

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
 Data File : VU040520.D
 Acq On : 05 Oct 2020 19:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Quant Time: Oct 06 07:55:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 07:45:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	125278	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	123104	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29401	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	24674	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	2.58	63	69836	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	4.65	46	126724	41.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.26%
24) Chloroform-d	5.08	84	67035	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	40276	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
32) Benzene-d6	5.75	84	121609	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	6.70	67	42137	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.91	98	113184	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.20%
43) trans-1,3-Dichloropropene-	8.19	79	17190	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.64	63	91107	41.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37417	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	43951	4.41	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	56219	4.475	ug/L	99
3) Chloromethane	1.53	50	50917	4.133	ug/L	100
5) Vinyl chloride	1.61	62	52501	4.335	ug/L	97
6) Bromomethane	1.87	94	21516	3.654	ug/L	99
8) Chloroethane	1.94	64	32164	4.482	ug/L	99
9) Trichlorofluoromethane	2.15	101	75962	4.547	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47245	4.429	ug/L	96
12) 1,1-Dichloroethene	2.59	96	43639	4.574	ug/L	94
13) Acetone	2.66	43	114045	44.423	ug/L	92
14) Carbon disulfide	2.81	76	123053	4.081	ug/L	99
15) Methyl Acetate	2.97	43	26402	4.270	ug/L	100
16) Methylene chloride	3.06	84	52249	4.360	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	118653	4.514	ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	43622	4.422	ug/L	96
19) 1,1-Dichloroethane	3.89	63	96452	4.764	ug/L	99
21) 2-Butanone	4.73	43	185895	45.113	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	49885	4.571	ug/L	95

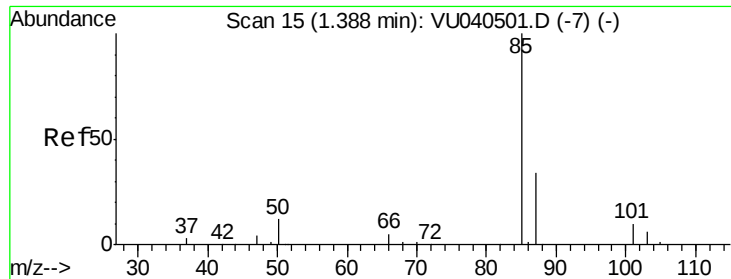
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 07:45:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	23611	4.725	ug/L	98
25) Chloroform	5.11	83	98724	4.780	ug/L	97
27) 1,2-Dichloroethane	5.81	62	67463	4.717	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	81452	4.844	ug/L	99
30) Cyclohexane	5.41	56	76292	4.385	ug/L	99
31) Carbon tetrachloride	5.54	117	70340	4.878	ug/L	97
33) Benzene	5.79	78	195752	4.743	ug/L	100
34) Trichloroethene	6.56	95	50482	4.607	ug/L	94
35) Methylcyclohexane	6.77	83	69106	4.300	ug/L	100
37) 1,2-Dichloropropane	6.80	63	54945	4.780	ug/L	99
38) Bromodichloromethane	7.12	83	69186	4.875	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	71103	4.612	ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	432511	48.051	ug/L	100
42) Toluene	7.98	91	203760	4.814	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	66033	4.646	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	39364	4.886	ug/L	98
47) Tetrachloroethene	8.56	164	36624	4.708	ug/L	94
48) 2-Hexanone	8.69	43	317722	47.903	ug/L	100
49) Dibromochloromethane	8.82	129	45304	4.834	ug/L	97
50) 1,2-Dibromoethane	8.93	107	37167	4.809	ug/L	94
51) Chlorobenzene	9.45	112	130964	4.786	ug/L	99
52) Ethylbenzene	9.57	91	214600	4.673	ug/L	99
53) m,p-Xylene	9.70	106	79259	4.633	ug/L	99
54) o-Xylene	10.10	106	76983	4.783	ug/L	99
55) Styrene	10.11	104	138651	4.939	ug/L	98
56) Isopropylbenzene	10.48	105	209116	4.815	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	52338	4.793	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	39537	4.746	ug/L	99
61) Bromoform	10.29	173	25657	4.717	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	103271	4.740	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	105573	4.658	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	98549	4.653	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	8519	4.462	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	69146	4.445	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	56741	4.540	ug/L	98
69) Naphthalene	14.08	128	90737	4.248	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	53165	4.649	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.475 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

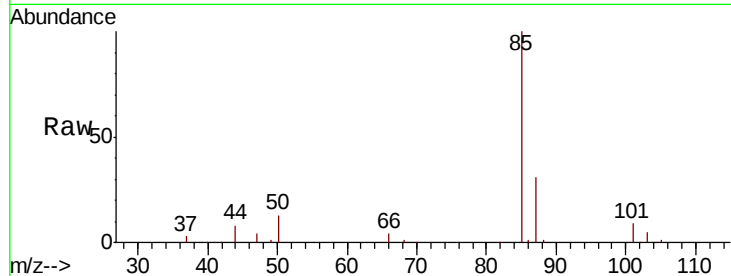
VSTD00513

Tot Ion: 85 Resp: 56219

Ion Ratio Lower Upper

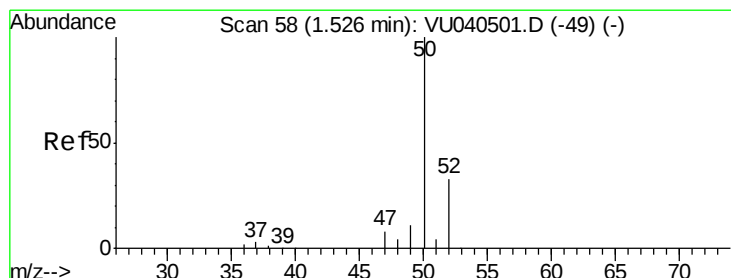
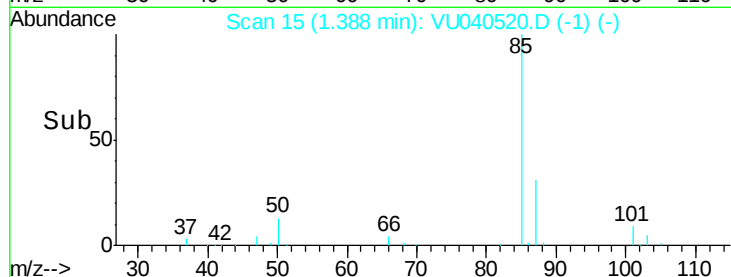
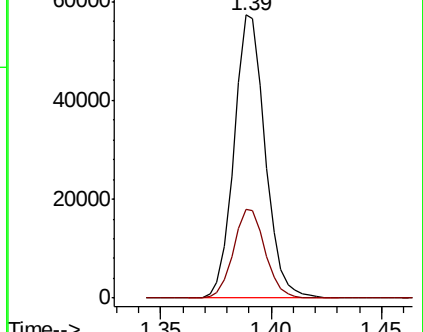
85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040520.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU040520.D (-1) (-)



#3

Chloromethane

Concen: 4.133 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040520.D

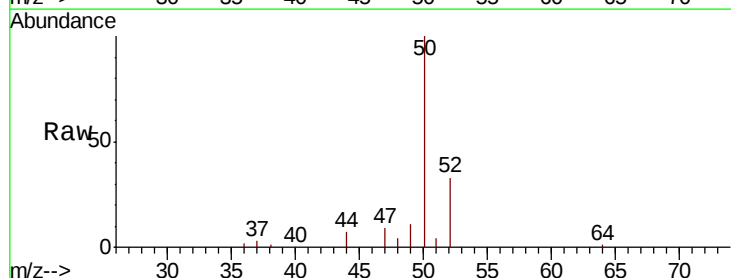
Acq: 05 Oct 2020 19:23

Tgt Ion: 50 Resp: 50917

Ion Ratio Lower Upper

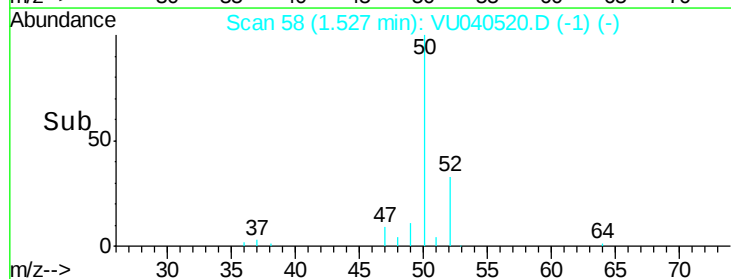
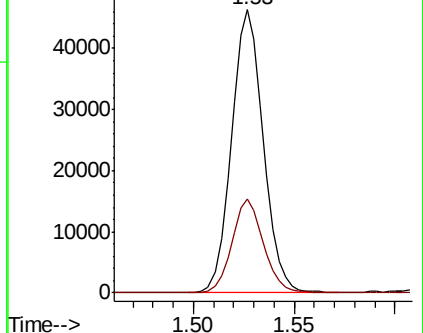
50 100

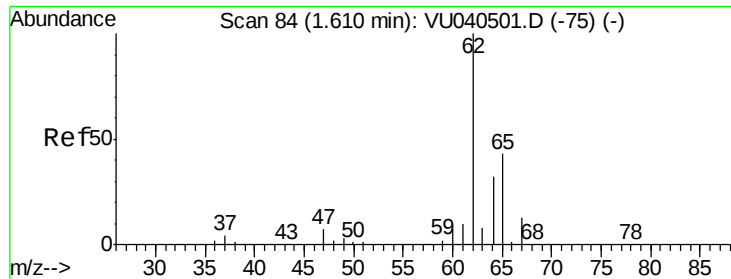
52 33.0 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040520.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU040520.D (-1) (-)





