

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011720\NOT REVIEWED DATA\
 Data File : VU036514.D
 Acq On : 17 Jan 2020 14:12
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Quant Time: Jan 17 15:45:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 17 14:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	532089	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	508150	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	255693	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	153512	44.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.00%
7) Chloroethane-d5	1.93	69	142371	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.34%
11) 1,1-Dichloroethene-d2	2.59	63	308832	46.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.24%
21) 2-Butanone-d5	4.67	46	271628	91.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.58%
24) Chloroform-d	5.11	84	333462	48.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.10%
26) 1,2-Dichloroethane-d4	5.74	65	221155	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.88%
32) Benzene-d6	5.76	84	629926	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.73	67	206348	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.48%
41) Toluene-d8	7.93	98	600821	47.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	8.21	79	109623	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.66	63	217306	98.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.11%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	323330	49.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.46%
64) 1,2-Dichlorobenzene-d4	12.21	152	241357	47.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.84%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	215781	43.76	ug/L	99
3) Chloromethane	1.54	50	197292	44.43	ug/L	99
5) Vinyl chloride	1.62	62	201449	45.71	ug/L	99
6) Bromomethane	1.87	94	129122	48.18	ug/L	98
8) Chloroethane	1.95	64	119296	45.76	ug/L	98
9) Trichlorofluoromethane	2.16	101	287098	47.83	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	155954	49.14	ug/L	100
12) 1,1-Dichloroethene	2.60	96	152475	48.48	ug/L	93
13) Acetone	2.66	43	249642	77.77	ug/L	99
14) Carbon disulfide	2.82	76	466633	45.88	ug/L	100
15) Methyl Acetate	2.98	43	188792	43.98	ug/L	99
16) Methylene chloride	3.08	84	177921	45.98	ug/L	94
17) trans-1,2-Dichloroethene	3.39	96	163847	47.52	ug/L	93
18) Methyl tert-butyl Ether	3.41	73	552530	47.03	ug/L	100
19) 1,1-Dichloroethane	3.91	63	304980	46.85	ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	187995	47.56	ug/L	98
22) 2-Butanone	4.75	43	309340	84.92	ug/L	99

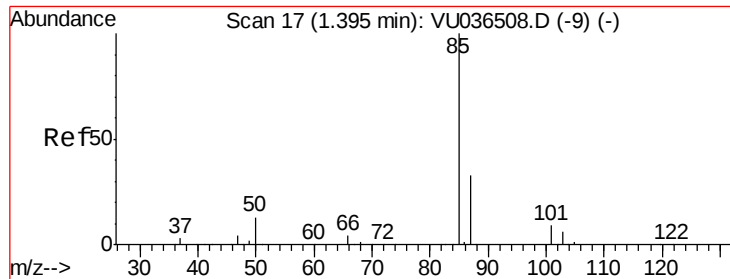
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	91382	47.85	ug/L	97
25) Chloroform	5.13	83	330712	47.64	ug/L	99
27) 1,2-Dichloroethane	5.83	62	263353	47.90	ug/L	99
29) Cyclohexane	5.43	56	285290	46.81	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	294807	48.85	ug/L	98
31) Carbon tetrachloride	5.56	117	252726	48.86	ug/L	97
33) Benzene	5.81	78	702874	48.14	ug/L	100
34) Trichloroethene	6.58	95	194657	49.37	ug/L	98
35) Methylcyclohexane	6.80	83	295905	48.75	ug/L	99
37) 1,2-Dichloropropane	6.83	63	184628	47.71	ug/L	99
38) Bromodichloromethane	7.14	83	248543	46.67	ug/L	96
39) cis-1,3-Dichloropropene	7.64	75	303530	48.45	ug/L	100
40) 4-Methyl-2-pentanone	7.83	43	545612	87.64	ug/L	99
42) Toluene	8.00	91	764706	48.22	ug/L	98
44) trans-1,3-Dichloropropene	8.24	75	275871	47.54	ug/L	97
45) 1,1,2-Trichloroethane	8.43	97	176861	47.81	ug/L	97
46) Tetrachloroethene	8.58	164	134047	50.54	ug/L	92
48) 2-Hexanone	8.72	43	442063	89.78	ug/L	99
49) Dibromochloromethane	8.84	129	206421	50.17	ug/L	96
50) 1,2-Dibromoethane	8.95	107	198903	47.44	ug/L	100
51) Chlorobenzene	9.47	112	493013	49.44	ug/L	99
52) Ethylbenzene	9.59	91	878136	49.57	ug/L	99
53) m,p-Xylene	9.72	106	330522	49.90	ug/L	98
54) o-xylene	10.12	106	320492	48.47	ug/L	99
55) Styrene	10.14	104	540690	50.41	ug/L	99
56) Isopropylbenzene	10.51	105	859275	50.63	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	302786	47.07	ug/L	97
59) 1,2,3-Trichloropropane	10.85	75	246993	46.28	ug/L	98
61) Bromoform	10.32	173	145679	41.84	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	379396	47.12	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	380318	47.01	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	372274	46.88	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	74244	42.51	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	254536	52.28	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	204747	57.06	ug/L	98
69) Naphthalene	14.10	128	656469	54.15	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	198120	53.23	ug/L	99

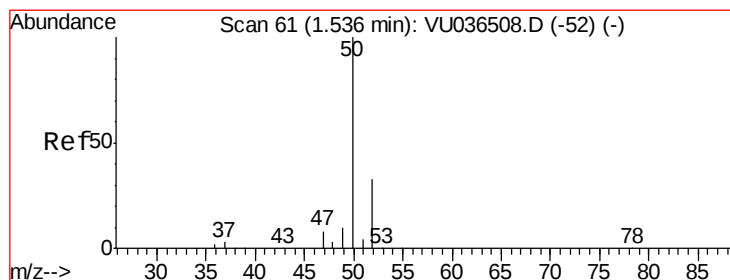
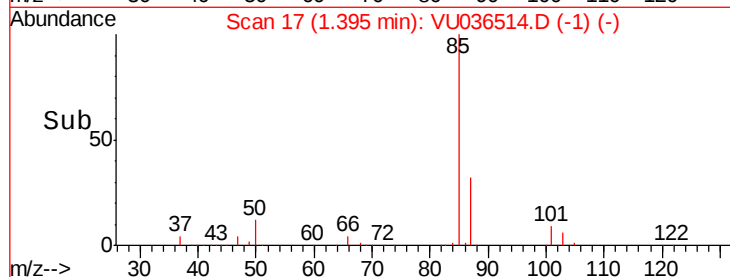
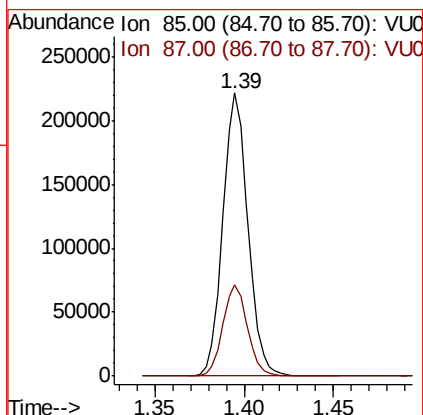
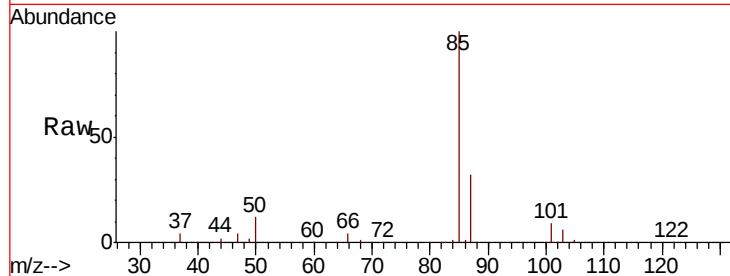
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 43.76 ug/L
 RT: 1.39 min Scan# 17
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

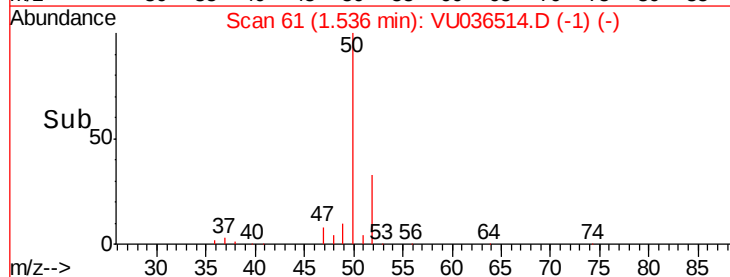
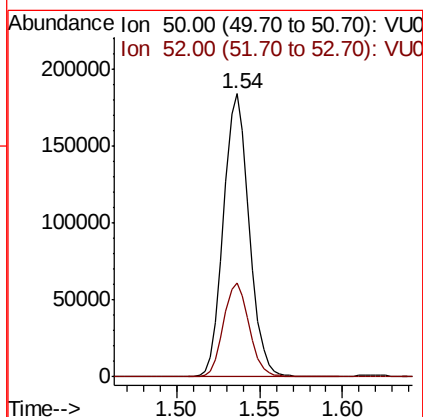
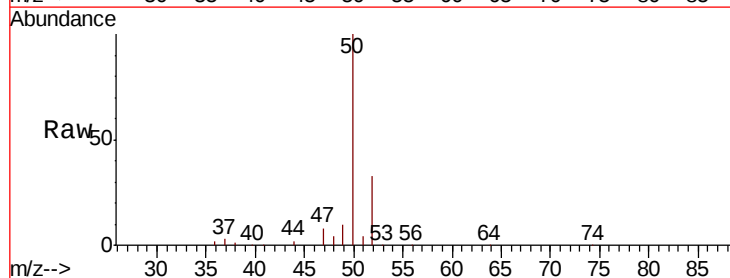
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

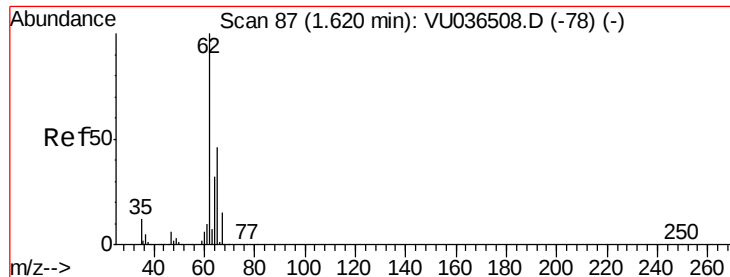
Tgt Ion: 85 Resp: 215781
 Ion Ratio Lower Upper
 85 100
 87 31.9 25.8 38.8



#3
 Chloromethane
 Concen: 44.43 ug/L
 RT: 1.54 min Scan# 61
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion: 50 Resp: 197292
 Ion Ratio Lower Upper
 50 100
 52 33.1 22.8 42.4





#5

Vinyl chloride

Concen: 45.71 ug/L

RT: 1.62 min Scan# 87

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

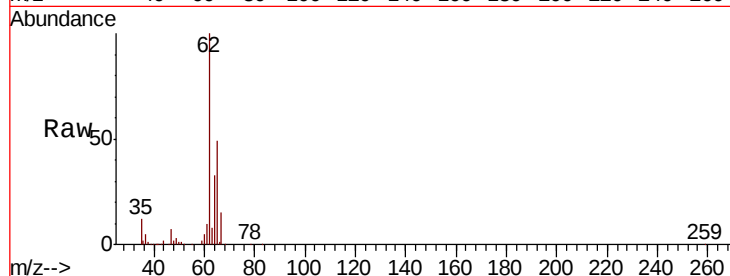
VSTD05046

Tgt Ion: 62 Resp: 201449

Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU036508.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU036508.D (-78) (-)

1.62

200000

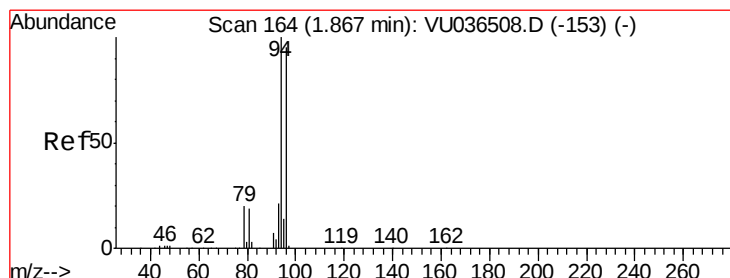
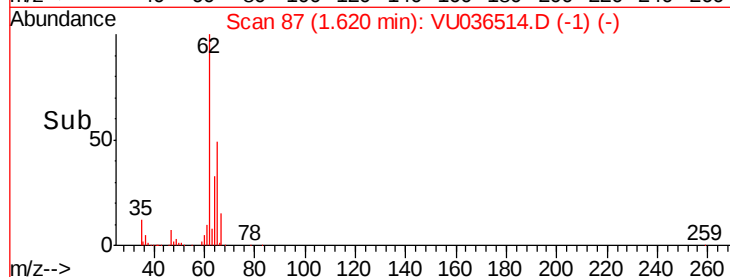
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70



#6

Bromomethane

Concen: 48.18 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU036514.D

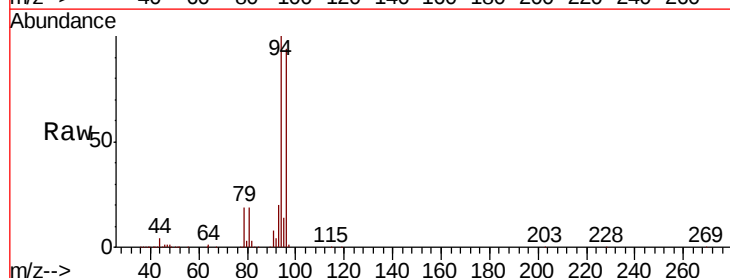
Acq: 17 Jan 2020 14:12

Tgt Ion: 94 Resp: 129122

Ion Ratio Lower Upper

94 100

96 94.0 67.1 124.7



Abundance Ion 94.00 (93.70 to 94.70): VU036508.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU036508.D (-153) (-)

1.87

100000

80000

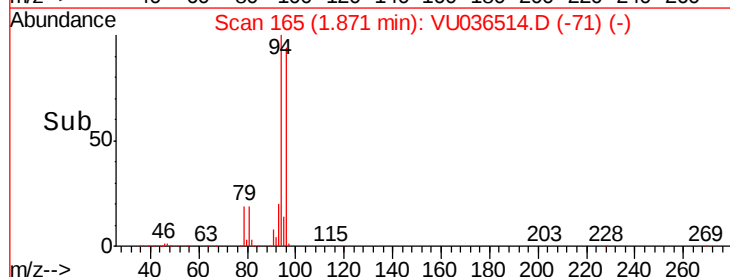
60000

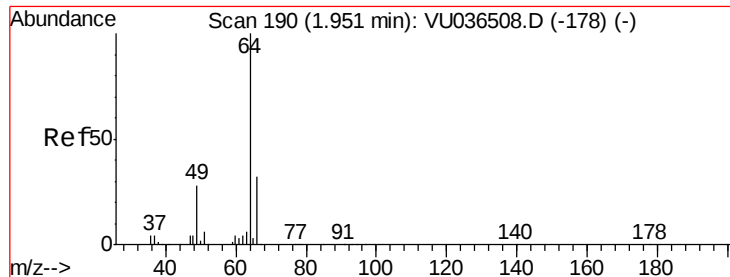
40000

20000

0

Time--> 1.80 1.85 1.90 1.95

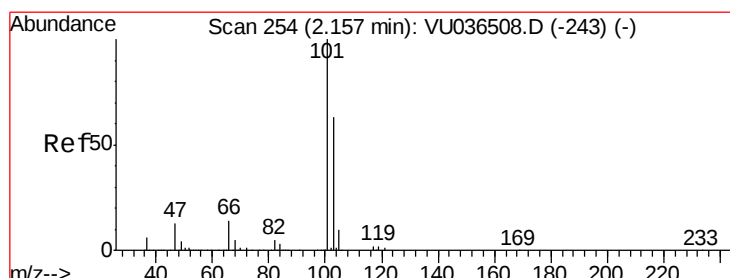
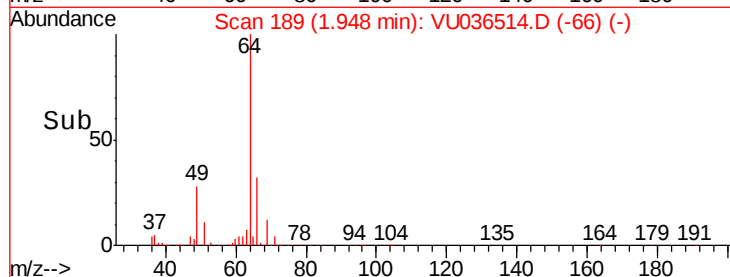
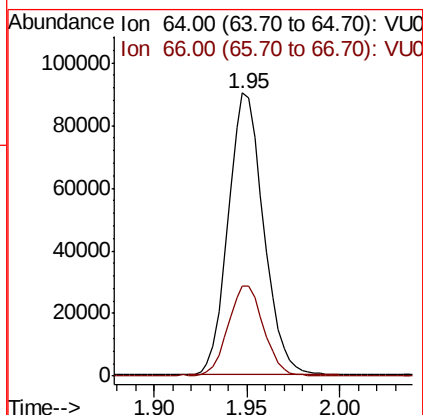
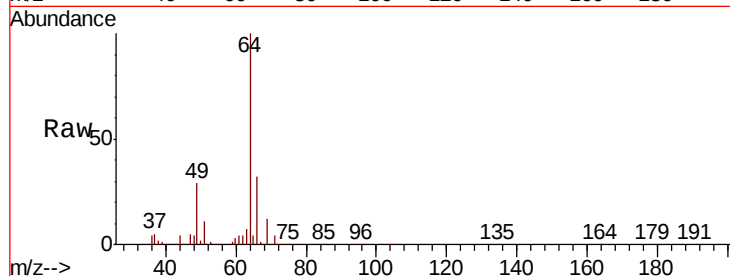




#8
Chloroethane
Concen: 45.76 ug/L
RT: 1.95 min Scan# 189
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

