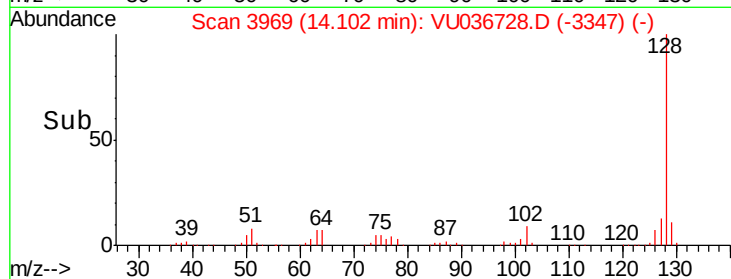
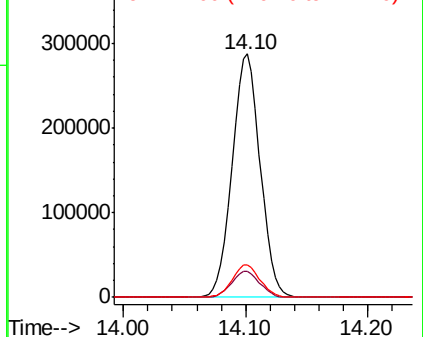
127 13.4 10.8 16.2



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: 21.368 ug/L

RT: 14.34 min Scan# 4044

Delta R.T. 0.00 min

Lab File: VU036728.D

Acq: 11 Feb 2020 17:31

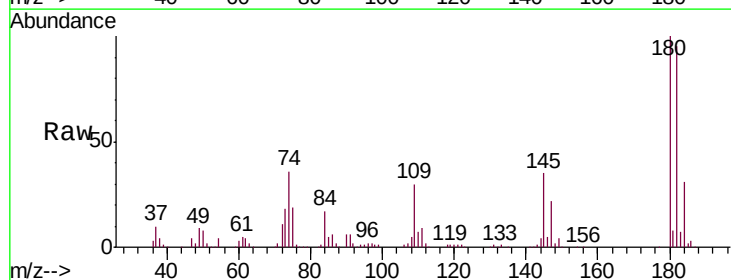
Tgt Ion:180 Resp: 203253

Ion Ratio Lower Upper

180 100

182 94.9 78.2 117.4

145 34.5 27.0 40.6



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