#5

Vinyl chloride

Concen: 4.335 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

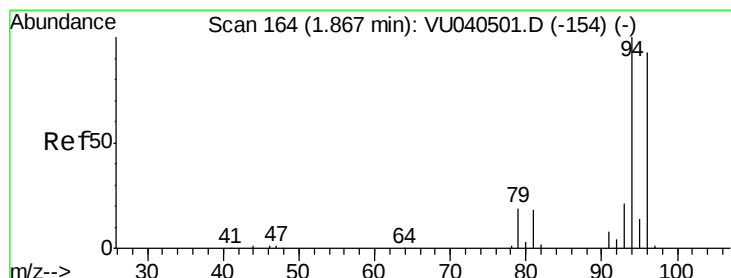
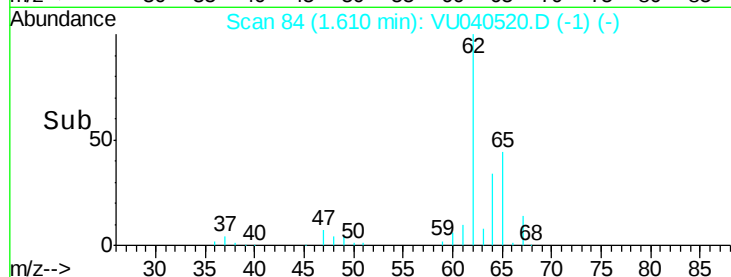
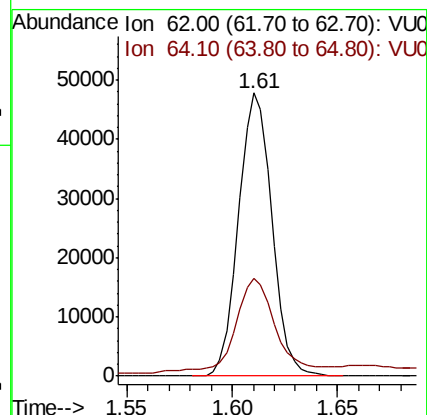
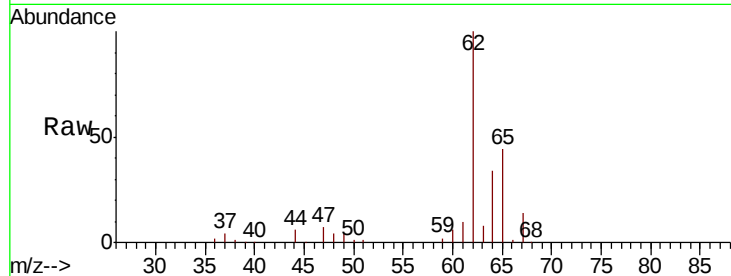
VSTD00513

Tot Ion: 62 Resp: 52501

Ion Ratio Lower Upper

62 100

64 34.4 23.0 42.8



#6

Bromomethane

Concen: 3.654 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040520.D

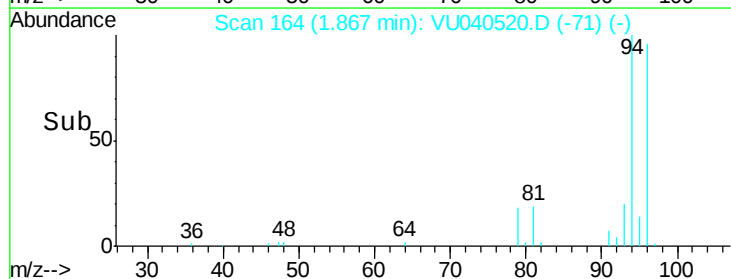
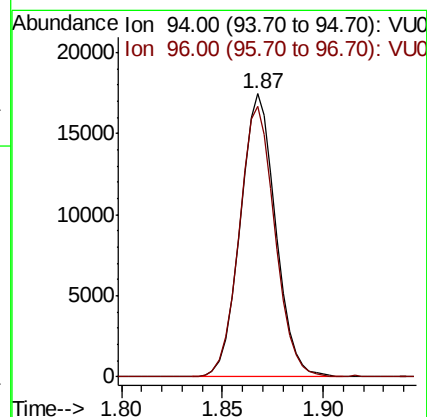
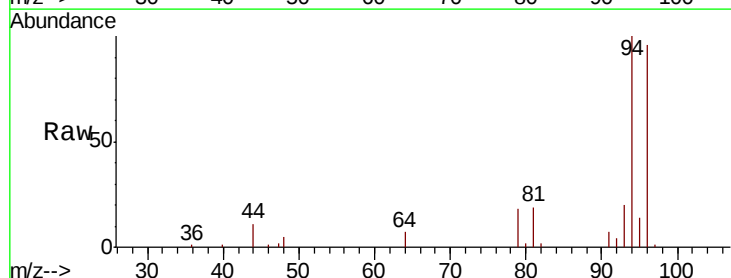
Acq: 05 Oct 2020 19:23

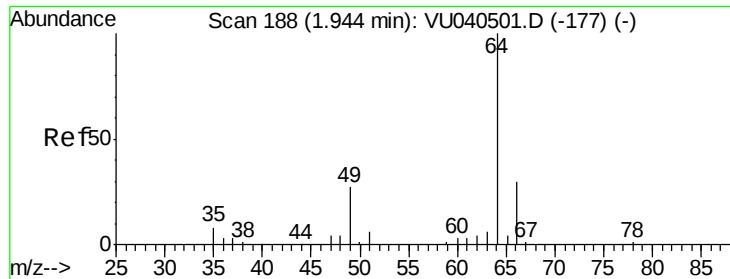
Tgt Ion: 94 Resp: 21516

Ion Ratio Lower Upper

94 100

96 95.7 66.3 123.1

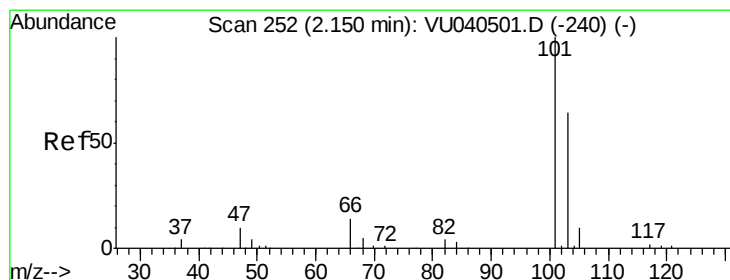
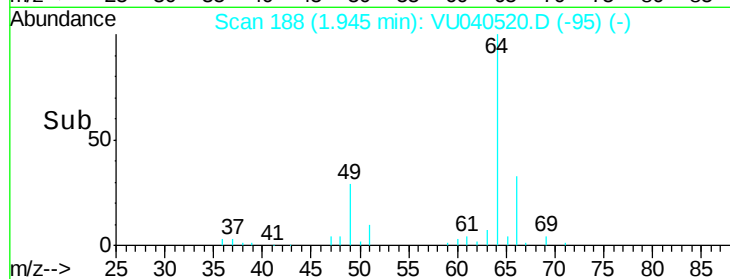
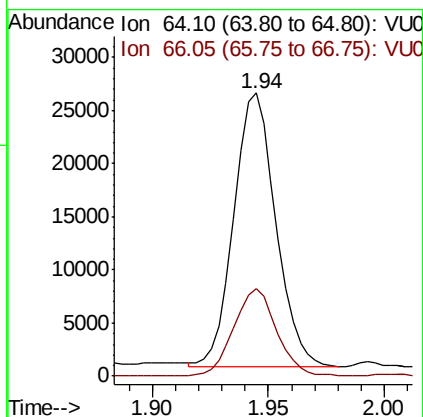
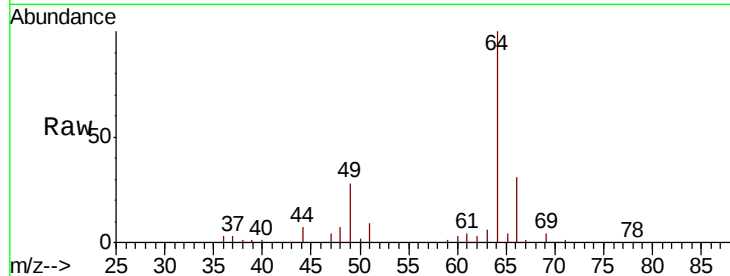




#8
 Chloroethane
 Concen: 4.482 ug/L
 RT: 1.94 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

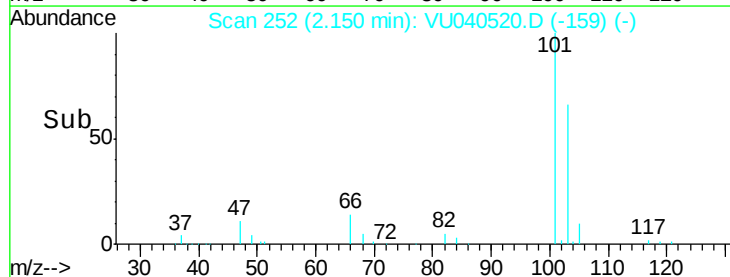
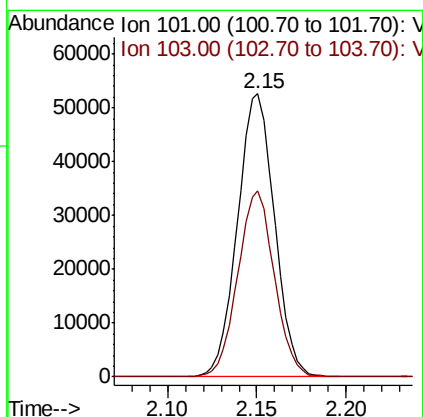
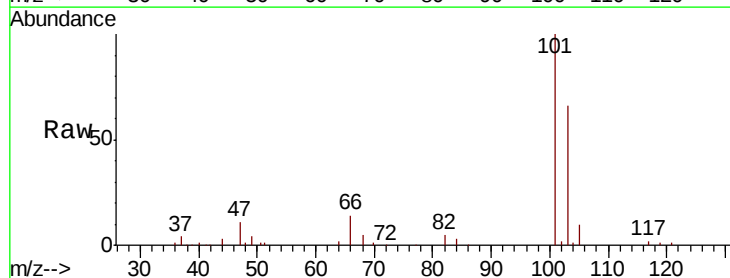
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