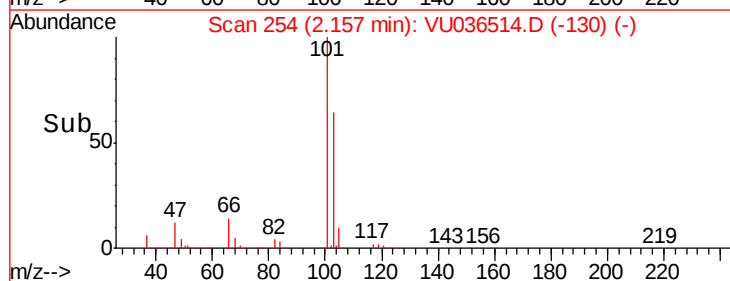
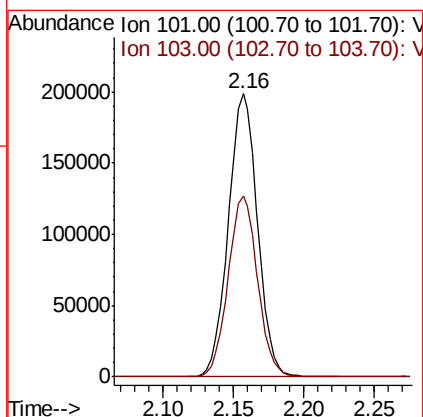
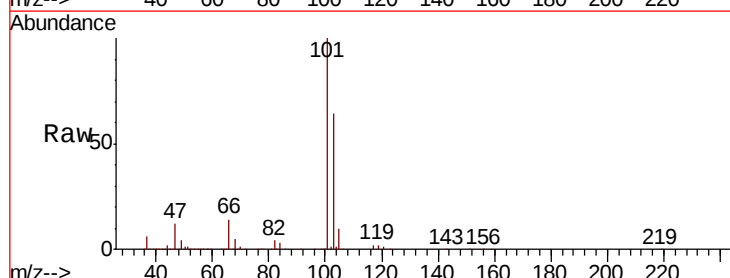
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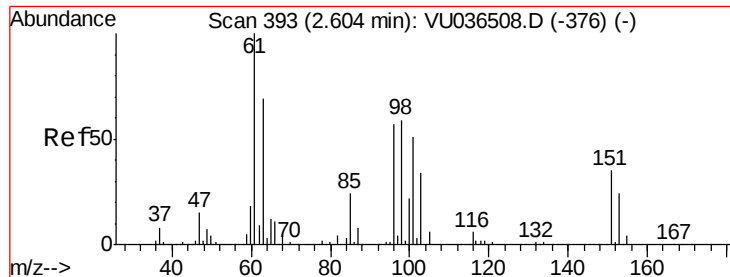
Tgt Ion: 64 Resp: 119296
Ion Ratio Lower Upper
64 100
66 31.7 23.1 42.9



#9
Trichlorofluoromethane
Concen: 47.83 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 101 Resp: 287098
Ion Ratio Lower Upper
101 100
103 64.6 52.0 78.0





#10

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

Concen: 49.14 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

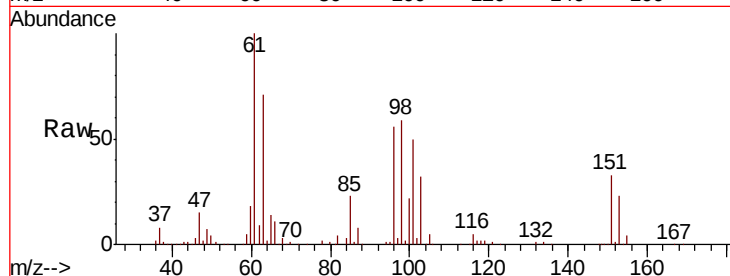
Tgt Ion:101 Resp: 155954

Ion Ratio Lower Upper

101 100

85 46.1 36.7 55.1

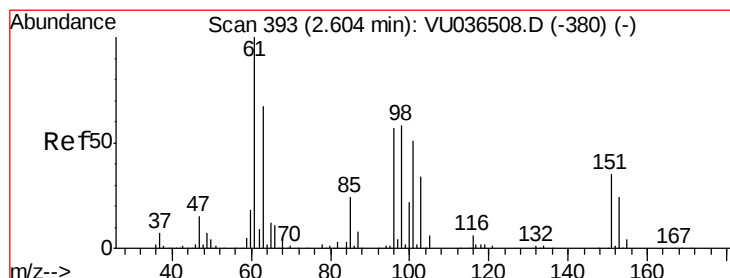
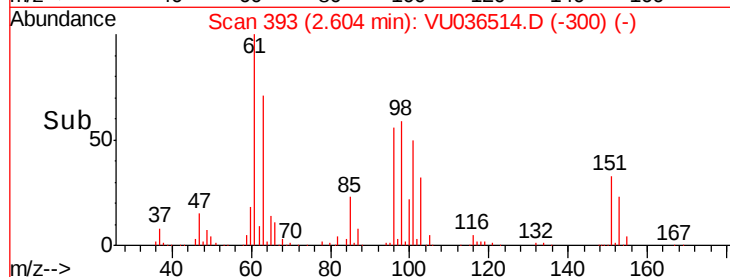
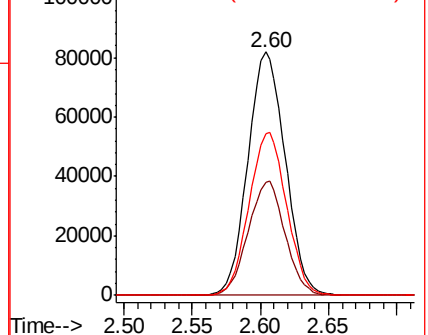
151 67.1 53.3 79.9



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: 48.48 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

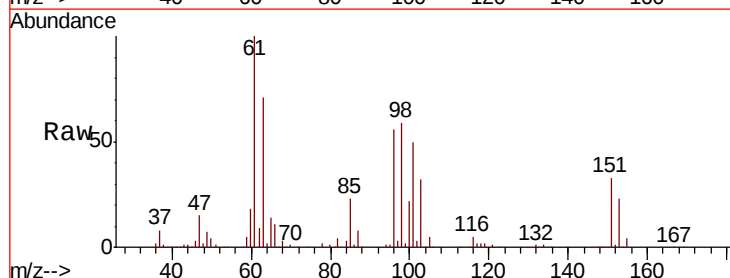
Tgt Ion: 96 Resp: 152475

Ion Ratio Lower Upper

96 100

61 177.2 128.2 238.2

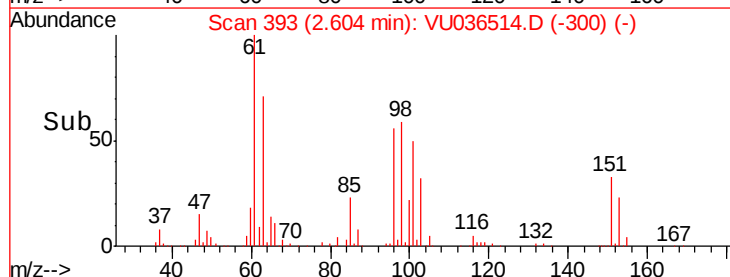
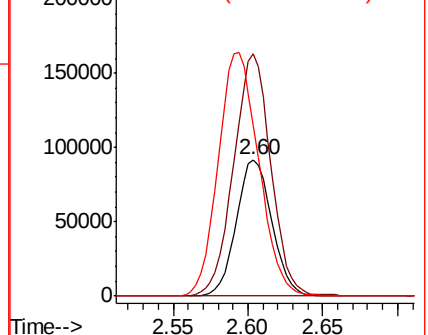
63 125.0 79.1 146.9

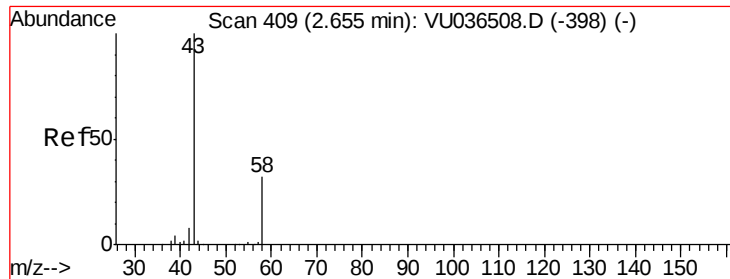


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 77.77 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU036514.D

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MSVOA_U

ClientSampleId :

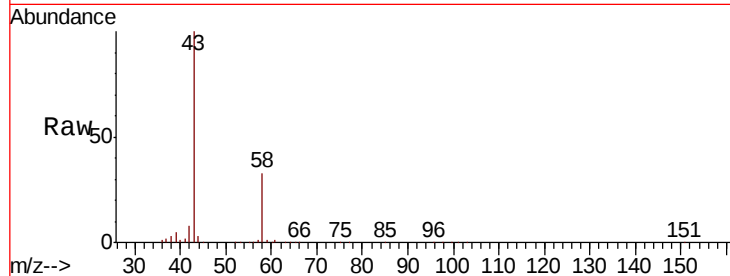
VSTD05046

Tgt Ion: 43 Resp: 249642

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036514.D (-316) (-)

Ion 58.00 (57.70 to 58.70): VU036514.D (-316) (-)

2.66

150000

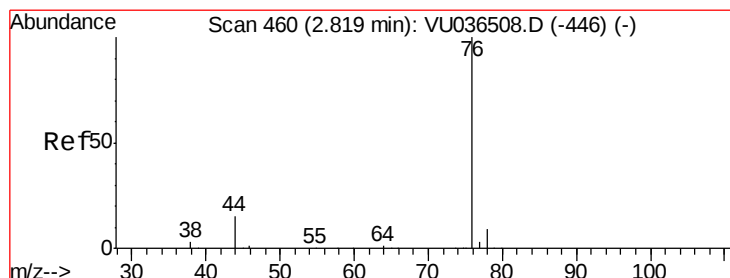
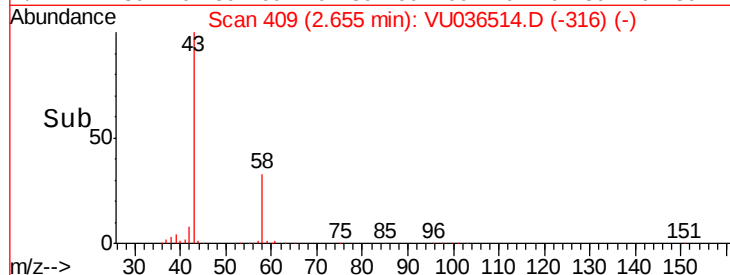
100000

50000

0

2.60 2.65 2.70 2.75

Time-->



#14

Carbon disulfide

Concen: 45.88 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036514.D

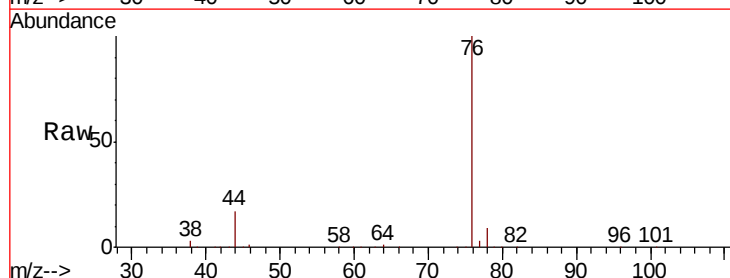
Acq: 17 Jan 2020 14:12

Tgt Ion: 76 Resp: 466633

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU036514.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU036514.D (-367) (-)

2.82

300000

250000

200000

150000

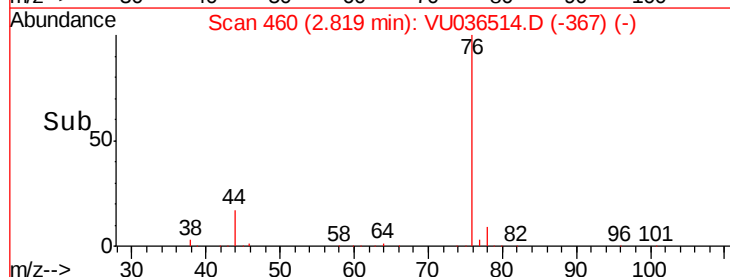
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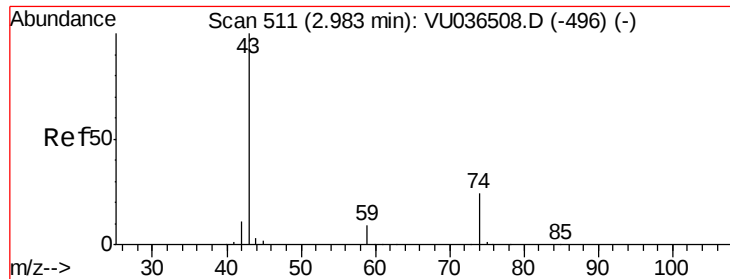
50000

0

2.75 2.80 2.85 2.90

Time-->

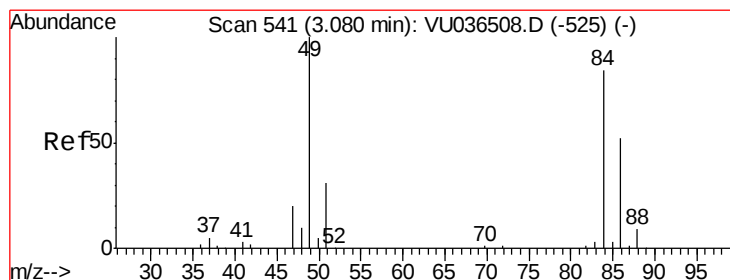
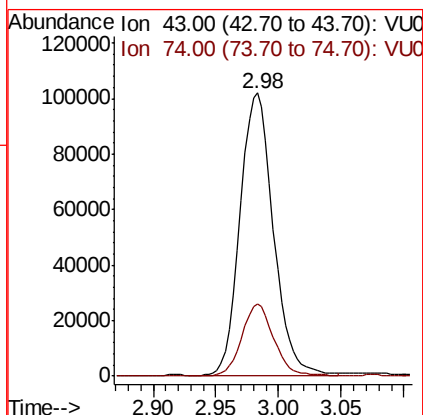
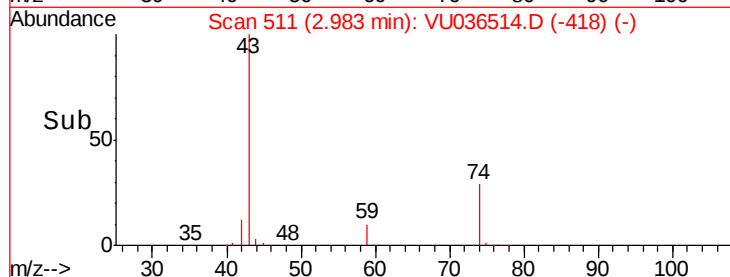
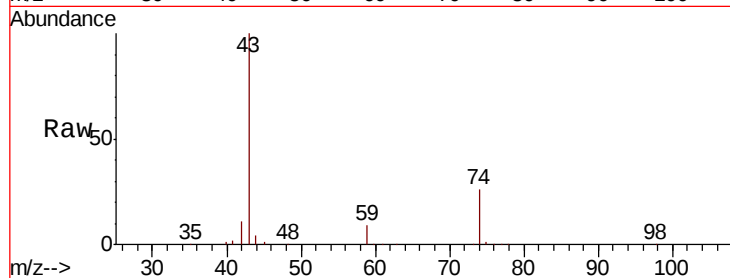




#15
Methyl Acetate
Concen: 43.98 ug/L
RT: 2.98 min Scan# 511
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

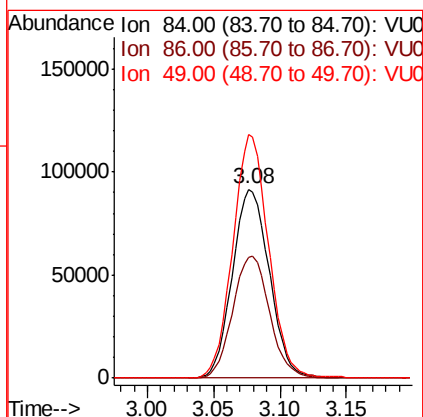
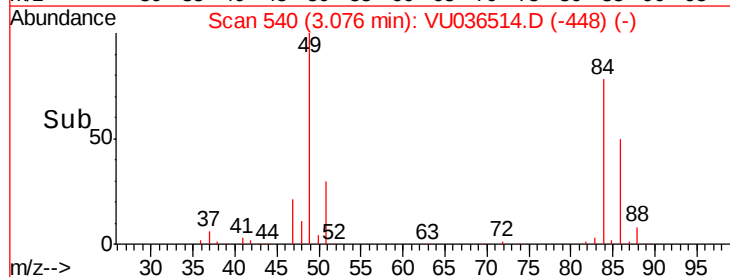
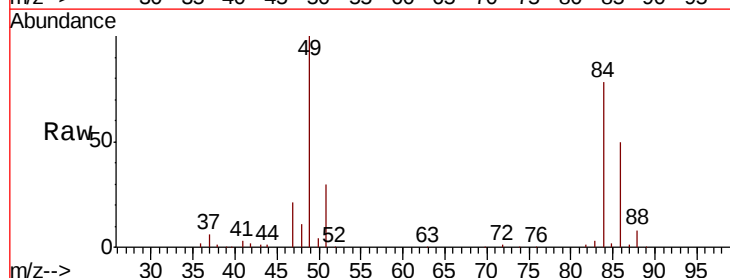
Instrument :
MSVOA_U
ClientSampled :
VSTD05046

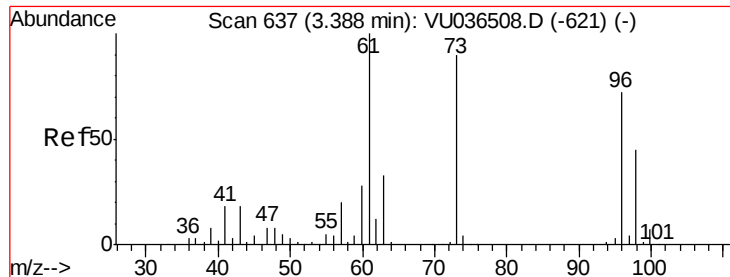
Tgt Ion: 43 Resp: 188792
Ion Ratio Lower Upper
43 100
74 24.3 19.0 28.4



#16
Methylene chloride
Concen: 45.98 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 84 Resp: 177921
Ion Ratio Lower Upper
84 100
86 64.0 46.4 86.2
49 128.9 84.5 156.9

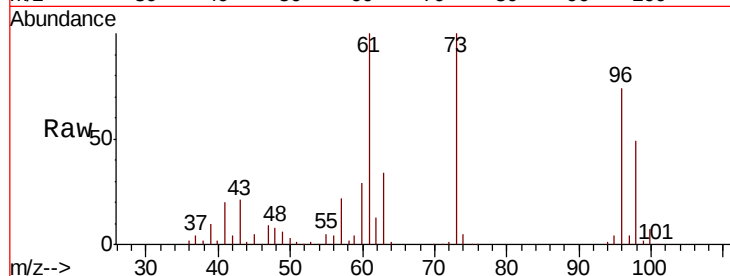




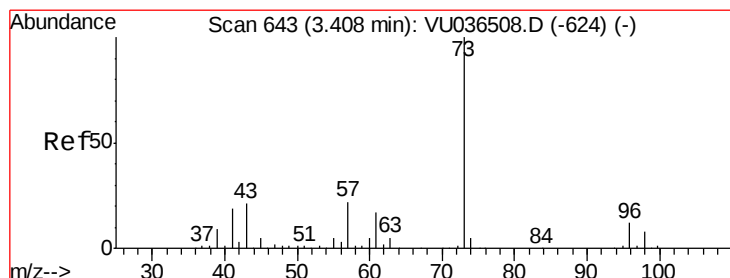
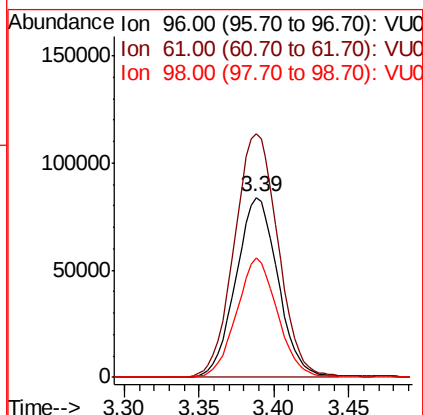
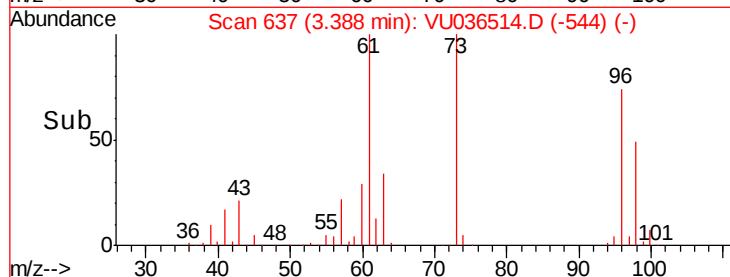
#17
trans-1,2-Dichloroethene
Concen: 47.52 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion: 96 Resp: 163847
Ion Ratio Lower Upper
96 100
61 135.2 102.8 191.0
98 66.1 44.9 83.5

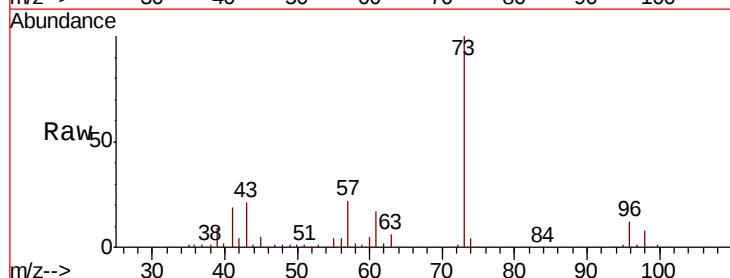


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

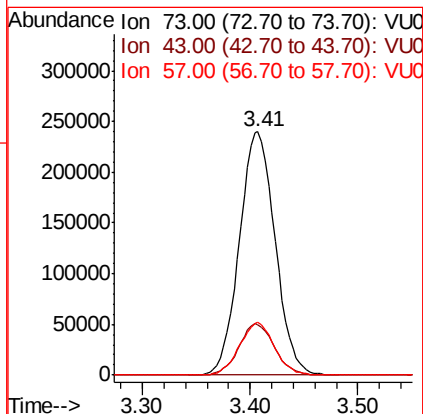
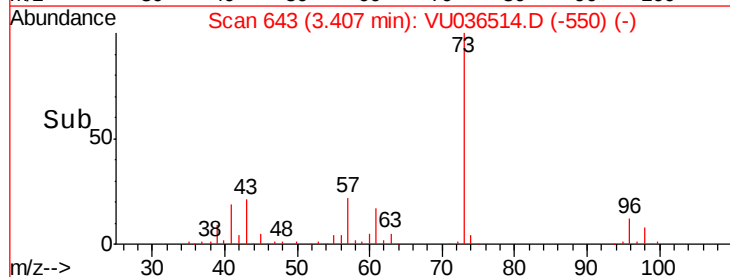


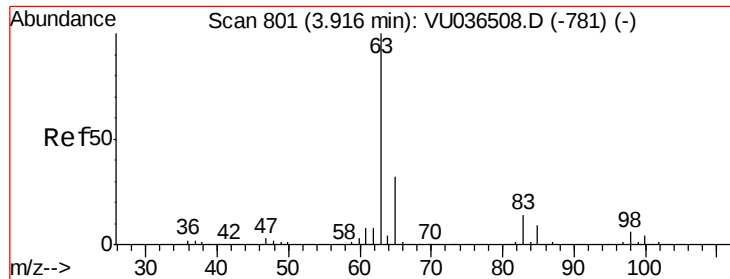
#18
Methyl tert-butyl Ether
Concen: 47.03 ug/L
RT: 3.41 min Scan# 643
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 73 Resp: 552530
Ion Ratio Lower Upper
73 100
43 20.7 16.6 25.0
57 21.2 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

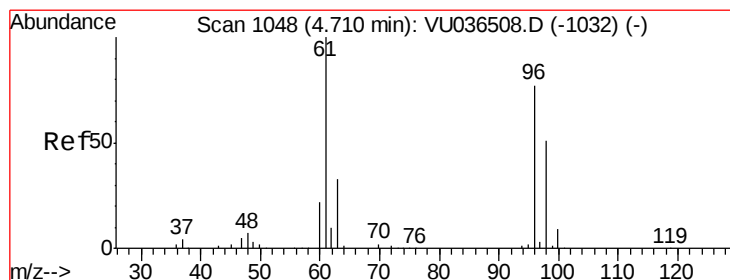
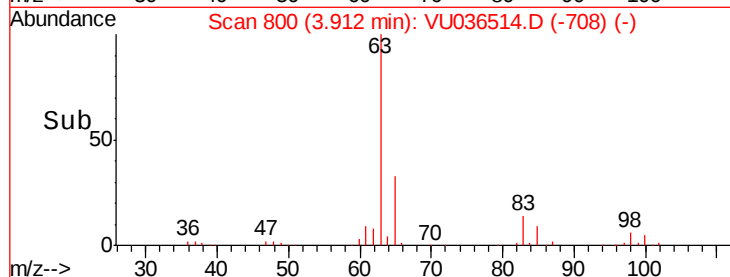
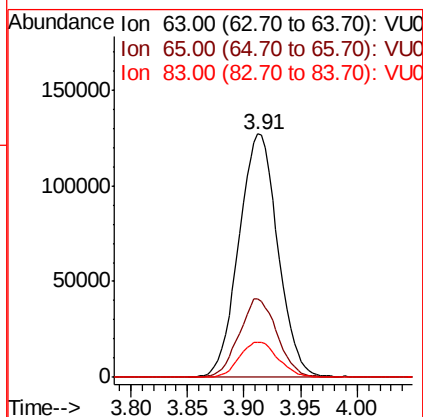
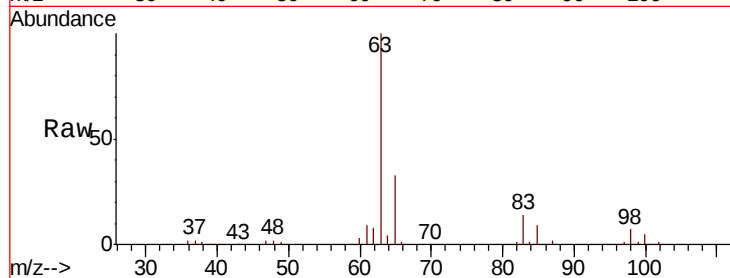




#19
1,1-Dichloroethane
Concen: 46.85 ug/L
RT: 3.91 min Scan# 800
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

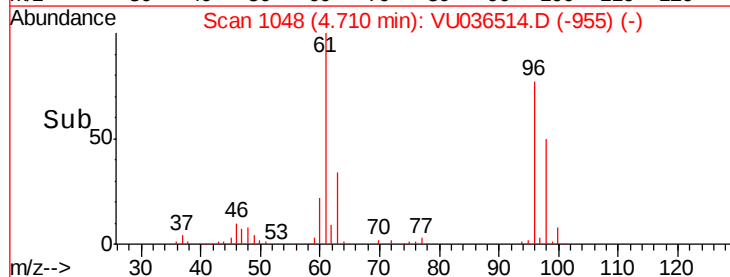
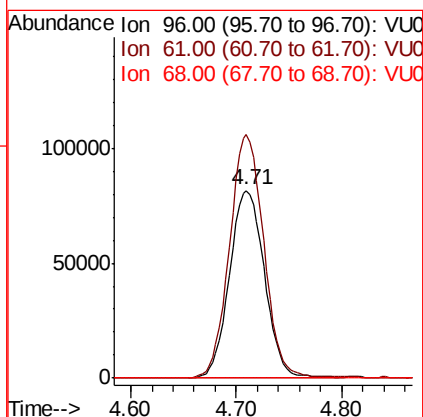
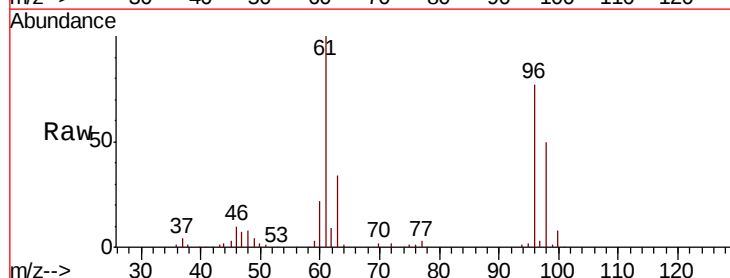
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

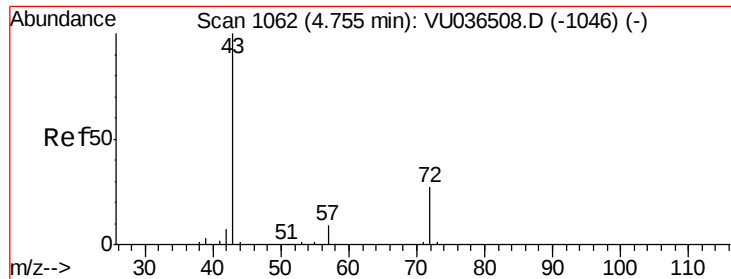
Tgt Ion: 63 Resp: 304980
Ion Ratio Lower Upper
63 100
65 32.5 21.8 40.4
83 14.3 9.4 17.6



#20
cis-1,2-Dichloroethene
Concen: 47.56 ug/L
RT: 4.71 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 96 Resp: 187995
Ion Ratio Lower Upper
96 100
61 129.8 89.5 166.3
68 0.0 0.0 0.0

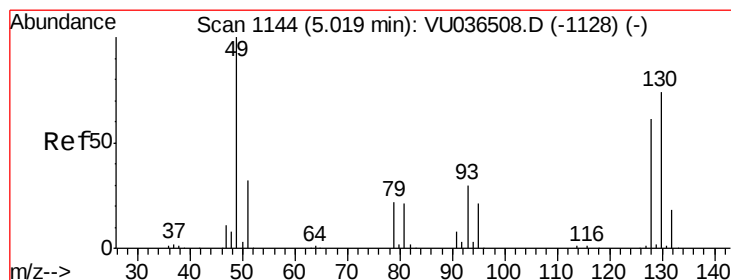
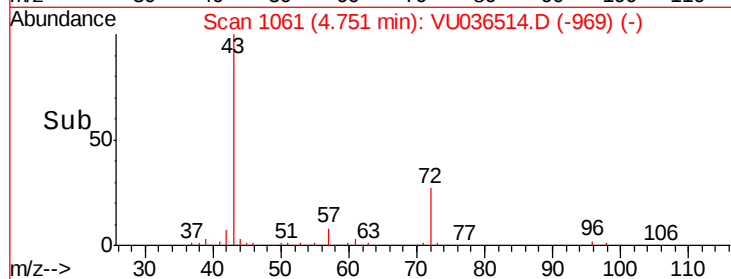
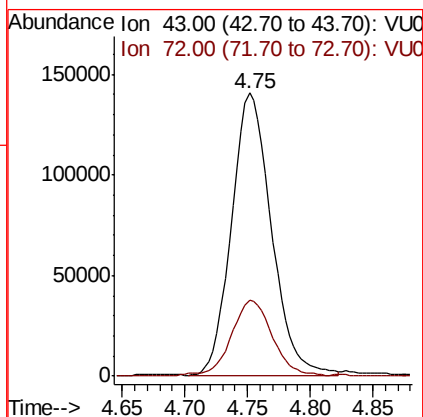
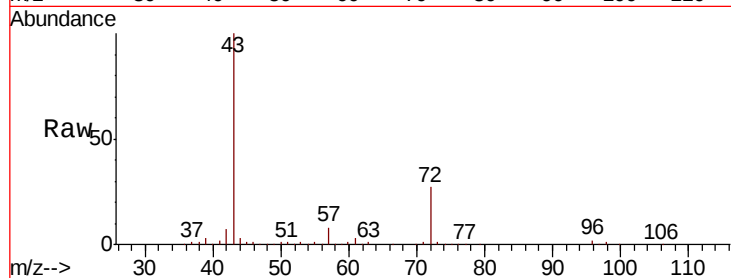




#22
2-Butanone
Concen: 84.92 ug/L
RT: 4.75 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

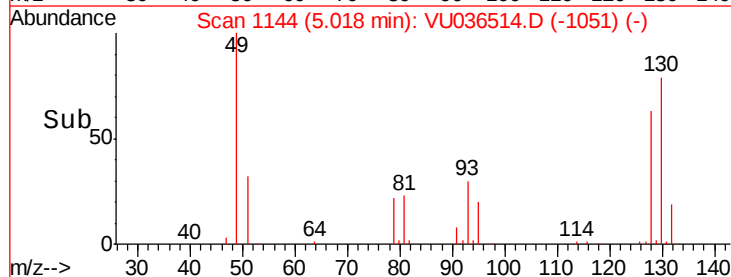
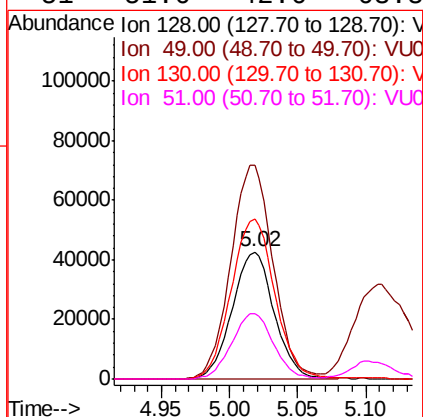
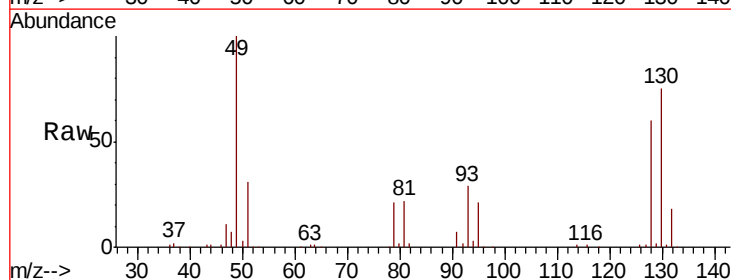
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

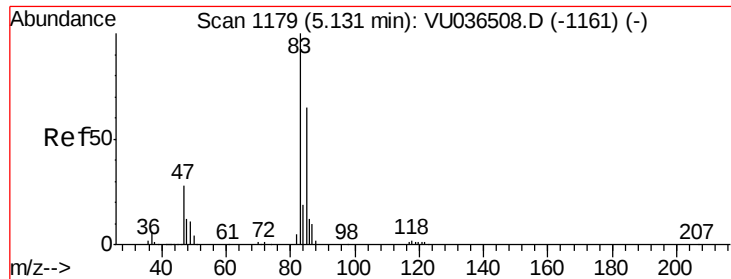
Tgt Ion: 43 Resp: 309340
Ion Ratio Lower Upper
43 100
72 27.9 14.1 42.4



#23
Bromochloromethane
Concen: 47.85 ug/L
RT: 5.02 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 128 Resp: 91382
Ion Ratio Lower Upper
128 100
49 167.9 118.9 220.7
130 125.5 91.3 169.5
51 51.6 42.6 63.8

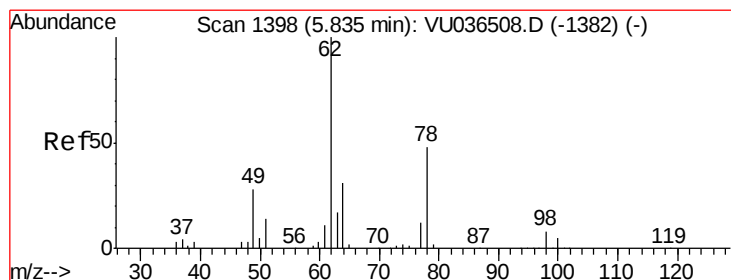
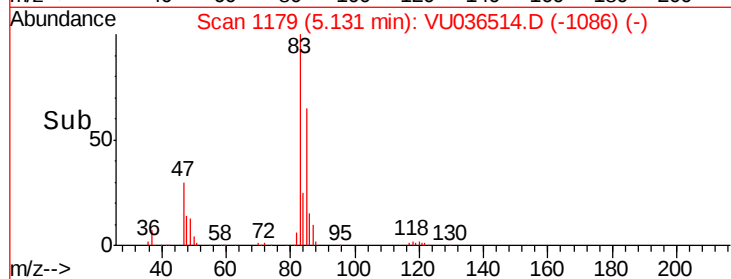
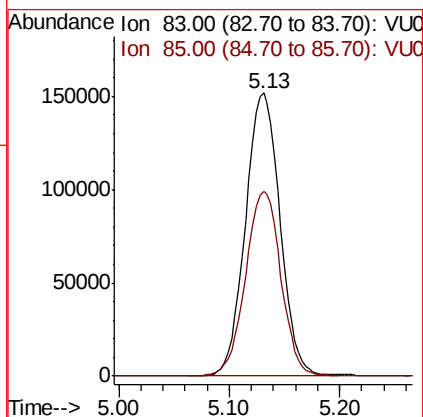
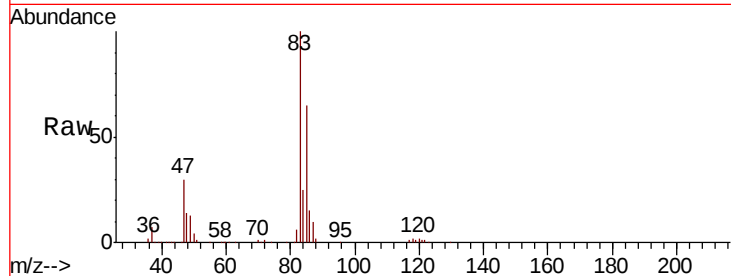