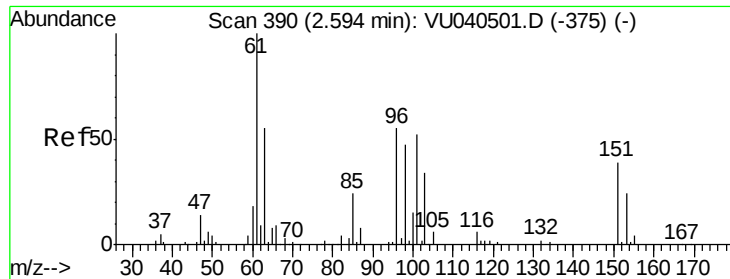
Tot Ion: 64 Resp: 32164
 Ion Ratio Lower Upper
 64 100
 66 31.0 21.3 39.6



#9
 Trichlorofluoromethane
 Concen: 4.547 ug/L
 RT: 2.15 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Tgt Ion: 101 Resp: 75962
 Ion Ratio Lower Upper
 101 100
 103 64.9 52.6 79.0





#10

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

Concen: 4.429 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

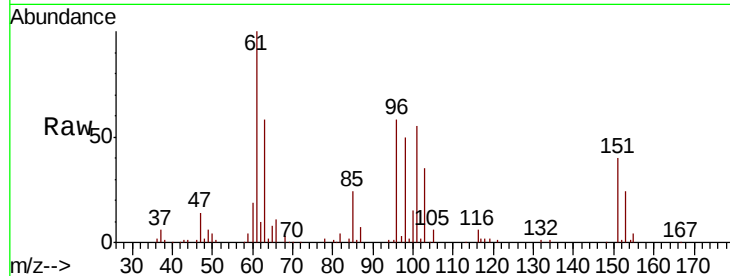
Tot Ion:101 Resp: 47245

Ion Ratio Lower Upper

101 100

85 45.8 35.0 52.6

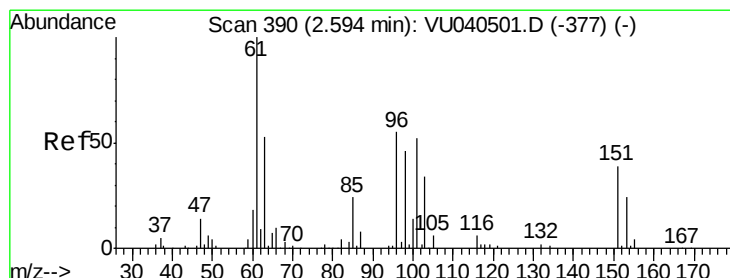
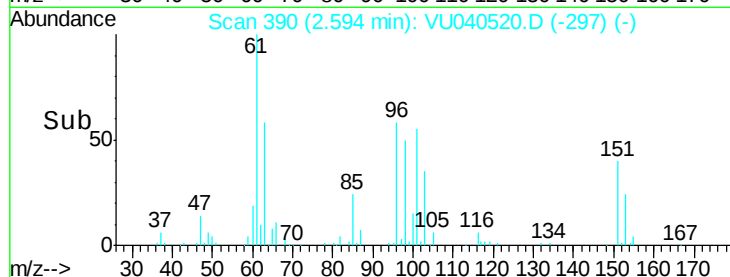
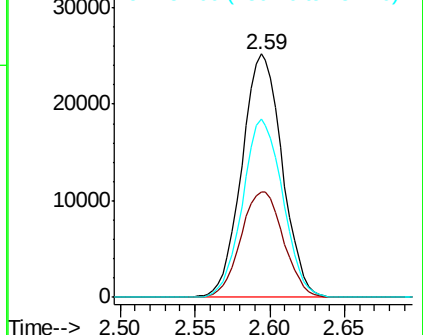
151 73.1 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.574 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

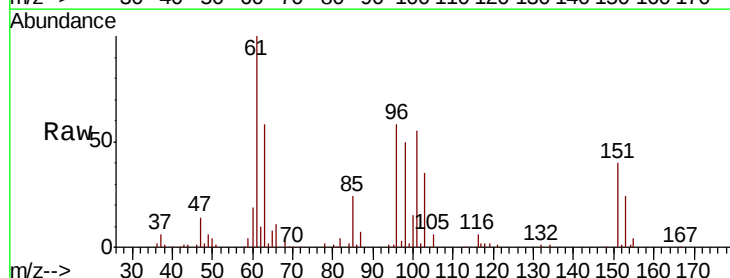
Tgt Ion: 96 Resp: 43639

Ion Ratio Lower Upper

96 100

61 172.1 128.6 238.8

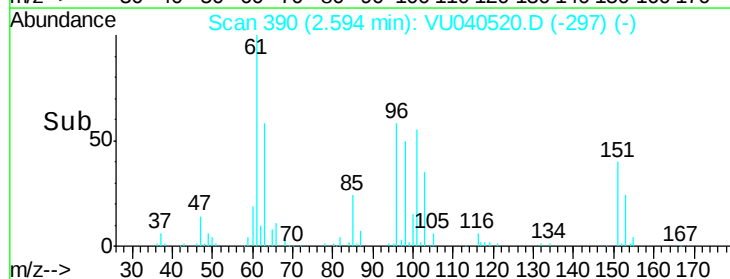
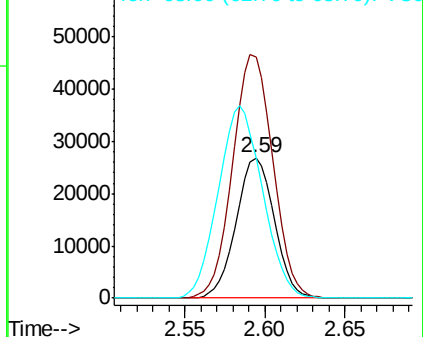
63 99.6 67.8 126.0

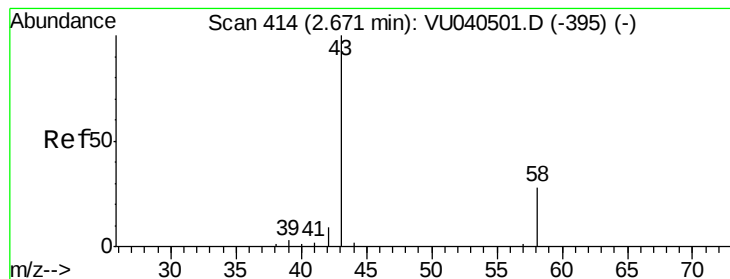


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 44.423 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

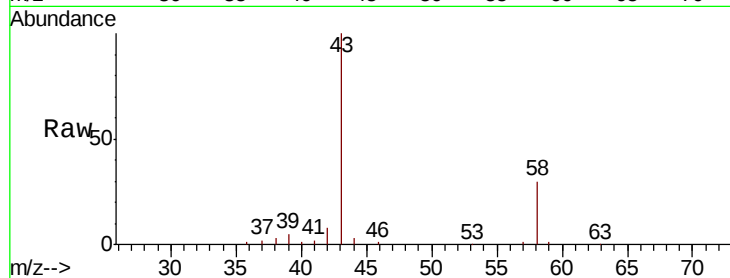
VSTD00513

Tot Ion: 43 Resp: 114045

Ion Ratio Lower Upper

43 100

58 26.7 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040520.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU040520.D (-321) (-)

2.66

40000

30000

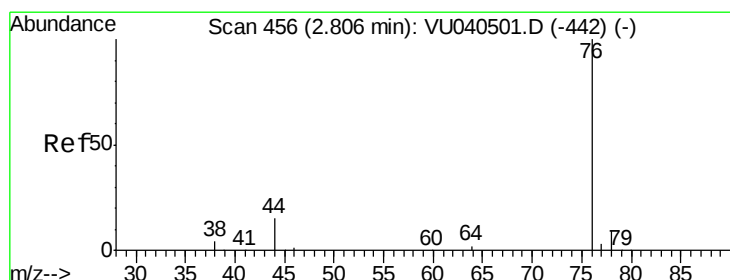
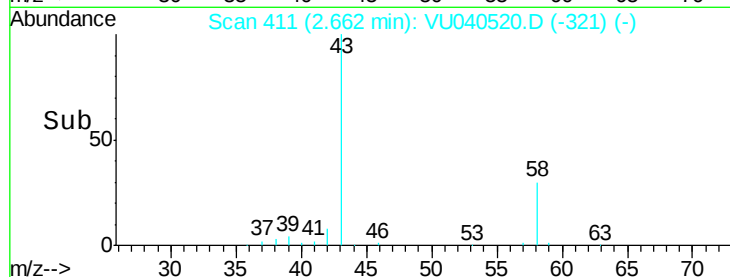
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.081 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040520.D