#25
Chloroform
Concen: 47.64 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

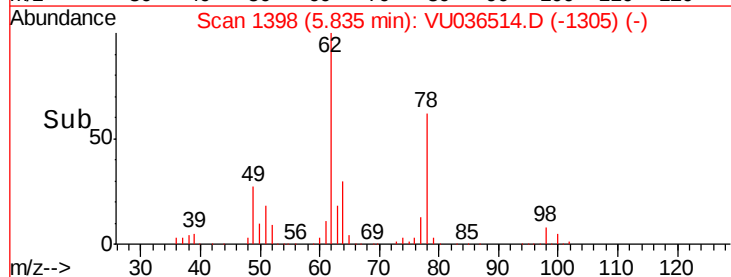
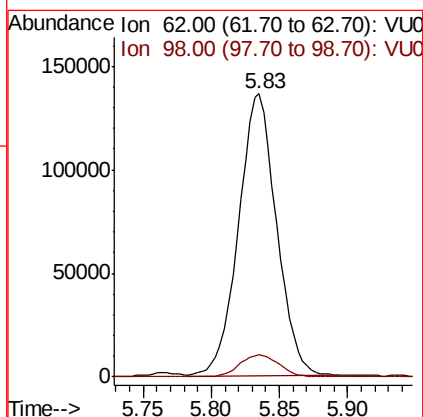
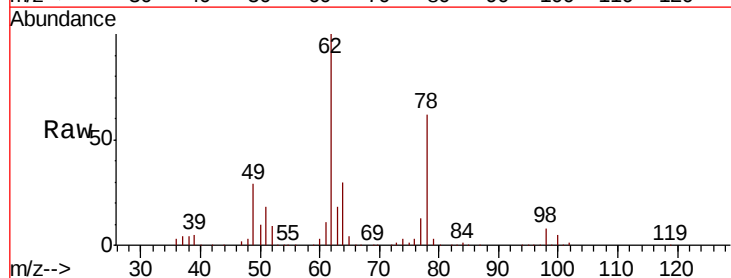
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

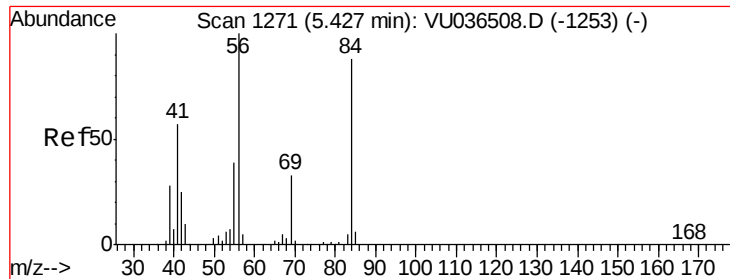
Tgt Ion: 83 Resp: 330712
Ion Ratio Lower Upper
83 100
85 65.2 45.1 83.9



#27
1,2-Dichloroethane
Concen: 47.90 ug/L
RT: 5.83 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 62 Resp: 263353
Ion Ratio Lower Upper
62 100
98 7.7 6.6 9.8

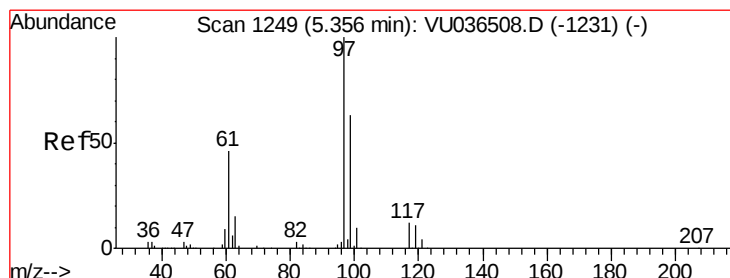
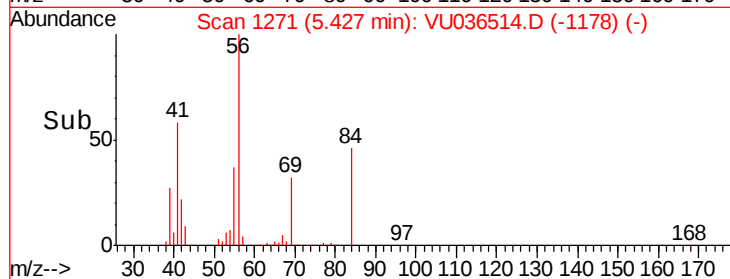
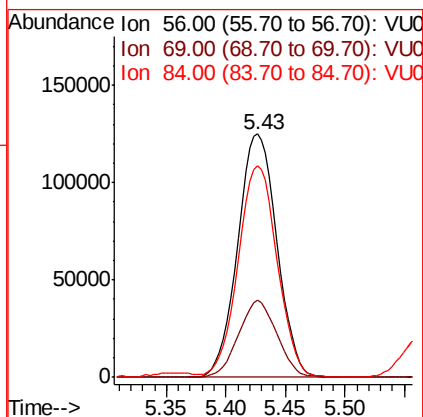
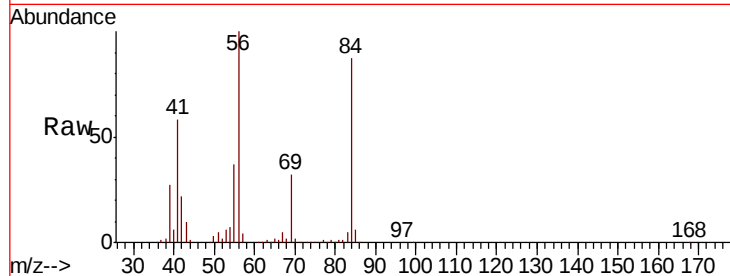




#29
Cyclohexane
Concen: 46.81 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

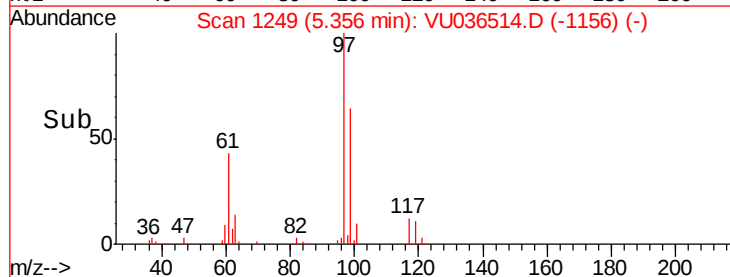
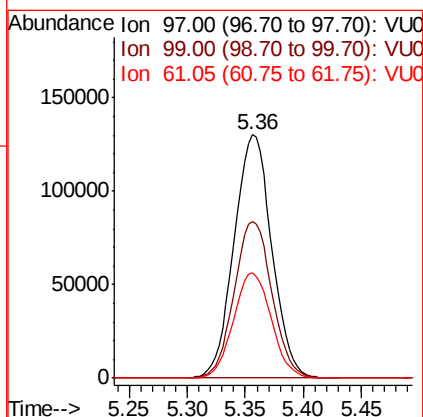
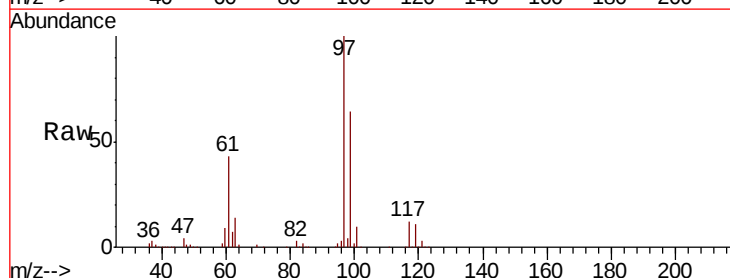
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

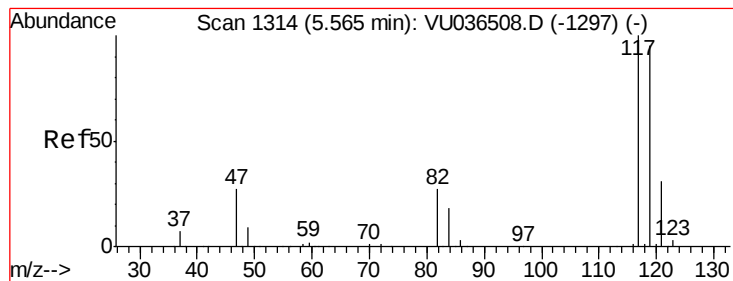
Tgt Ion: 56 Resp: 285290
Ion Ratio Lower Upper
56 100
69 31.0 24.6 36.8
84 85.9 67.4 101.2



#30
1,1,1-Trichloroethane
Concen: 48.85 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 97 Resp: 294807
Ion Ratio Lower Upper
97 100
99 64.5 50.2 75.2
61 43.4 35.3 52.9





#31

Carbon tetrachloride

Concen: 48.86 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

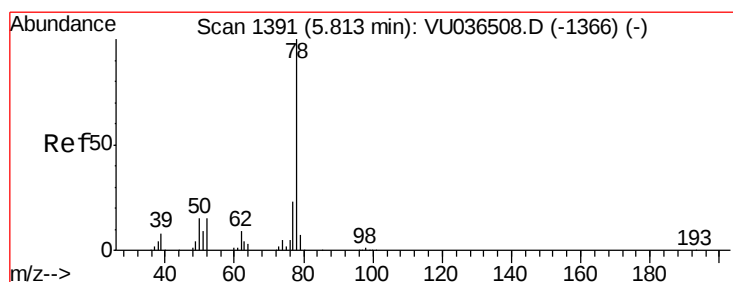
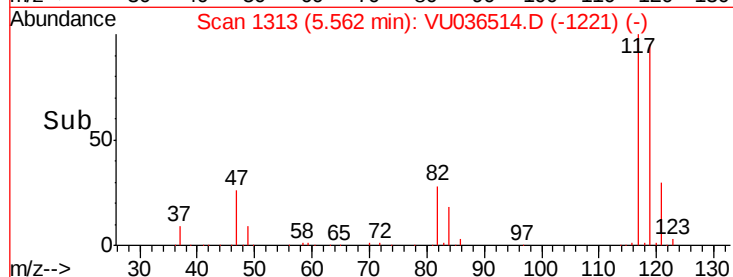
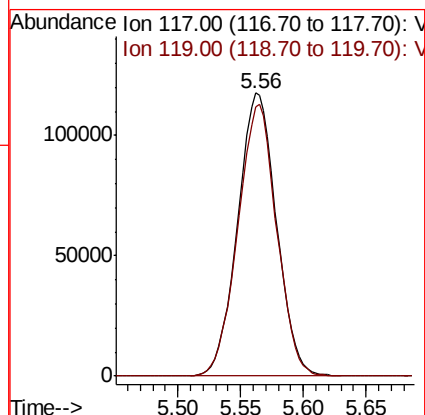
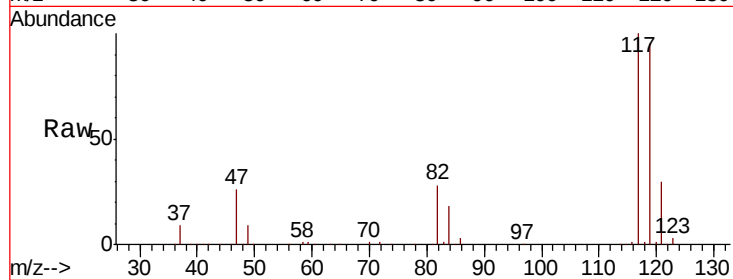
VSTD05046

Tgt Ion:117 Resp: 252726

Ion Ratio Lower Upper

117 100

119 95.8 74.3 111.5



#33

Benzene

Concen: 48.14 ug/L

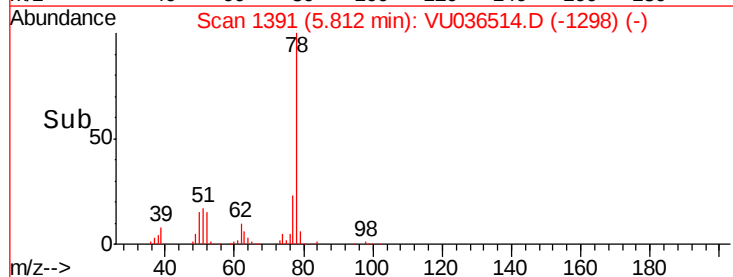
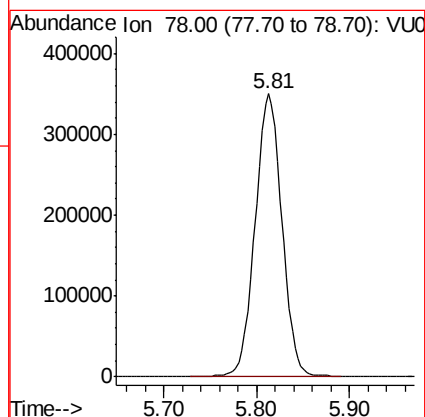
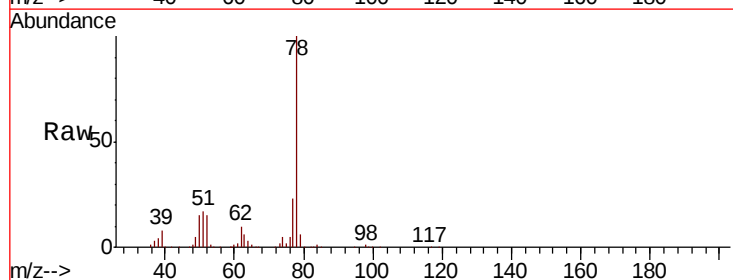
RT: 5.81 min Scan# 1391

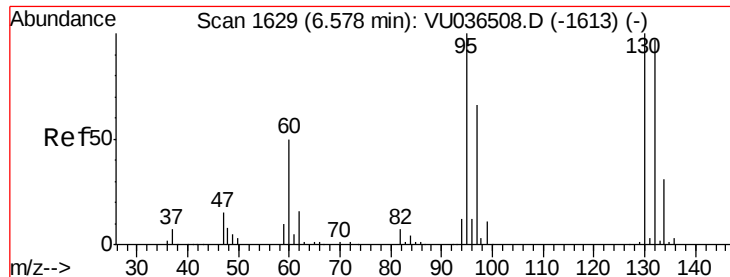
Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Tgt Ion: 78 Resp: 702874





#34

Trichloroethene

Concen: 49.37 ug/L

RT: 6.58 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

Tgt Ion: 95 Resp: 194657

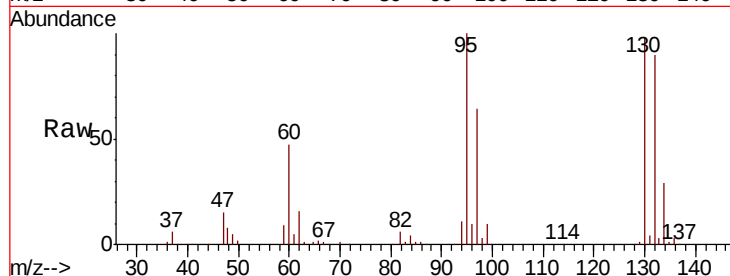
Ion Ratio Lower Upper

95 100

97 64.4 44.2 82.2

132 90.2 62.8 116.6

130 97.8 66.1 122.7

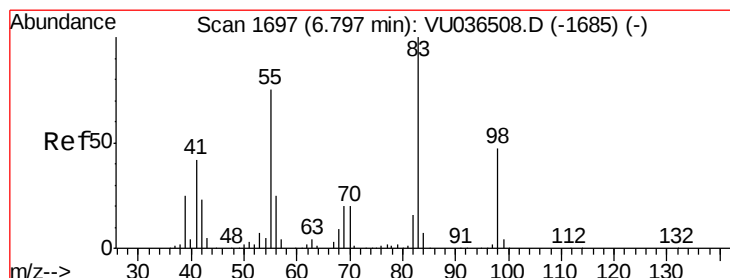
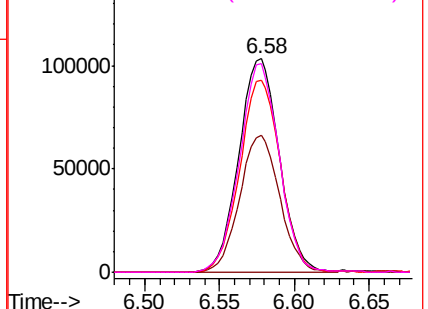
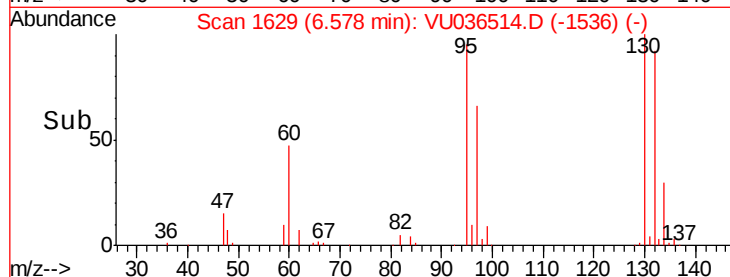


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 48.75 ug/L

RT: 6.80 min Scan# 1697

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

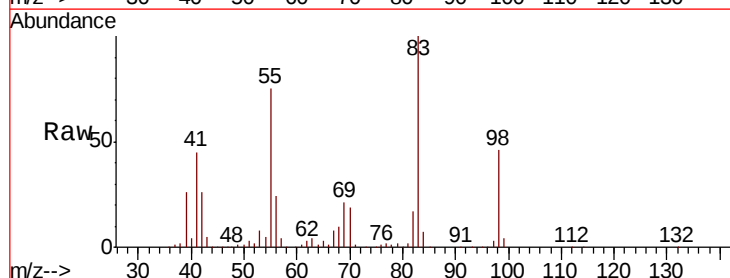
Tgt Ion: 83 Resp: 295905

Ion Ratio Lower Upper

83 100

55 74.9 59.9 89.9

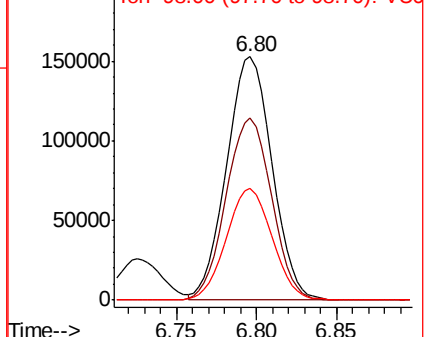
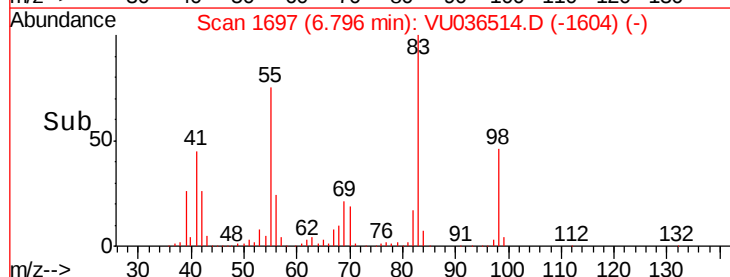
98 46.3 36.4 54.6