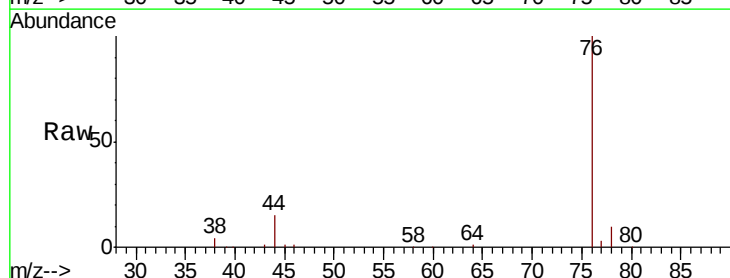
Acq: 05 Oct 2020 19:23

Tgt Ion: 76 Resp: 123053

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040520.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040520.D (-363) (-)

2.81

80000

60000

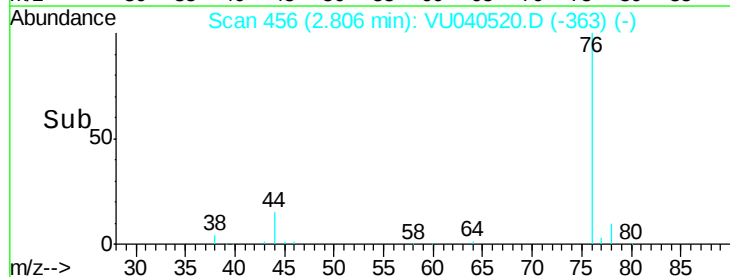
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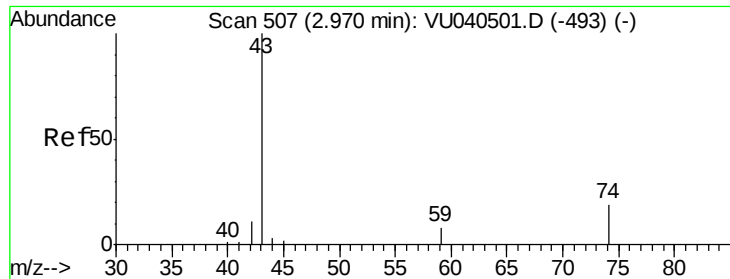
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Time-->

2.70 2.80 2.90

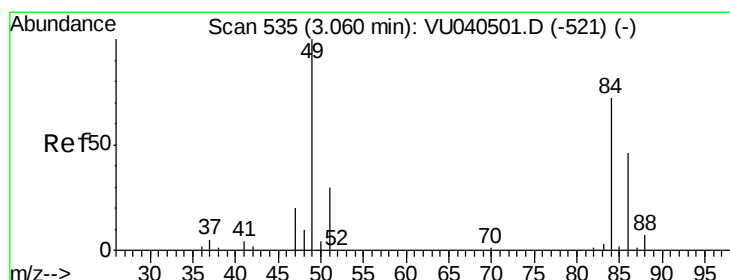
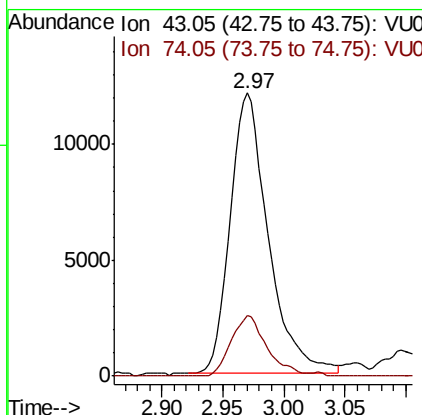
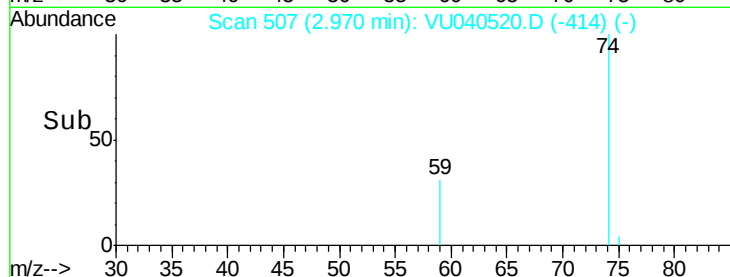
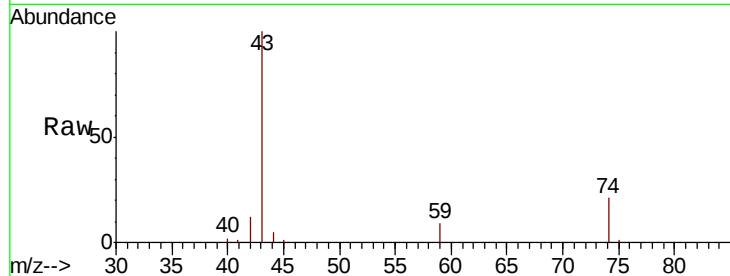




#15
Methvl Acetate
Concen: 4.270 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

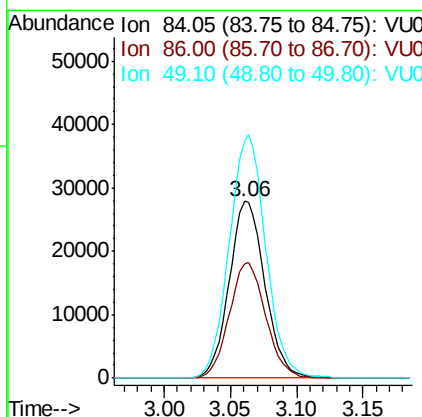
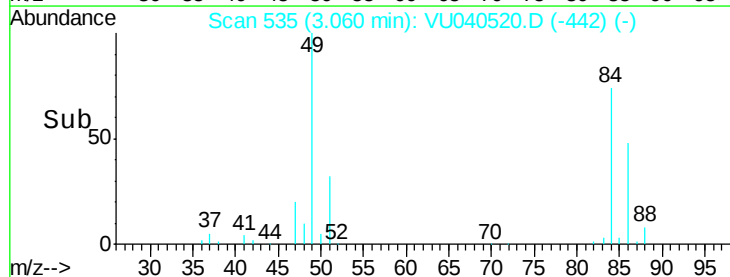
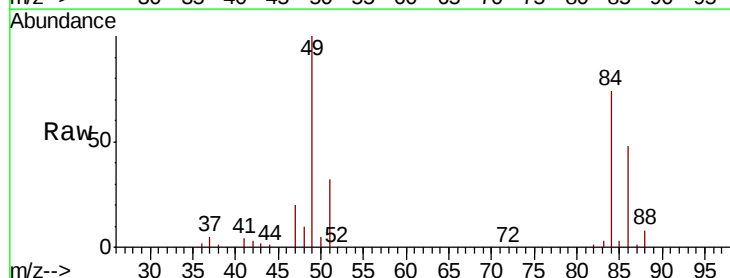
Instrument :
MSVOA_U
ClientSampled :
VSTD00513

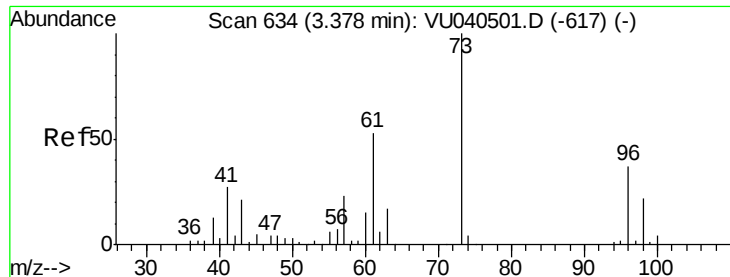
Tot Ion: 43 Resp: 26402
Ion Ratio Lower Upper
43 100
74 20.2 16.3 24.5



#16
Methylene chloride
Concen: 4.360 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion: 84 Resp: 52249
Ion Ratio Lower Upper
84 100
86 64.9 44.4 82.5
49 134.6 92.2 171.2

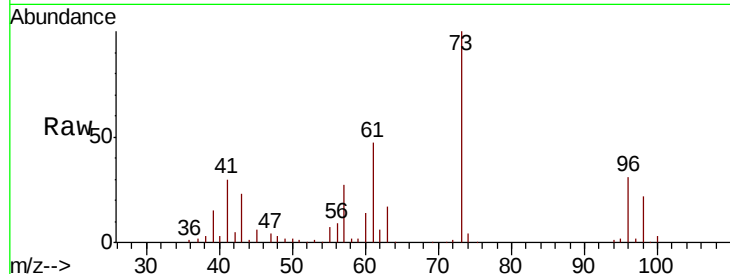




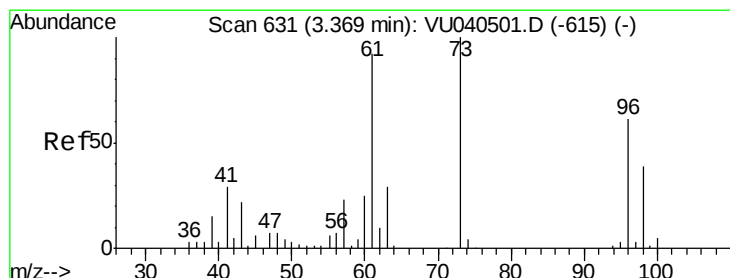
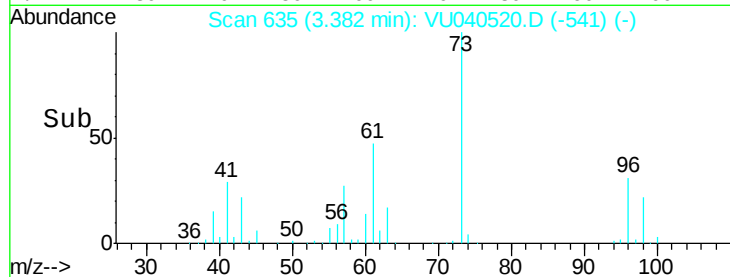
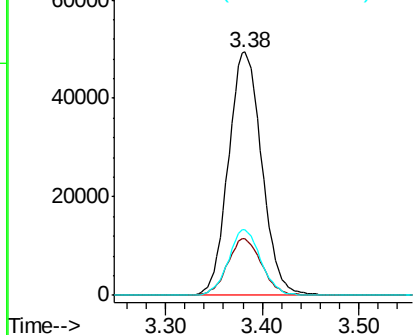
#17
Methvl tert-butvl Ether
Concen: 4.514 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion: 73 Resp: 118653
Ion Ratio Lower Upper
73 100
43 23.8 19.0 28.4
57 26.1 18.9 28.3