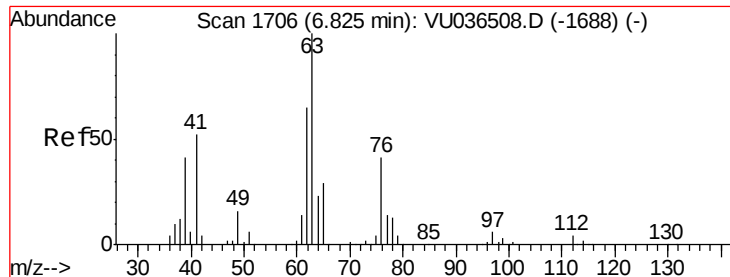


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

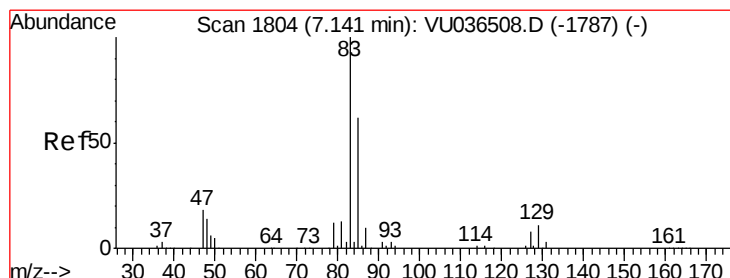
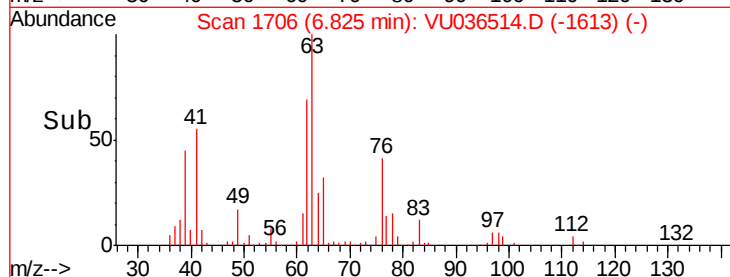
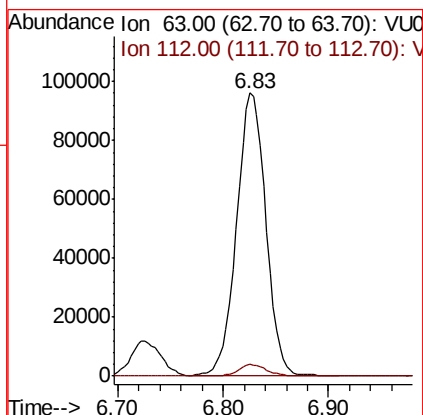
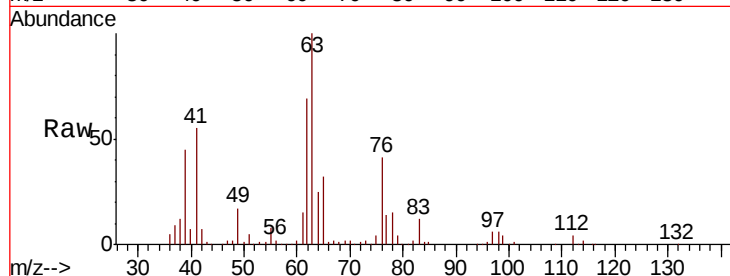




#37
 1,2-Dichloropropane
 Concen: 47.71 ug/L
 RT: 6.83 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

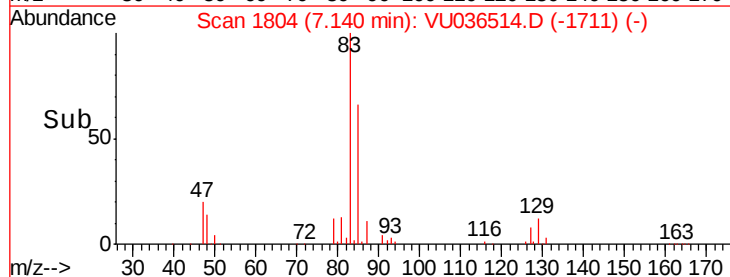
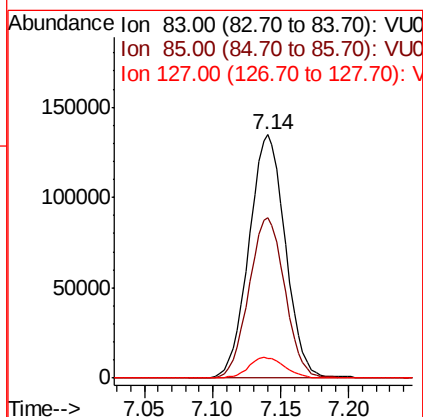
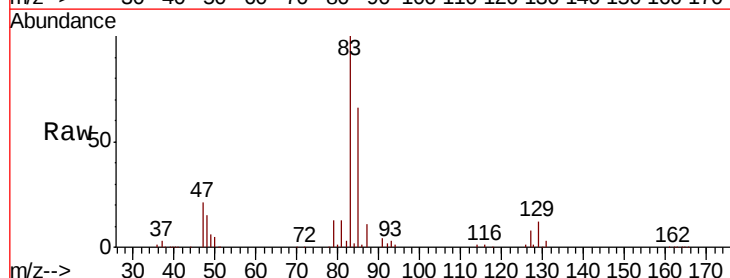
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

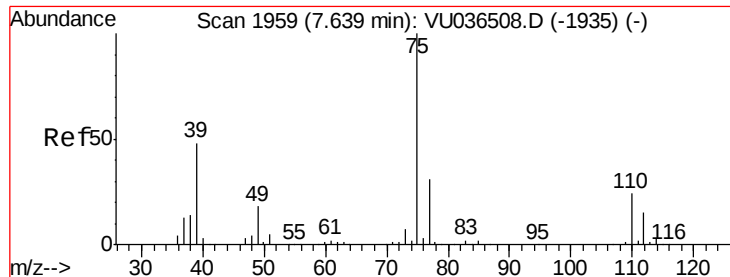
Tgt Ion: 63 Resp: 184628
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#38
 Bromodichloromethane
 Concen: 46.67 ug/L
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion: 83 Resp: 248543
 Ion Ratio Lower Upper
 83 100
 85 66.0 44.0 81.8
 127 8.3 6.7 10.1

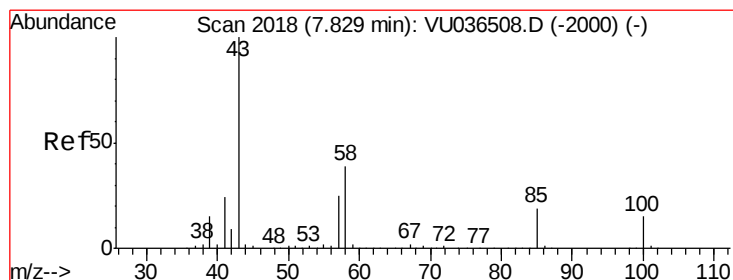
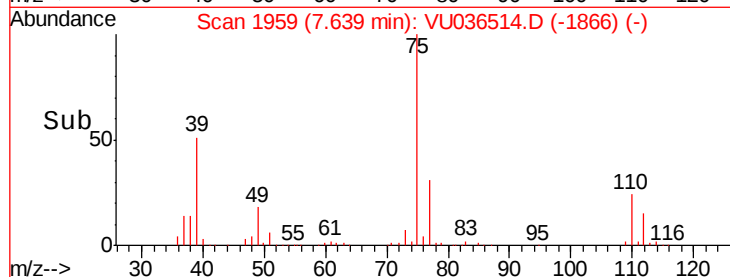
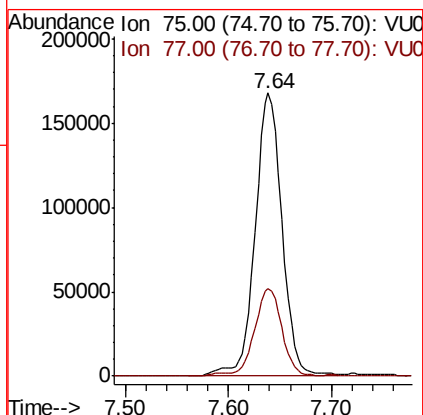
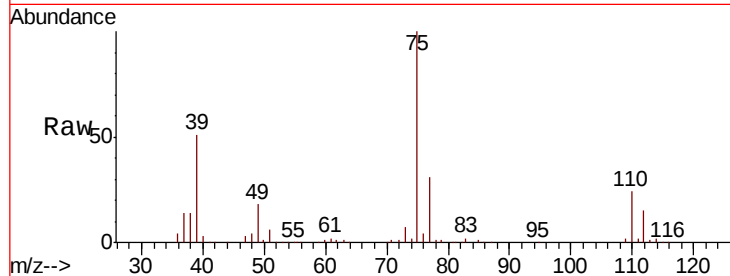




#39
 cis-1,3-Dichloropropene
 Concen: 48.45 ug/L
 RT: 7.64 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

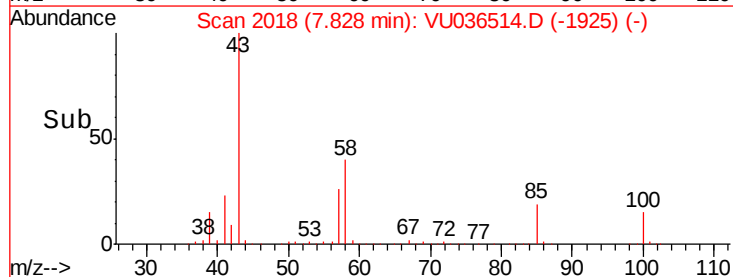
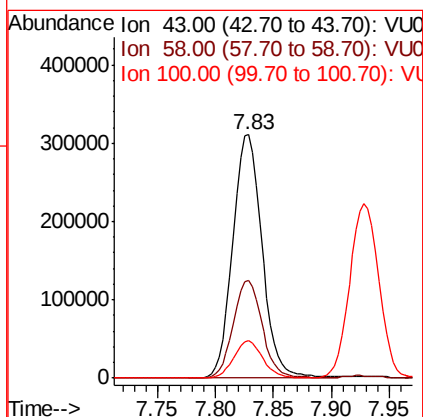
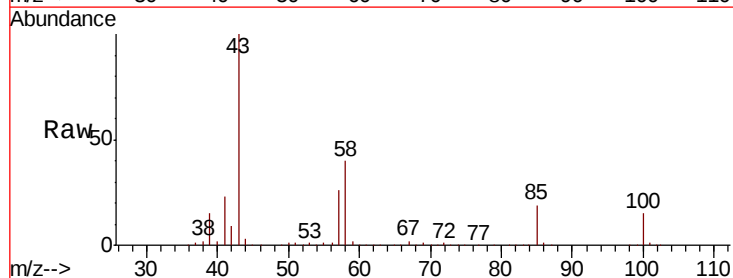
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

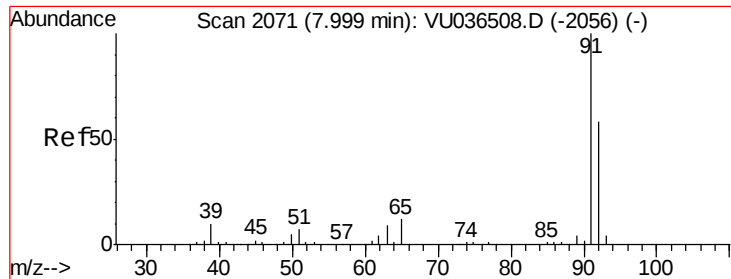
Tgt Ion: 75 Resp: 303530
 Ion Ratio Lower Upper
 75 100
 77 31.0 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 87.64 ug/L
 RT: 7.83 min Scan# 2018
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion: 43 Resp: 545612
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.0 48.0
 100 15.1 11.4 17.0





#42

Toluene

Concen: 48.22 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

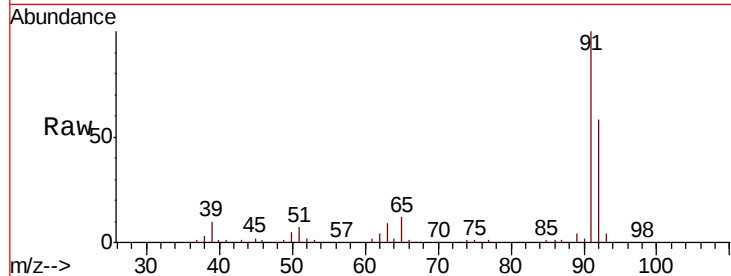
VSTD05046

Tgt Ion: 91 Resp: 764706

Ion Ratio Lower Upper

91 100

92 57.7 39.5 73.3



Abundance Ion 91.00 (90.70 to 91.70): VU036508.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU036508.D (-2056) (-)

8.00

400000

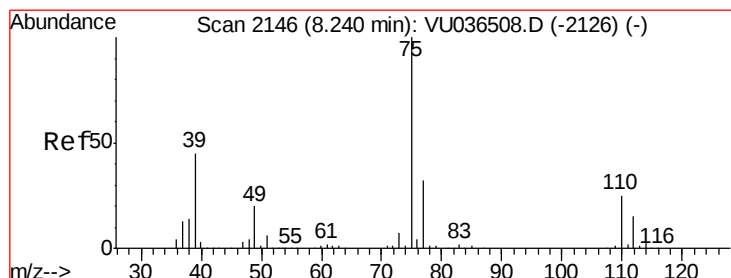
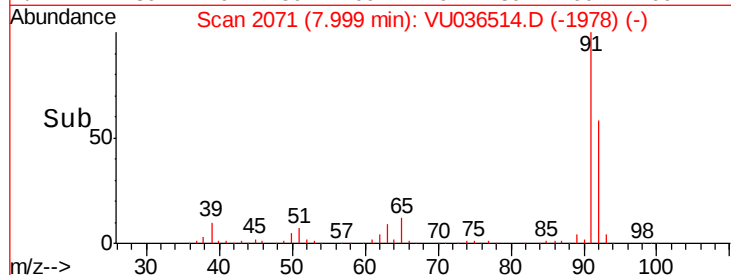
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 47.54 ug/L

RT: 8.24 min Scan# 2146

Delta R.T. -0.00 min

Lab File: VU036514.D

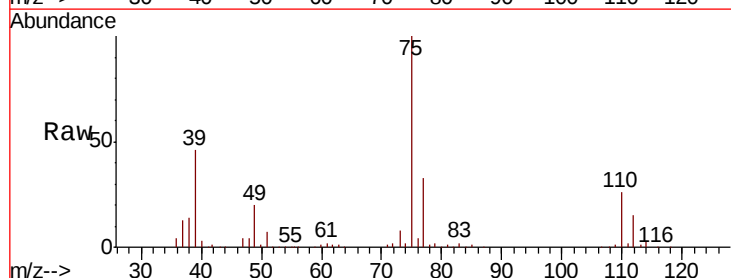
Acq: 17 Jan 2020 14:12

Tgt Ion: 75 Resp: 275871

Ion Ratio Lower Upper

75 100

77 32.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU036508.D (-2126) (-)

Ion 77.00 (76.70 to 77.70): VU036508.D (-2126) (-)

8.24

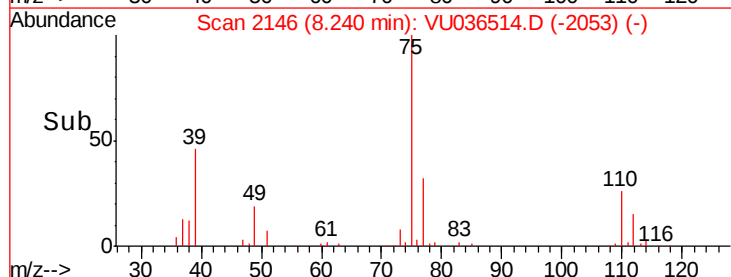
150000

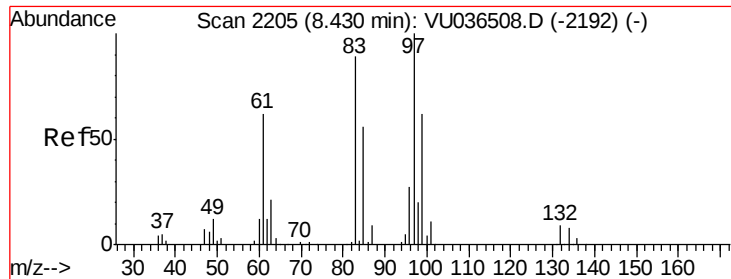
100000

50000

0

Time-->

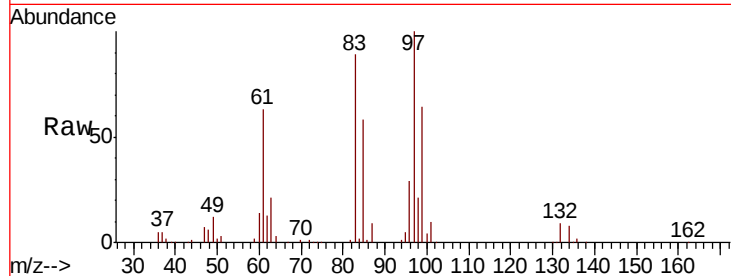




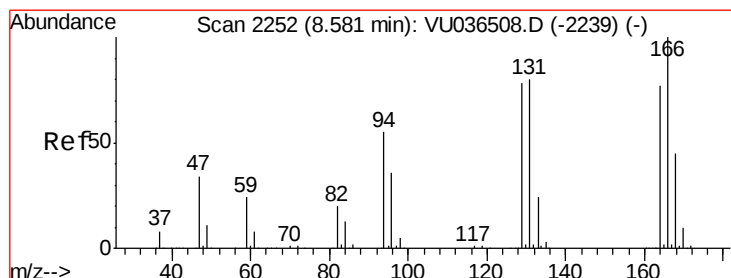
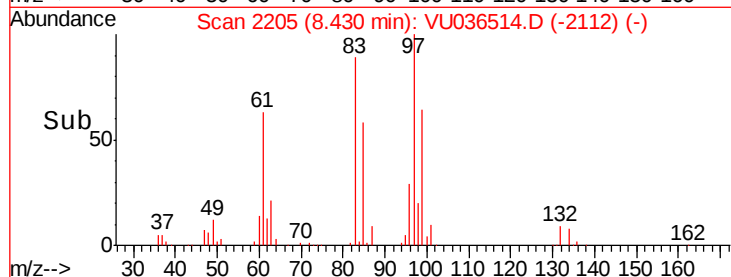
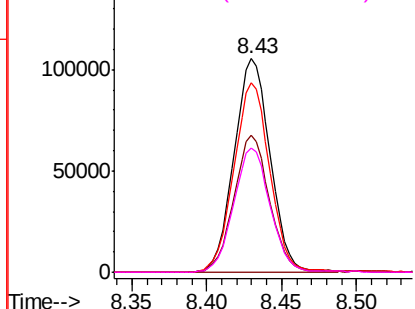
#45
 1,1,2-Trichloroethane
 Concen: 47.81 ug/L
 RT: 8.43 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