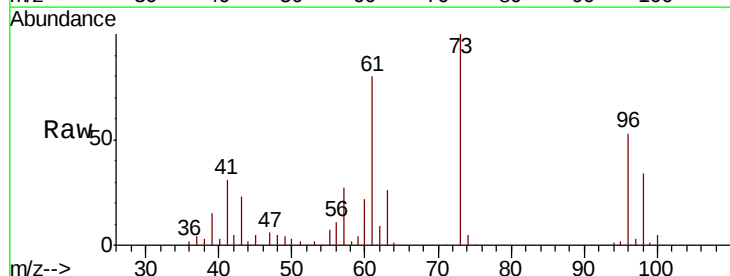


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

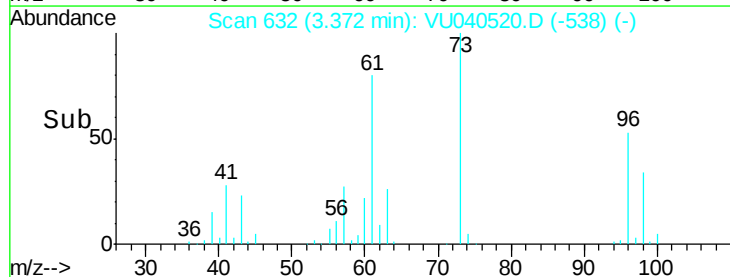
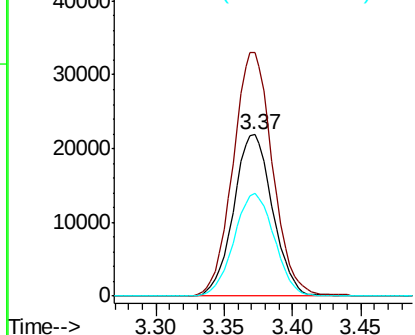


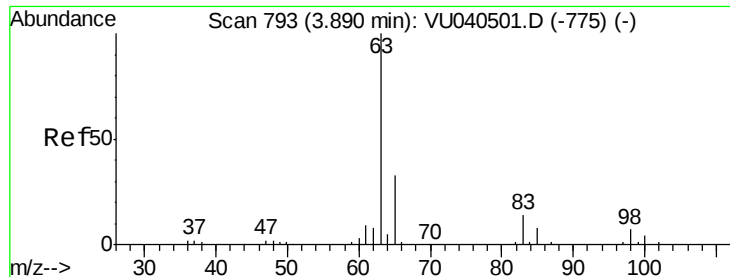
#18
trans-1,2-Dichloroethene
Concen: 4.422 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion: 96 Resp: 43622
Ion Ratio Lower Upper
96 100
61 150.8 109.3 203.1
98 63.6 45.8 85.0



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





#19

1,1-Dichloroethane

Concen: 4.764 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

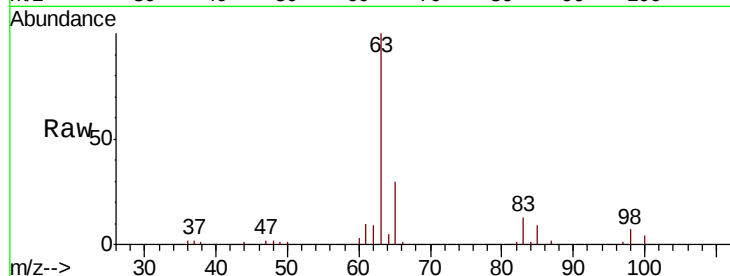
Tot Ion: 63 Resp: 96452

Ion Ratio Lower Upper

63 100

65 30.2 21.7 40.3

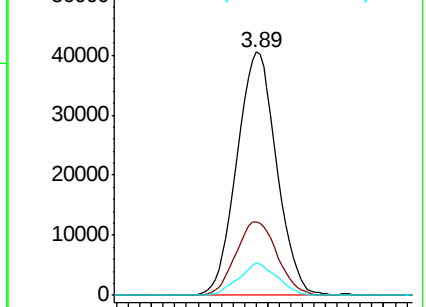
83 13.3 9.1 16.9



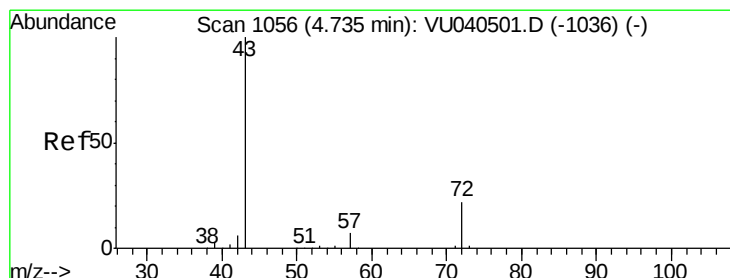
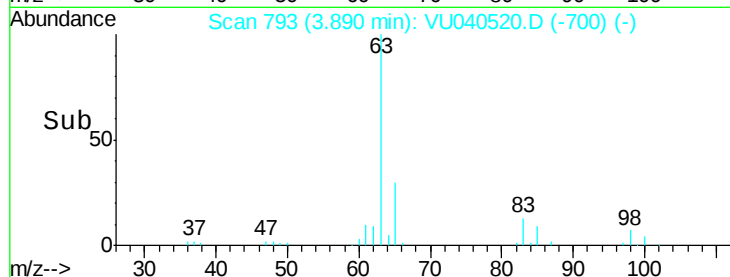
Abundance Ion 63.10 (62.80 to 63.80): VU040520.D (-700) (-)

Ion 65.10 (64.80 to 65.80): VU040520.D (-700) (-)

Ion 83.05 (82.75 to 83.75): VU040520.D (-700) (-)



Time-->



#21

2-Butanone

Concen: 45.113 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU040520.D

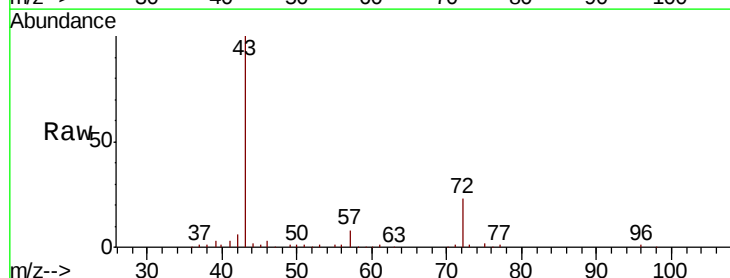
Acq: 05 Oct 2020 19:23

Tgt Ion: 43 Resp: 185895

Ion Ratio Lower Upper

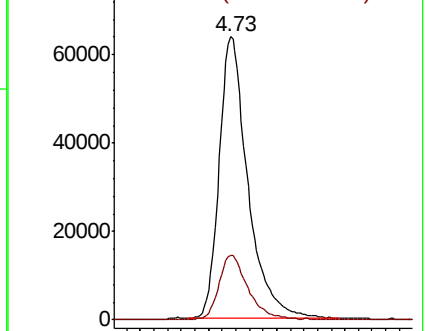
43 100

72 23.5 12.0 36.1

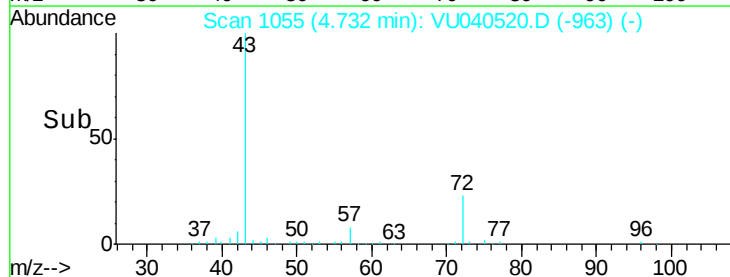


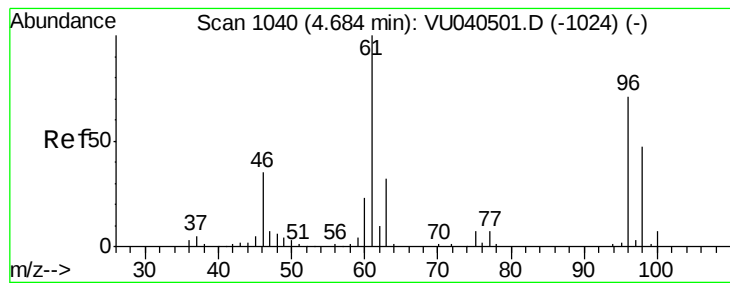
Abundance Ion 43.05 (42.75 to 43.75): VU040520.D (-963) (-)

Ion 72.10 (71.80 to 72.80): VU040520.D (-963) (-)



Time-->





#22

cis-1,2-Dichloroethene

Concen: 4.571 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

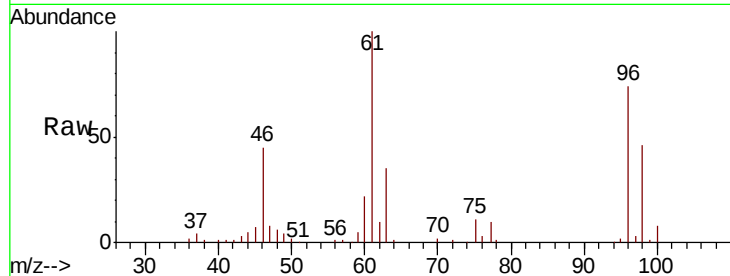
Tot Ion: 96 Resp: 49885

Ion Ratio Lower Upper

96 100

61 135.5 99.3 184.5

68 0.0 0.0 0.0

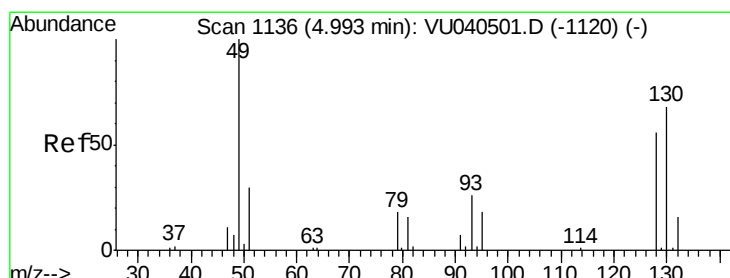
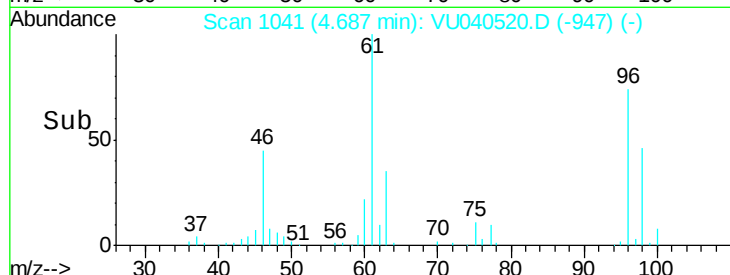
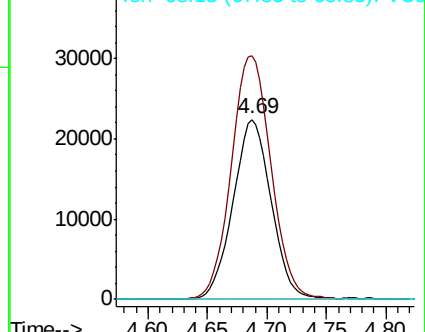


Abundance

Ion 96.00 (95.70 to 96.70): VU040520.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU040520.D (-1043) (-)

Ion 68.15 (67.85 to 68.85): VU040520.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.725 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Tgt Ion: 128 Resp: 23611

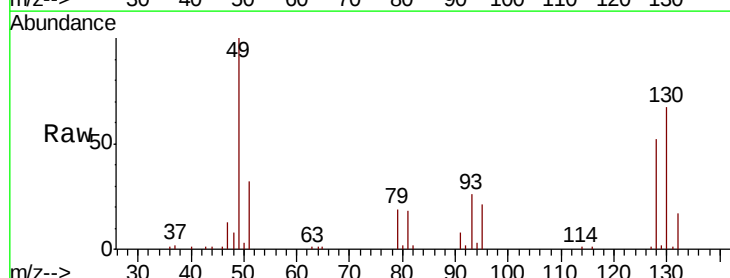
Ion Ratio Lower Upper

128 100

49 191.1 134.6 250.0

130 127.8 91.1 169.1

51 60.2 50.6 75.8



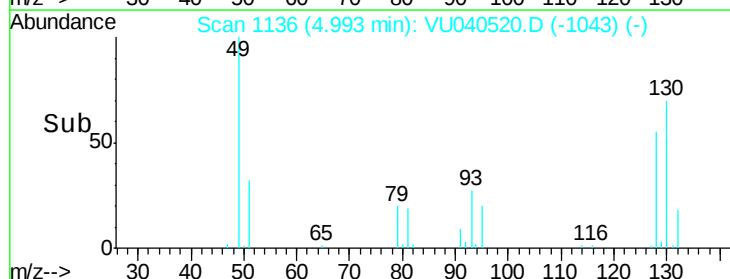
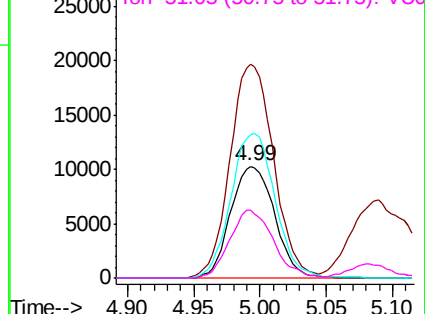
Abundance

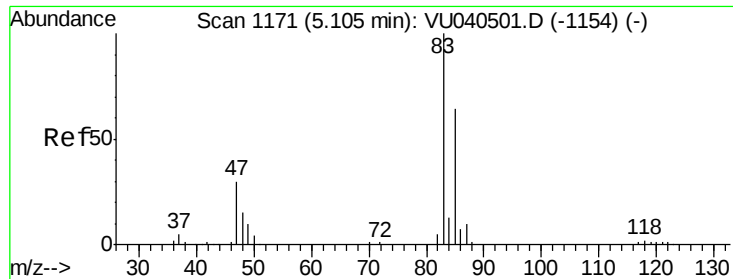
Ion 127.90 (127.60 to 128.60): VU040520.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU040520.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU040520.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU040520.D (-1043) (-)

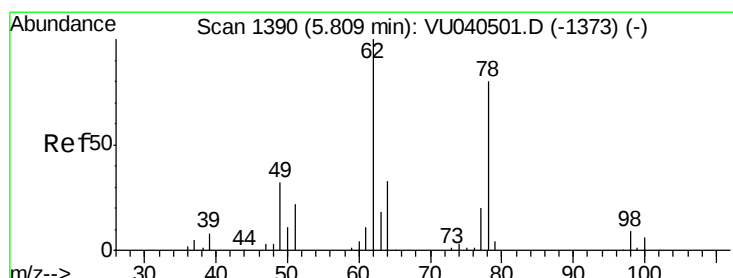
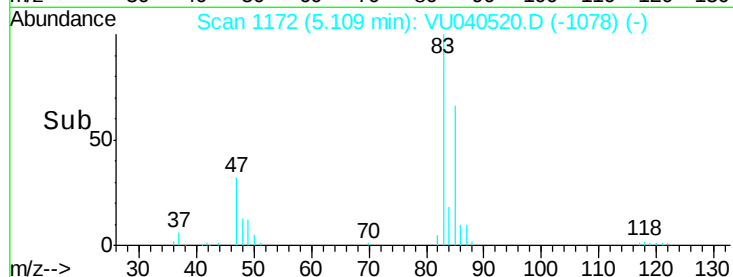
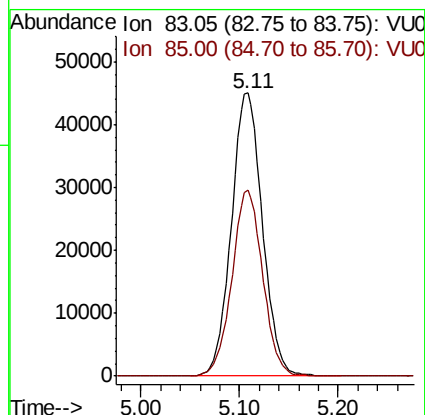
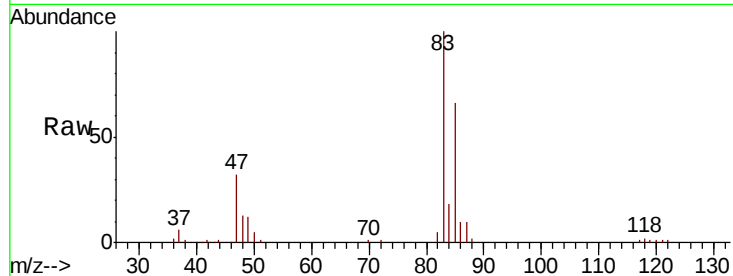




#25
Chloroform
Concen: 4.780 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

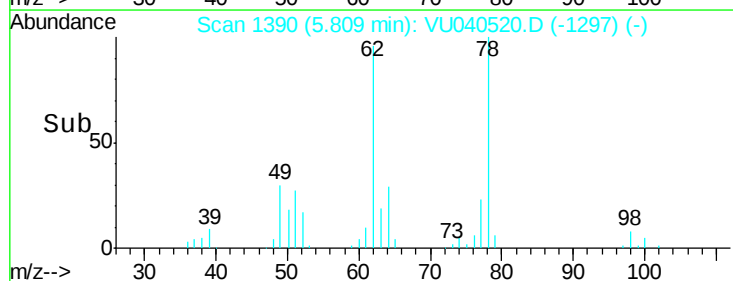
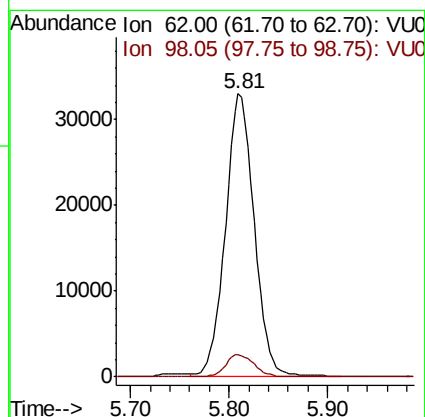
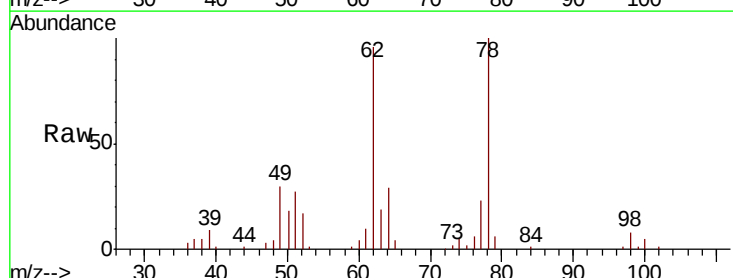
Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