Tgt Ion: 97 Resp: 176861
 Ion Ratio Lower Upper
 97 100
 99 64.1 44.7 82.9
 83 88.9 59.4 110.2
 85 58.4 39.7 73.7

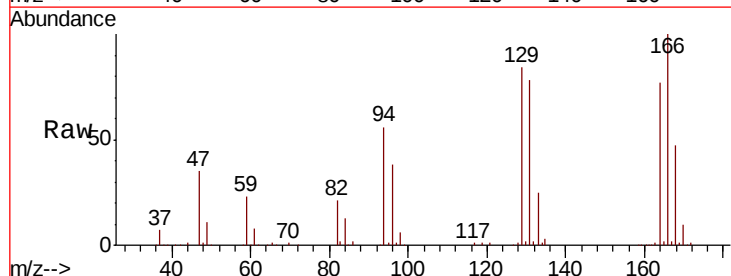


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

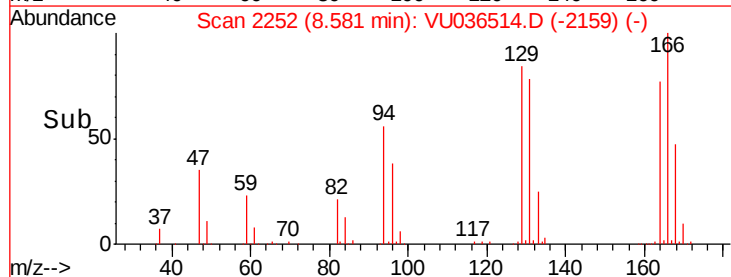
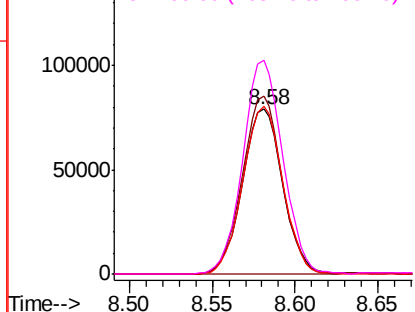


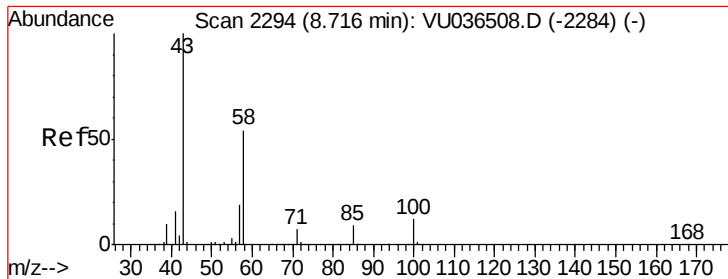
#46
 Tetrachloroethene
 Concen: 50.54 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion: 164 Resp: 134047
 Ion Ratio Lower Upper
 164 100
 129 108.4 68.1 126.5
 131 101.7 66.6 123.6
 166 129.7 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

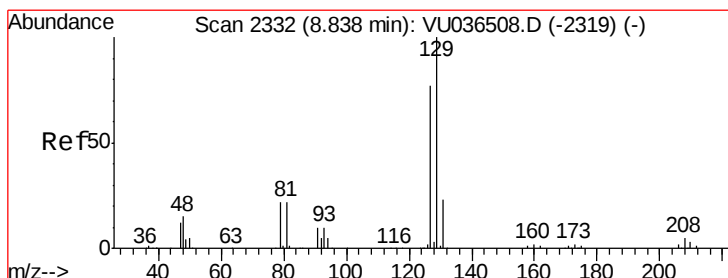
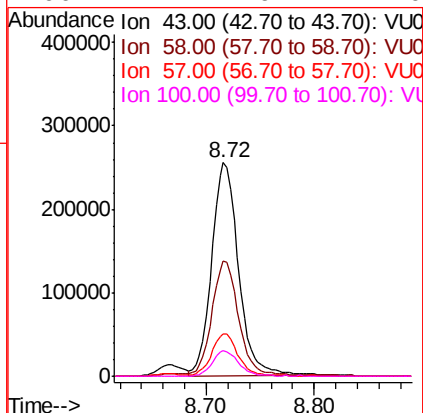
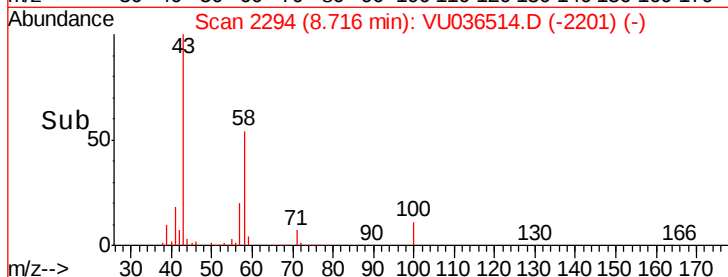
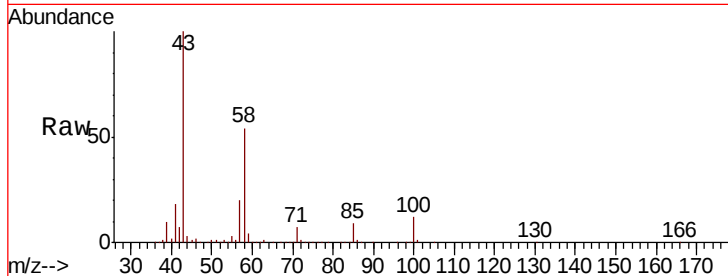




#48
2-Hexanone
Concen: 89.78 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

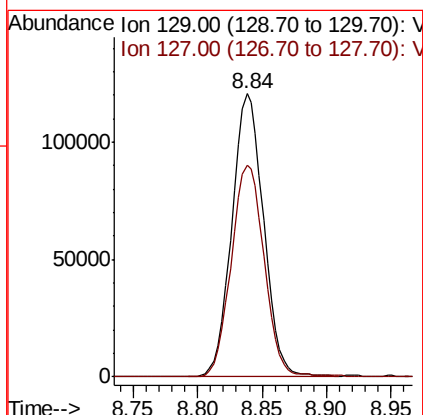
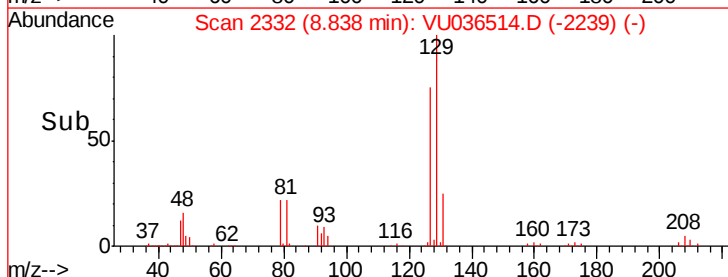
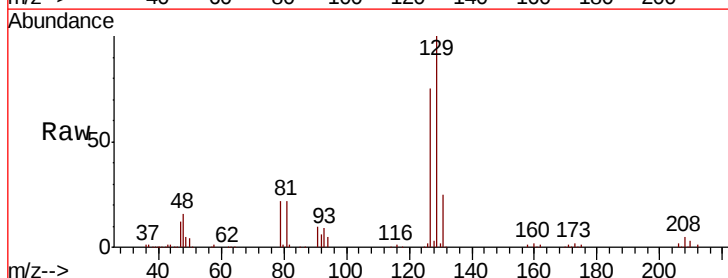
Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

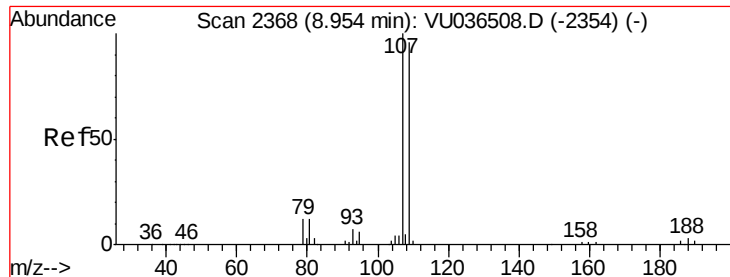
Tgt Ion: 43 Resp: 442063
Ion Ratio Lower Upper
43 100
58 53.5 43.7 65.5
57 18.3 14.7 22.1
100 11.7 9.4 14.0



#49
Dibromochloromethane
Concen: 50.17 ug/L
RT: 8.84 min Scan# 2332
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion: 129 Resp: 206421
Ion Ratio Lower Upper
129 100
127 74.6 54.7 101.7

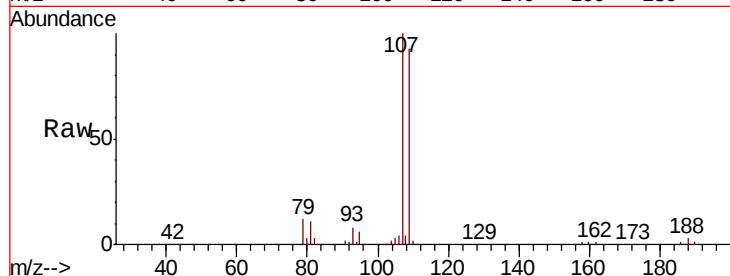




#50
1,2-Dibromoethane
Concen: 47.44 ug/L
RT: 8.95 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD05046

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.5	65.0	120.8
188	3.2	2.6	4.0

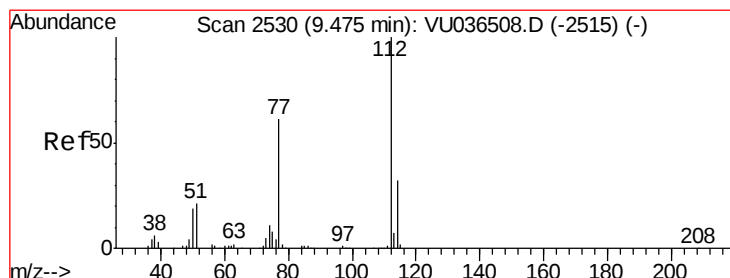
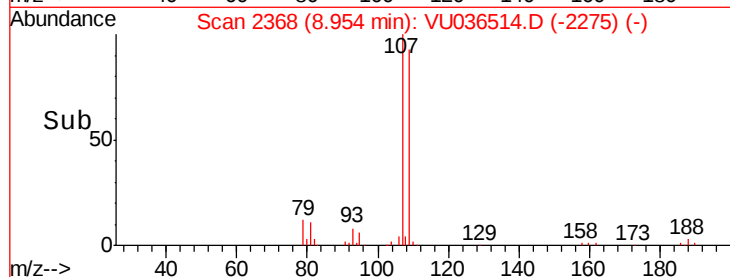
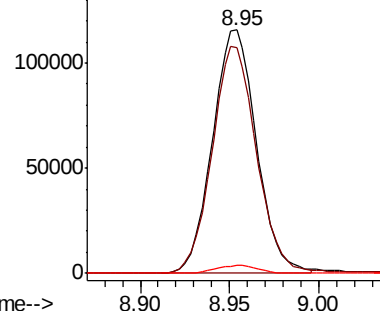


Abundance

Ion 107.00 (106.70 to 107.70): V

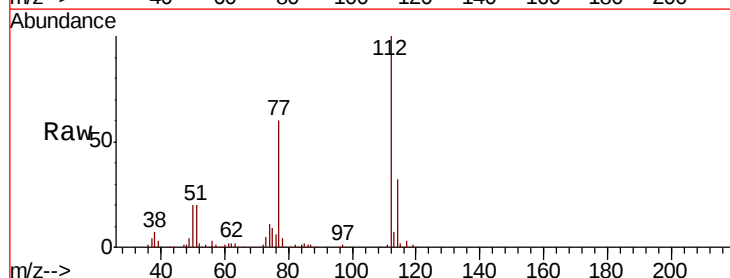
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 49.44 ug/L
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036514.D
Acq: 17 Jan 2020 14:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.0	41.0
77	59.9	47.8	71.8

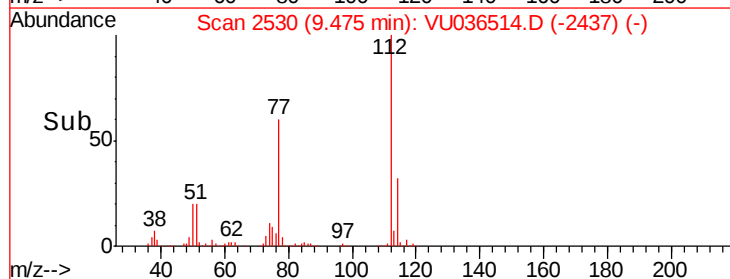
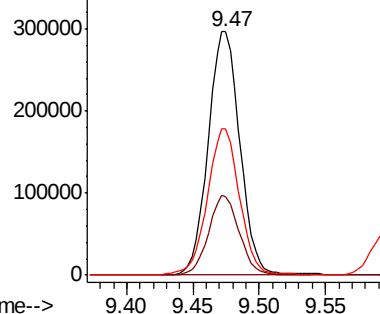


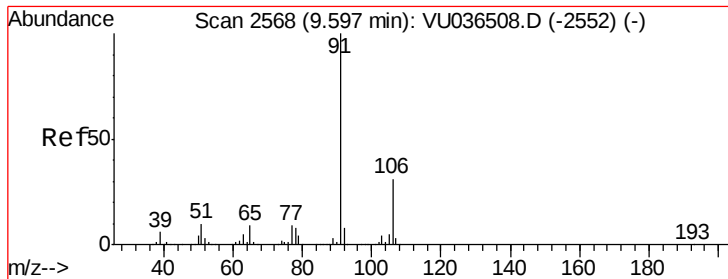
Abundance

Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 49.57 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

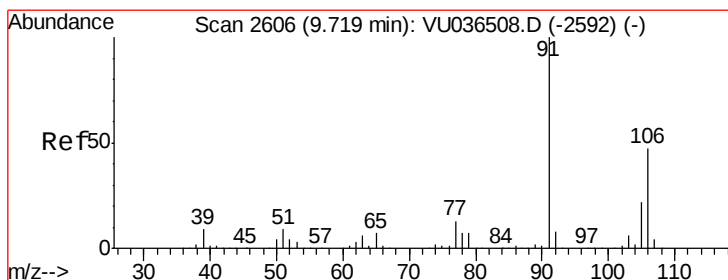
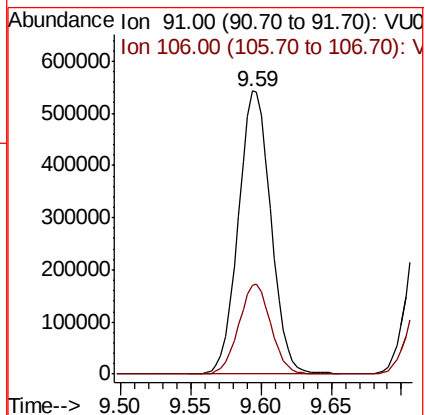
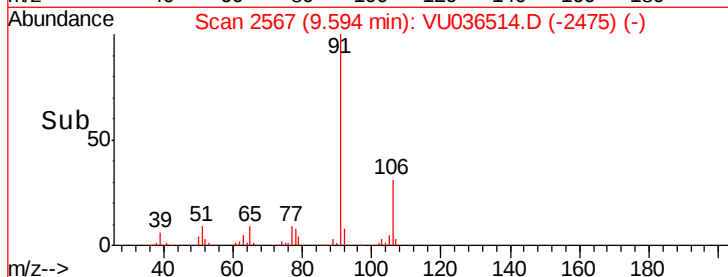
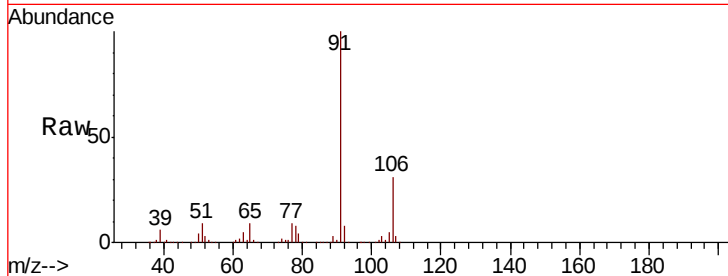
VSTD05046

Tgt Ion: 91 Resp: 878136

Ion Ratio Lower Upper

91 100

106 31.4 22.3 41.3



#53

m,p-Xylene

Concen: 49.90 ug/L

RT: 9.72 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VU036514.D

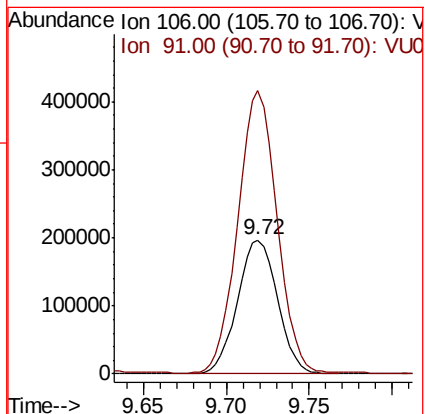
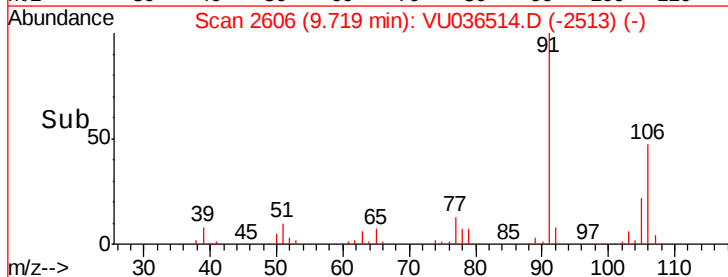
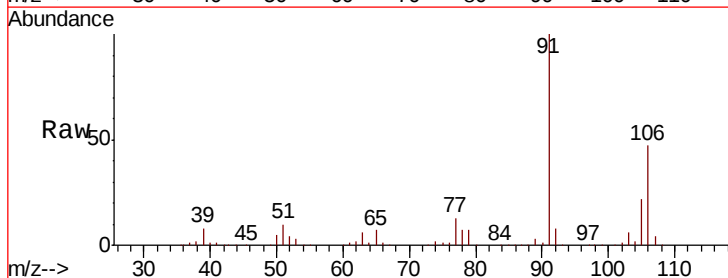
Acq: 17 Jan 2020 14:12

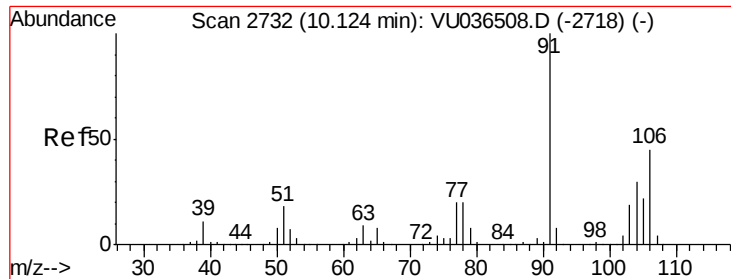
Tgt Ion: 106 Resp: 330522

Ion Ratio Lower Upper

106 100

91 211.1 145.9 270.9





#54

o-xylene

Concen: 48.47 ug/L

RT: 10.12 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

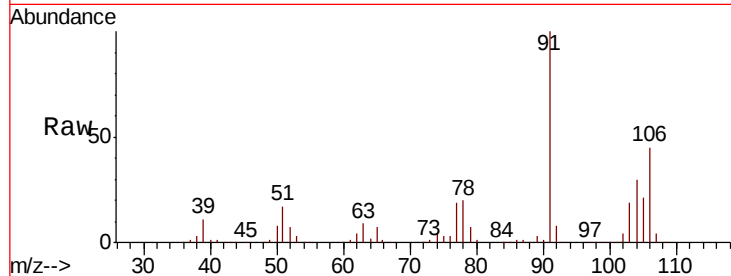
VSTD05046

Tgt Ion:106 Resp: 320492

Ion Ratio Lower Upper

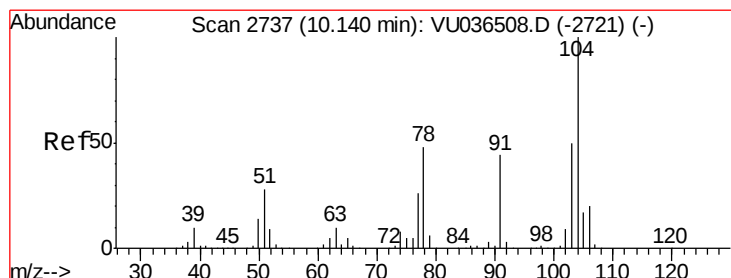
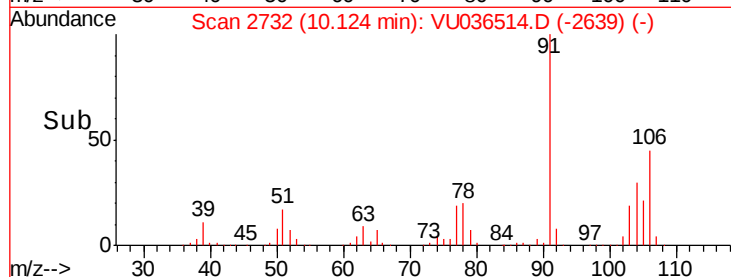
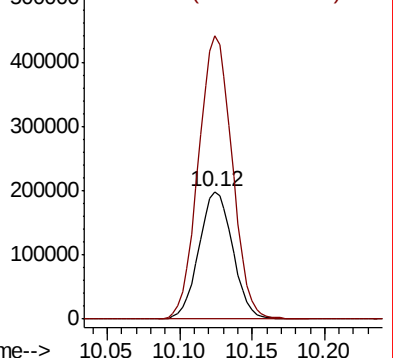
106 100

91 221.6 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.41 ug/L

RT: 10.14 min Scan# 2737

Delta R.T. -0.00 min

Lab File: VU036514.D

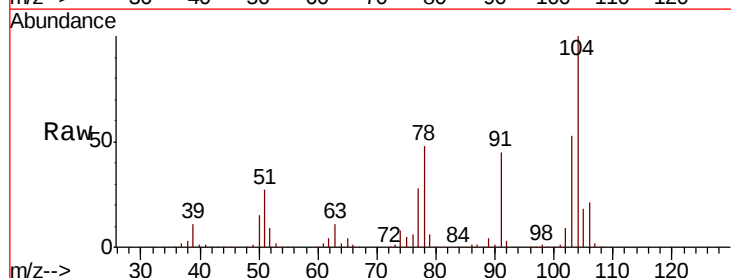
Acq: 17 Jan 2020 14:12

Tgt Ion:104 Resp: 540690

Ion Ratio Lower Upper

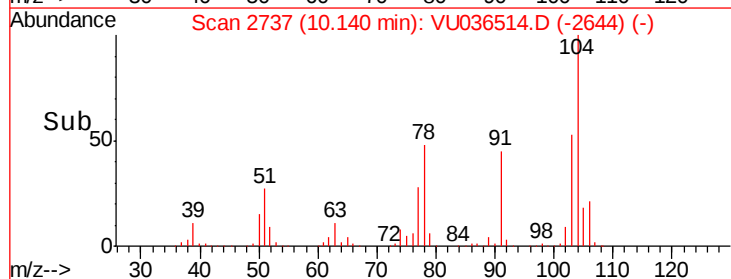
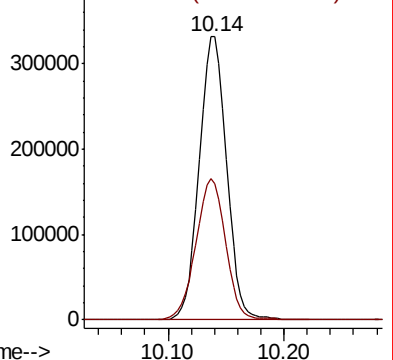
104 100

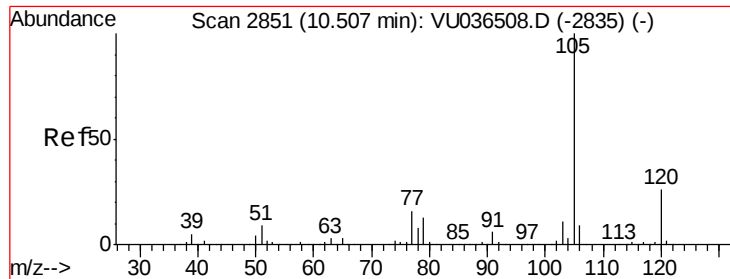
78 48.2 33.2 61.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.63 ug/L

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

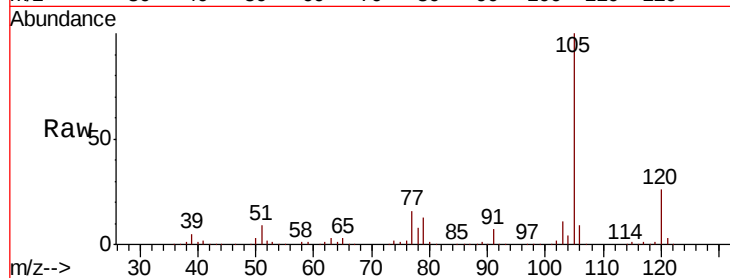
Tgt Ion: 105 Resp: 859275

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

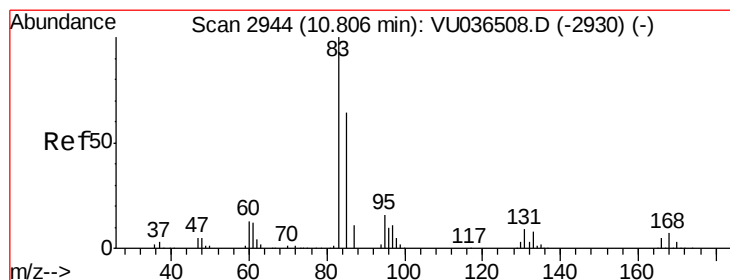
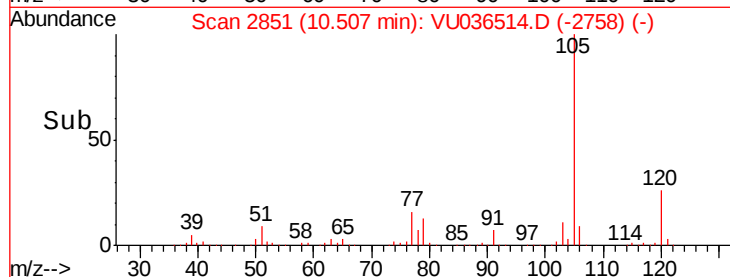
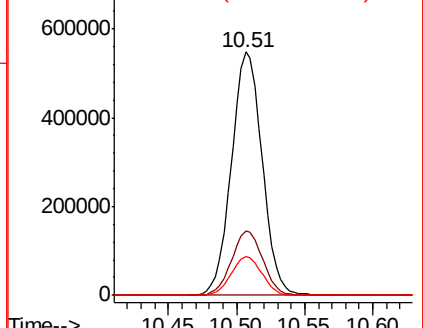
77 16.0 13.4 20.2



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: 47.07 ug/L

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

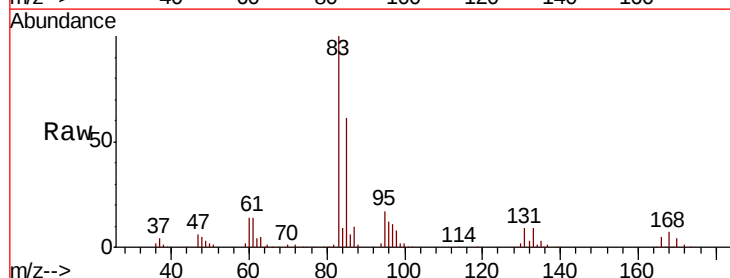
Tgt Ion: 83 Resp: 302786

Ion Ratio Lower Upper

83 100

85 61.0 44.7 82.9

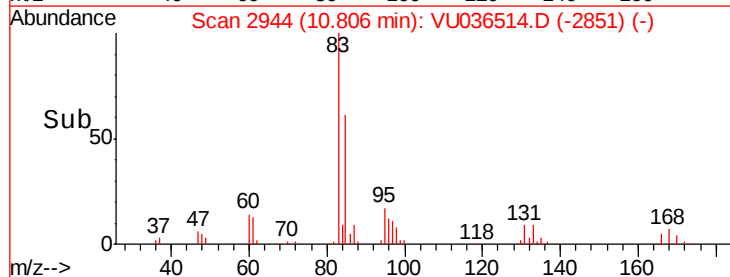
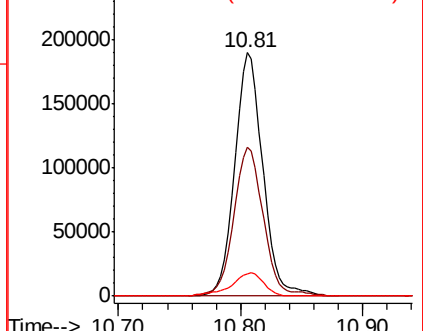
131 9.3 7.0 10.6

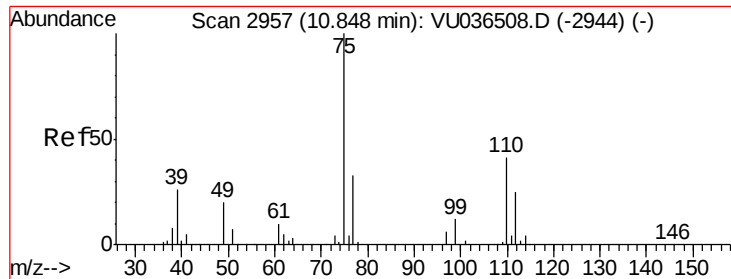


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

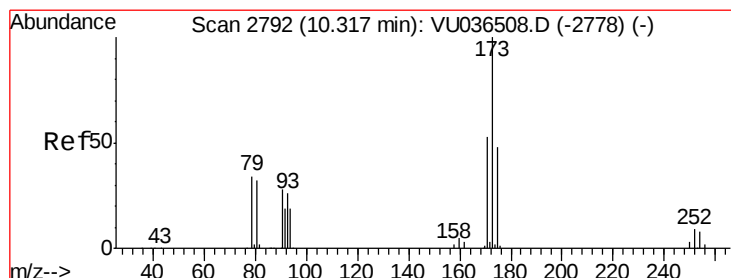
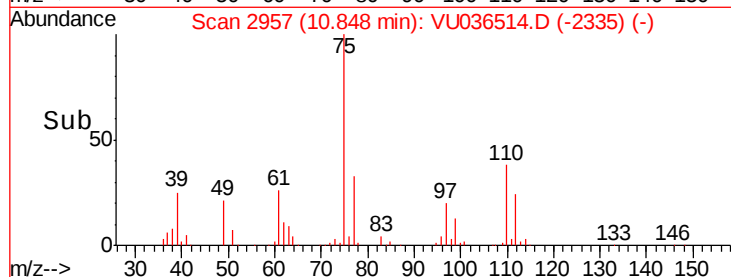
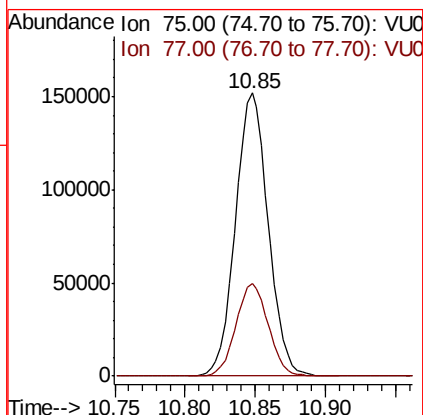
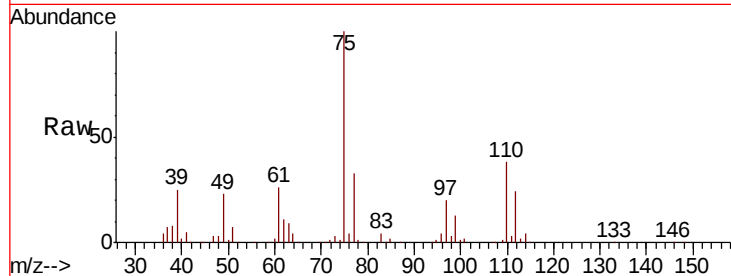




#59
 1,2,3-Trichloropropane
 Concen: 46.28 ug/L
 RT: 10.85 min Scan# 2957
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

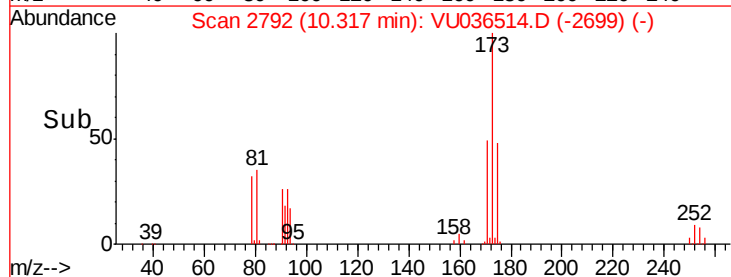
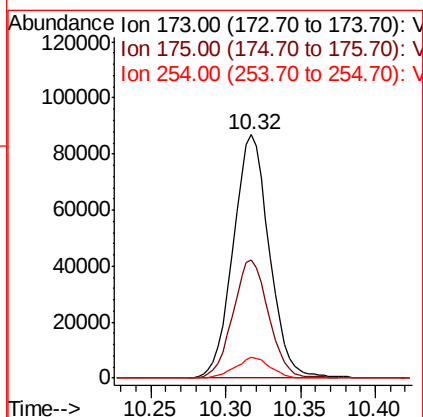
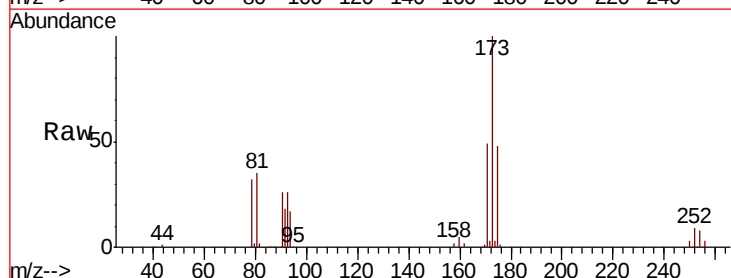
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

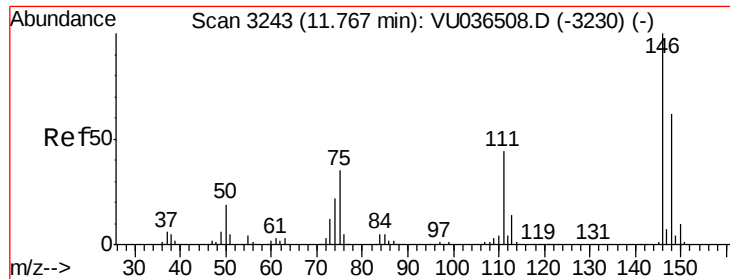
Tgt Ion: 75 Resp: 246993
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.0 37.4



#61
 Bromoform
 Concen: 41.84 ug/L
 RT: 10.32 min Scan# 2792
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion: 173 Resp: 145679
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.6 59.4
 254 8.1 6.3 9.5