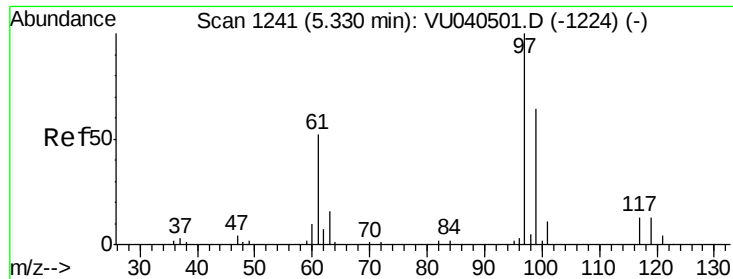
Tot Ion: 83 Resp: 98724
Ion Ratio Lower Upper
83 100
85 65.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.717 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion: 62 Resp: 67463
Ion Ratio Lower Upper
62 100
98 7.9 7.5 11.3

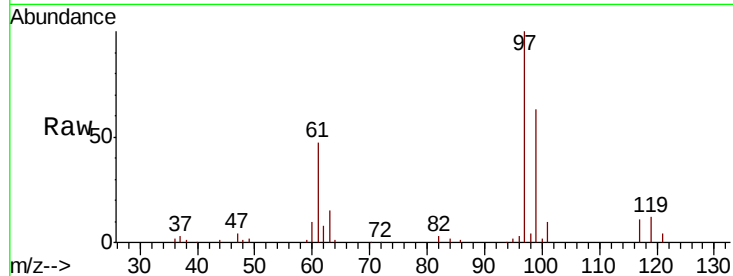




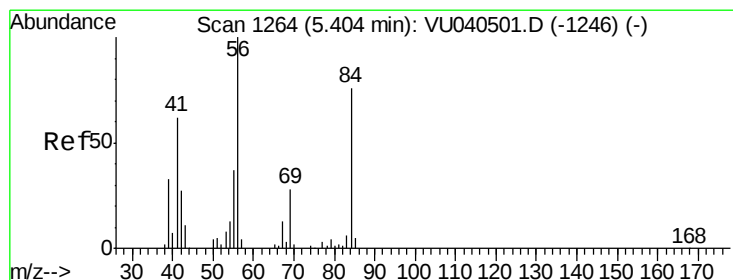
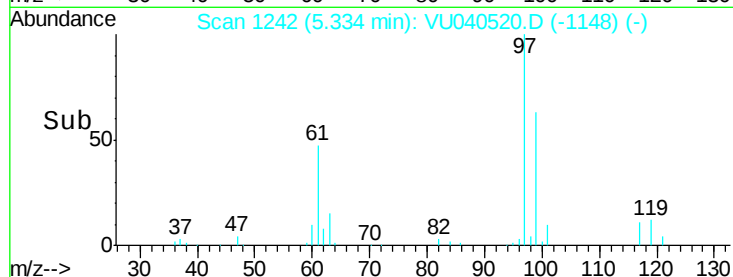
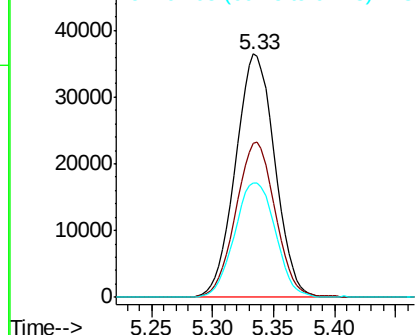
#29
 1,1,1-Trichloroethane
 Concen: 4.844 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion: 97 Resp: 81452
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 48.7 39.7 59.5

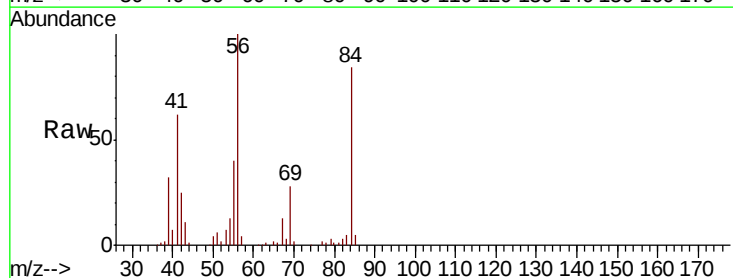


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

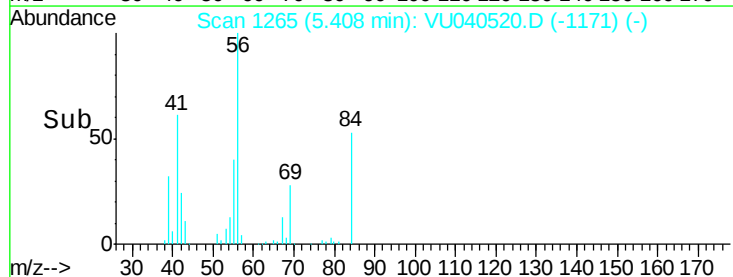
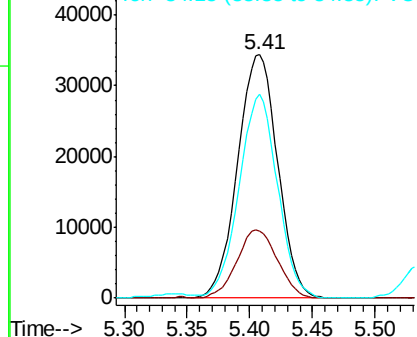


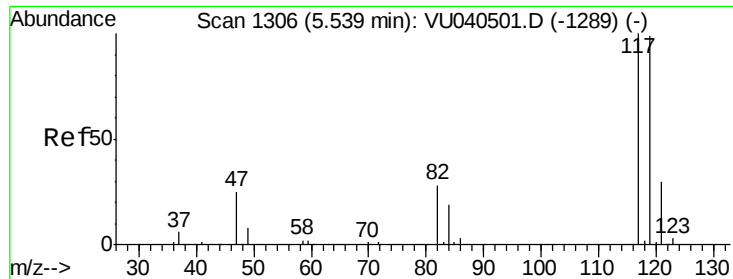
#30
 Cyclohexane
 Concen: 4.385 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Tgt Ion: 56 Resp: 76292
 Ion Ratio Lower Upper
 56 100
 69 28.4 23.3 34.9
 84 80.6 64.2 96.4



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: 4.878 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

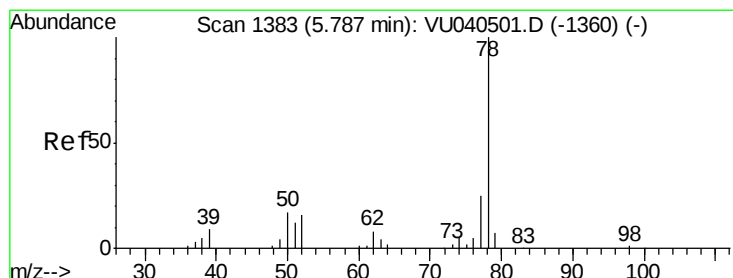
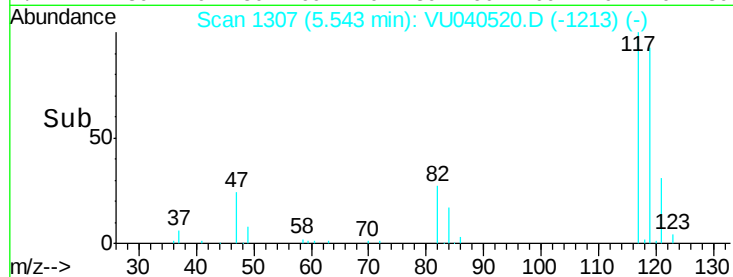
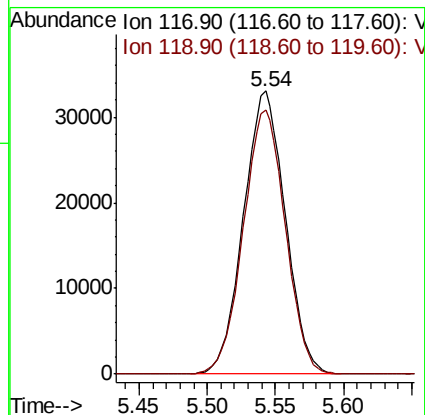
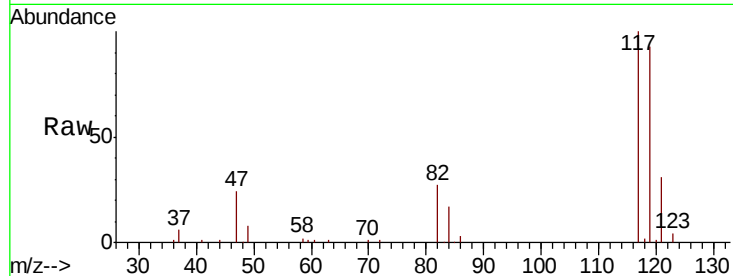
VSTD00513