#62

1,3-Dichlorobenzene

Concen: 47.12 ug/L

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

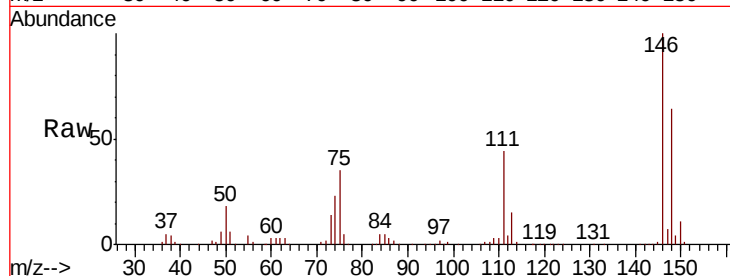
Tgt Ion:146 Resp: 379396

Ion Ratio Lower Upper

146 100

111 44.4 31.3 58.1

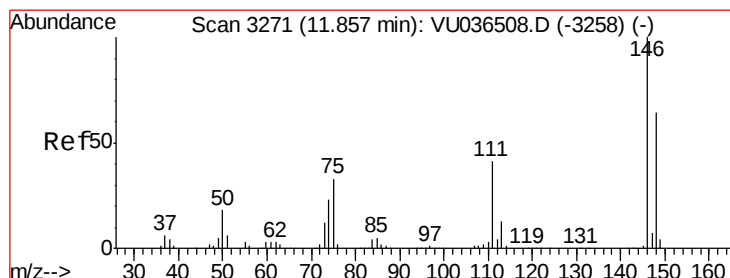
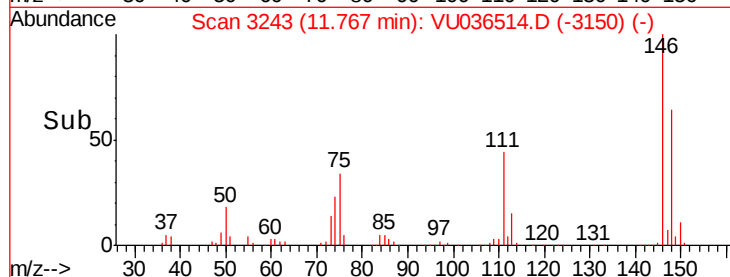
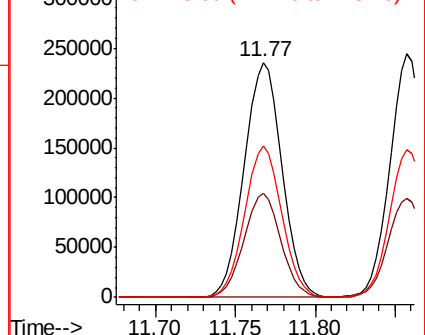
148 64.3 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 47.01 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

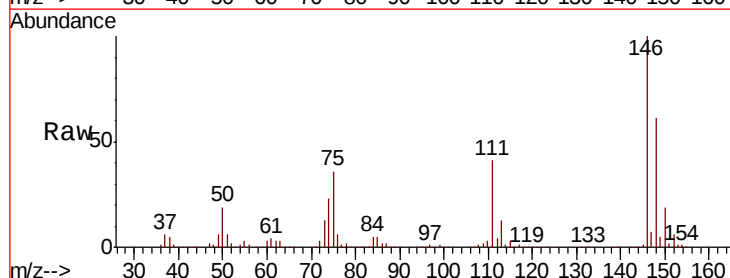
Tgt Ion:146 Resp: 380318

Ion Ratio Lower Upper

146 100

111 40.7 29.3 54.3

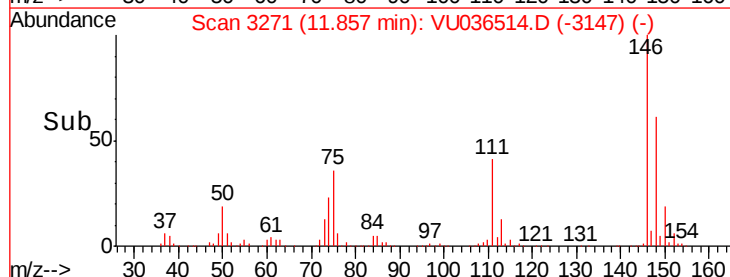
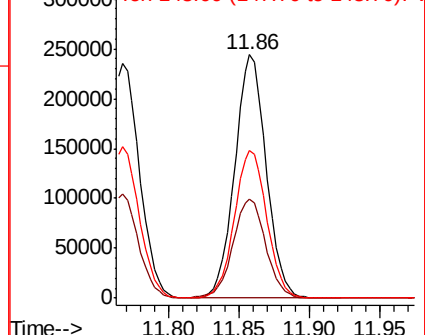
148 60.6 43.8 81.3

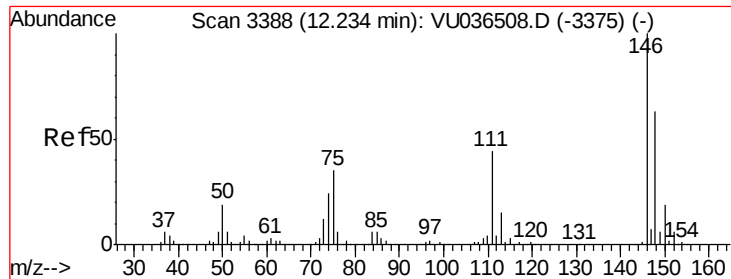


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 46.88 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

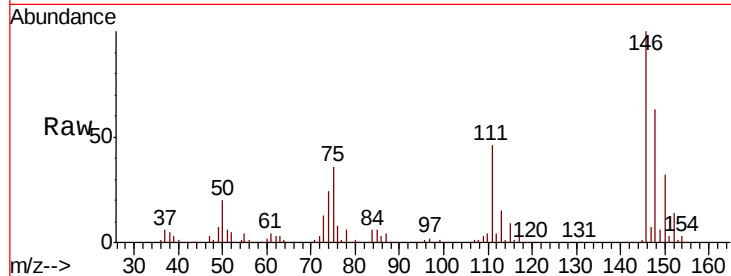
Tgt Ion:146 Resp: 372274

Ion Ratio Lower Upper

146 100

111 46.4 37.0 55.4

148 62.6 52.3 78.5

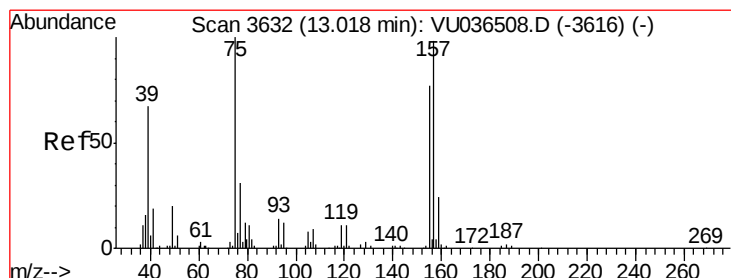
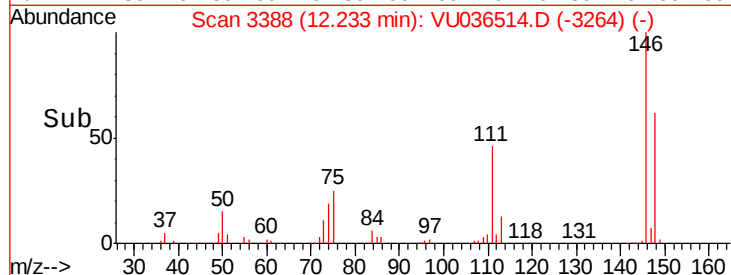
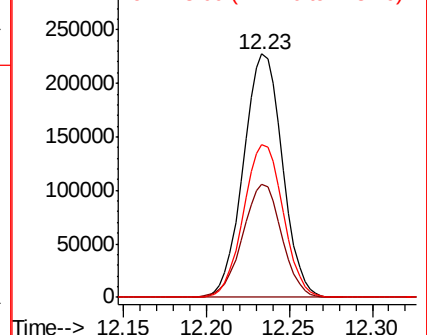


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 42.51 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

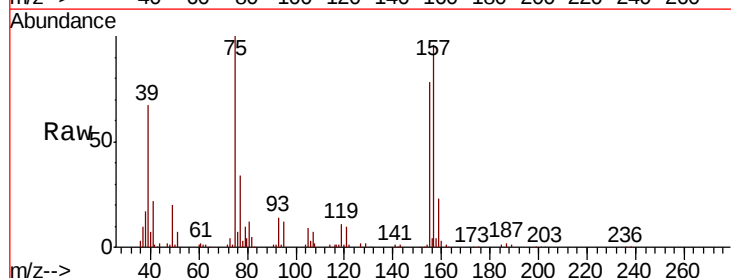
Tgt Ion: 75 Resp: 74244

Ion Ratio Lower Upper

75 100

155 78.0 59.1 88.7

157 95.9 72.7 109.1

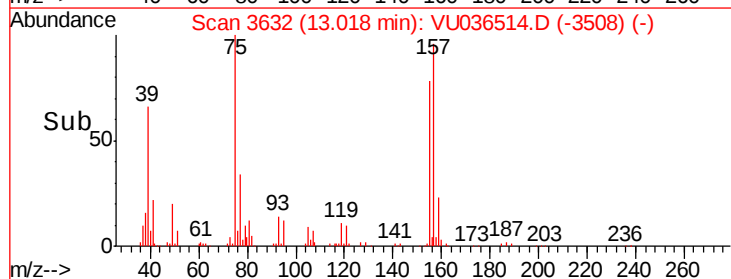
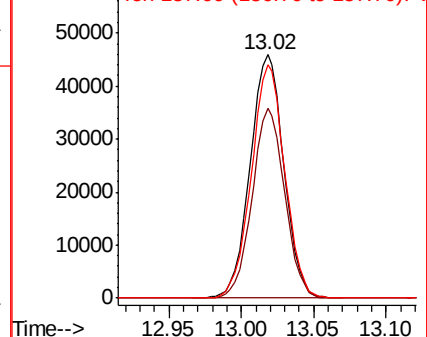


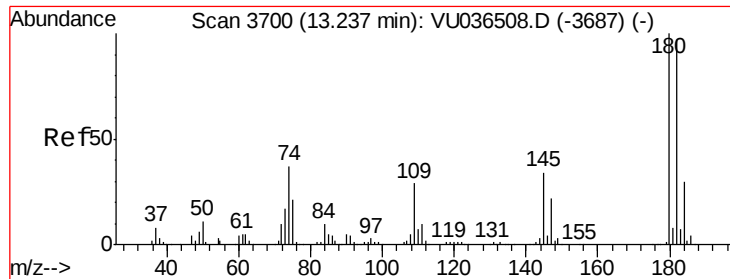
Abundance

Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

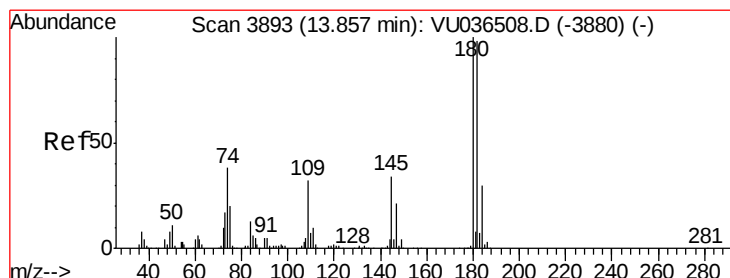
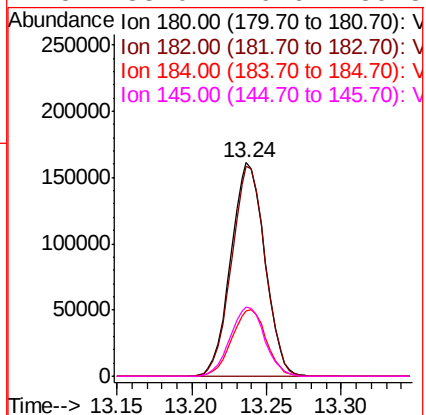
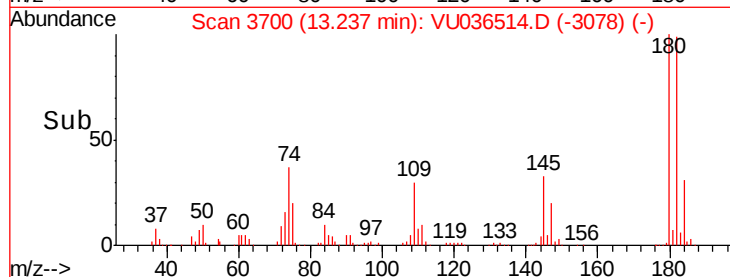
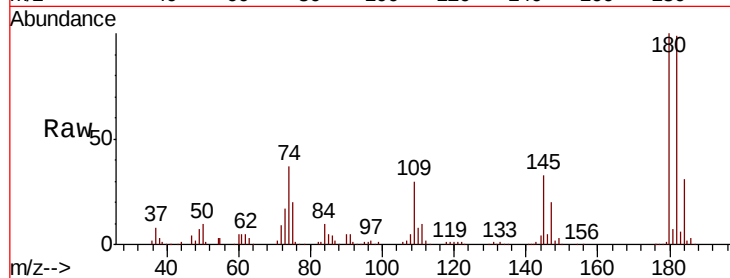




#67
 1,3,5-Trichlorobenzene
 Concen: 52.28 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

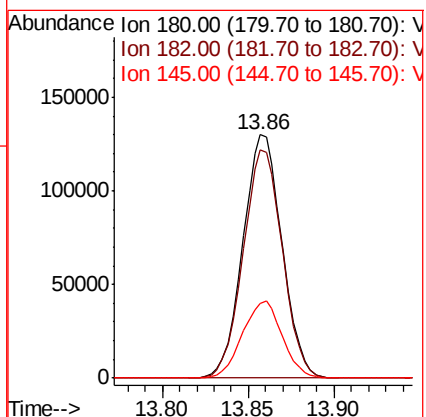
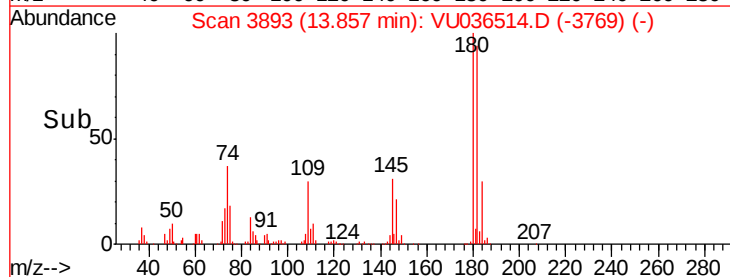
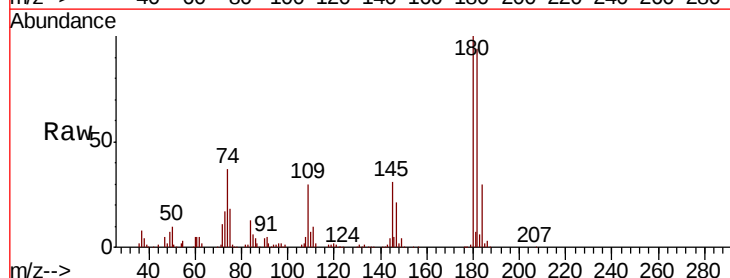
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05046

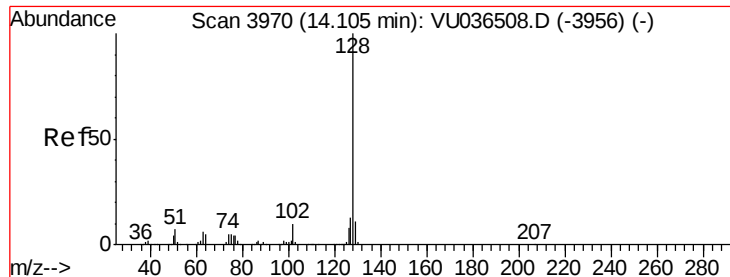
Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.8	113.6
184	31.5	24.4	36.6
145	33.0	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 57.06 ug/L
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036514.D
 Acq: 17 Jan 2020 14:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.1	111.1
145	32.3	26.6	40.0





#69

Naphthalene

Concen: 54.15 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD05046

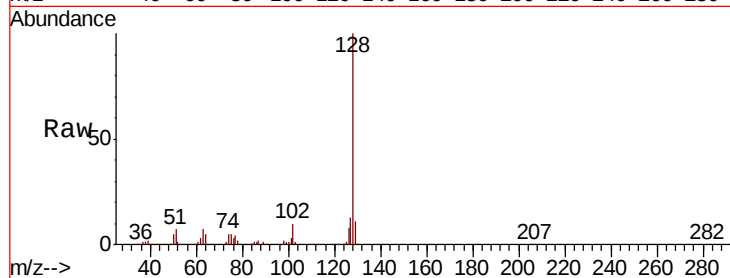
Tgt Ion:128 Resp: 656469

Ion Ratio Lower Upper

128 100

127 12.8 10.0 15.0

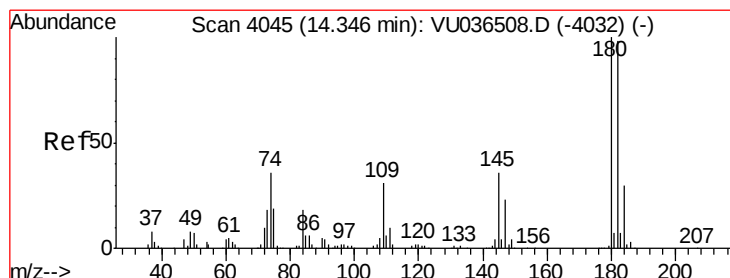
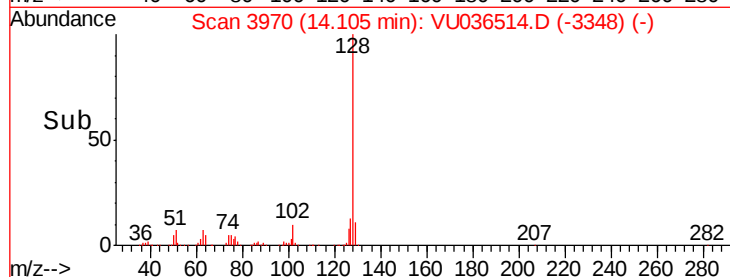
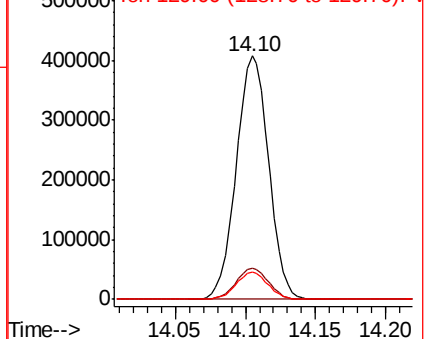
129 11.0 8.6 12.8



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: 53.23 ug/L

RT: 14.35 min Scan# 4045

Delta R.T. -0.00 min

Lab File: VU036514.D

Acq: 17 Jan 2020 14:12

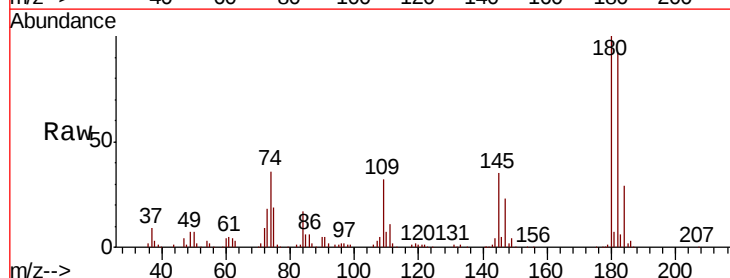
Tgt Ion:180 Resp: 198120

Ion Ratio Lower Upper

180 100

182 94.4 77.1 115.7

145 36.4 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