Tot Ion:117 Resp: 70340

Ion Ratio Lower Upper

117 100

119 93.7 77.5 116.3



#33

Benzene

Concen: 4.743 ug/L

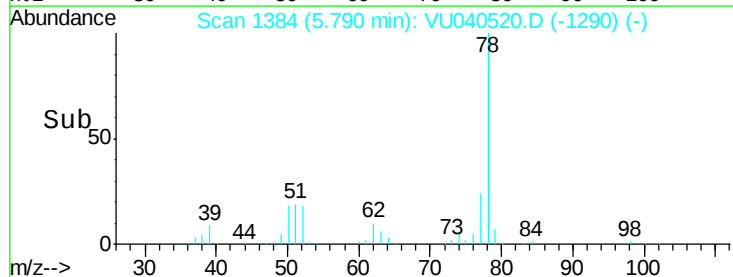
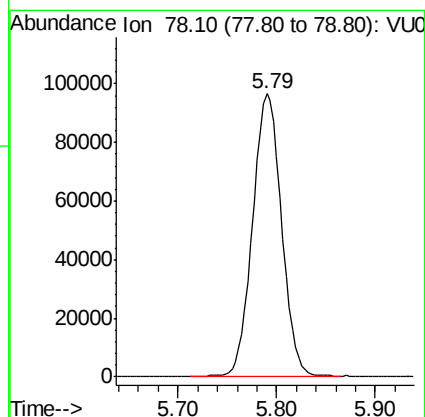
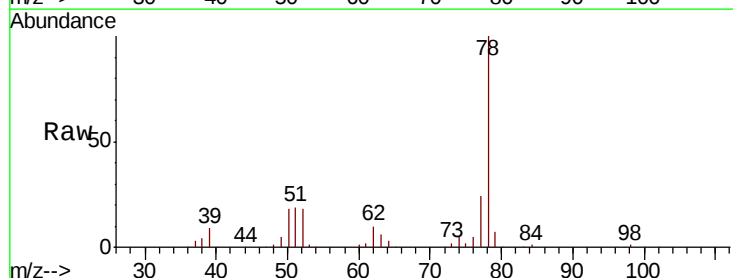
RT: 5.79 min Scan# 1384

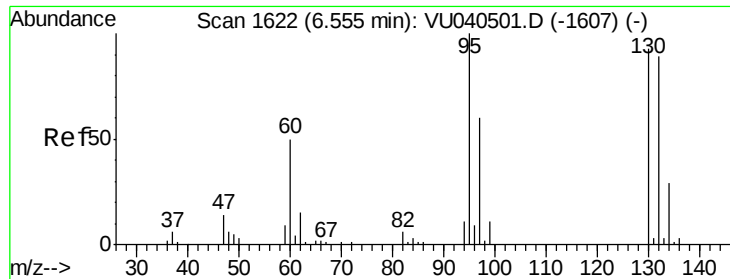
Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Tgt Ion: 78 Resp: 195752





#34

Trichloroethene

Concen: 4.607 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

Tot Ion: 95 Resp: 50482

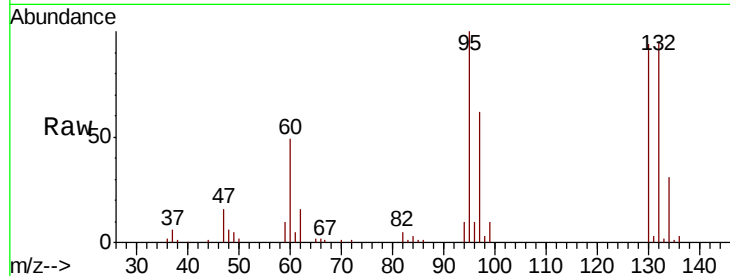
Ion Ratio Lower Upper

95 100

97 61.5 46.3 85.9

132 94.8 60.5 112.3

130 93.9 64.3 119.3

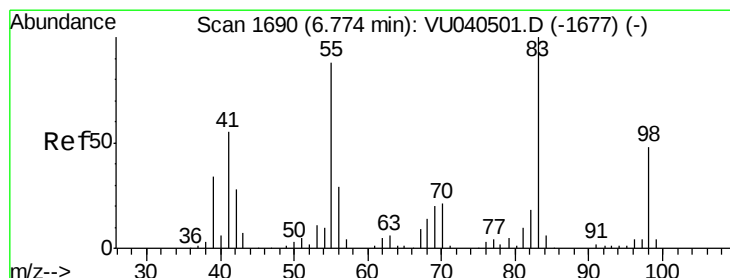
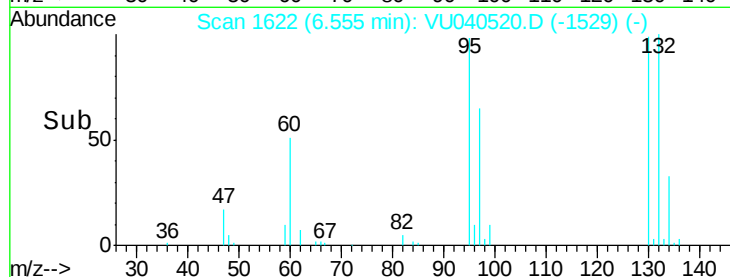
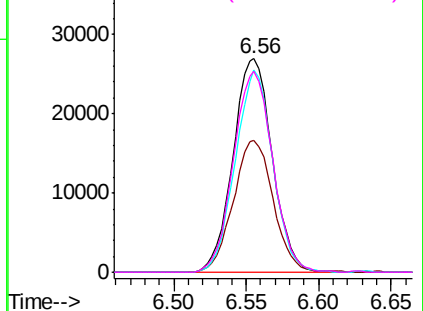


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.300 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

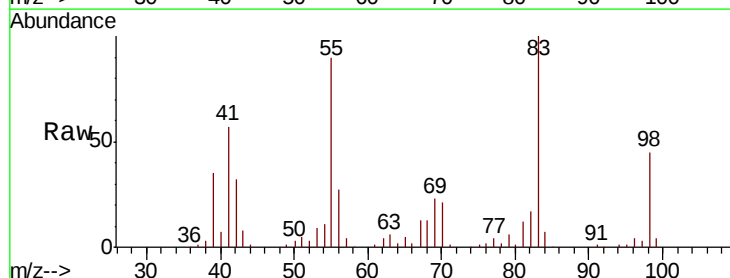
Tgt Ion: 83 Resp: 69106

Ion Ratio Lower Upper

83 100

55 89.5 71.4 107.2

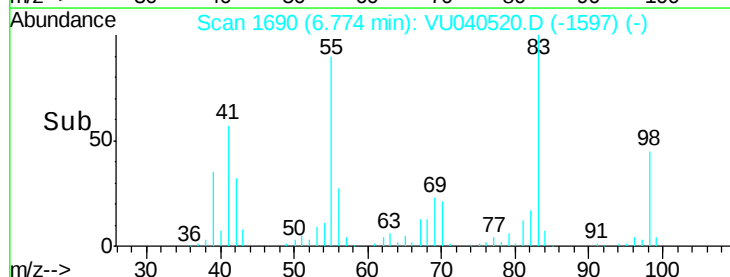
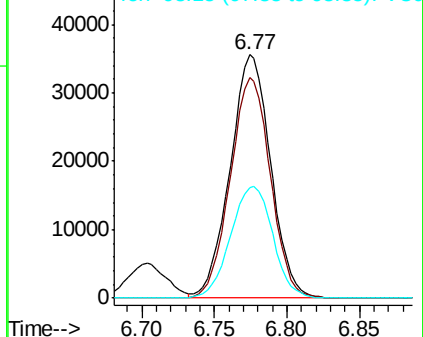
98 47.6 38.5 57.7

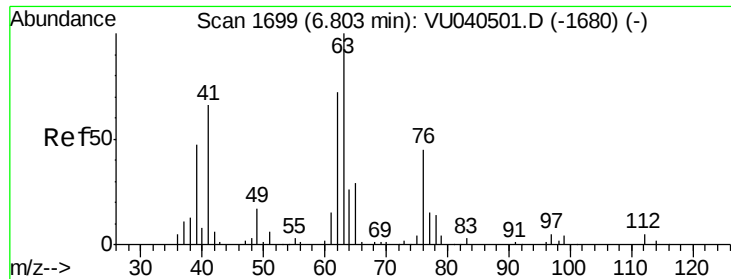


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

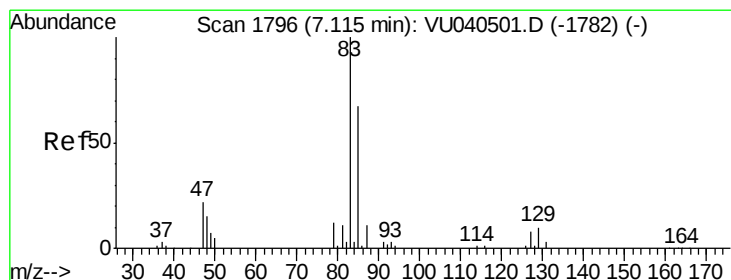
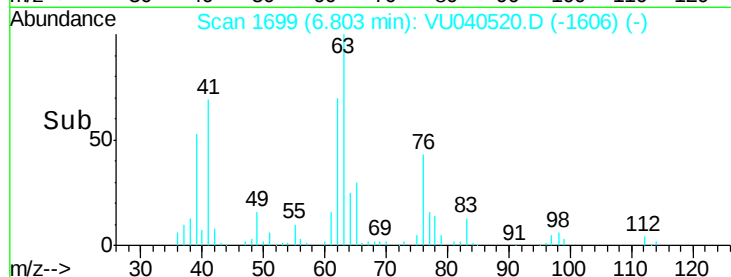
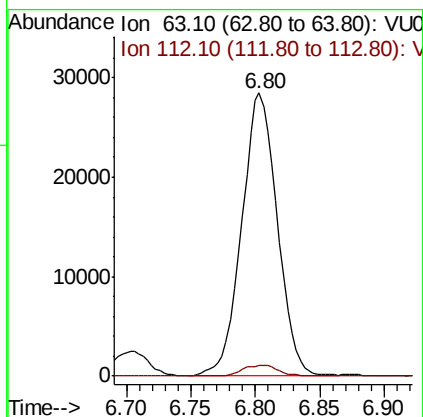
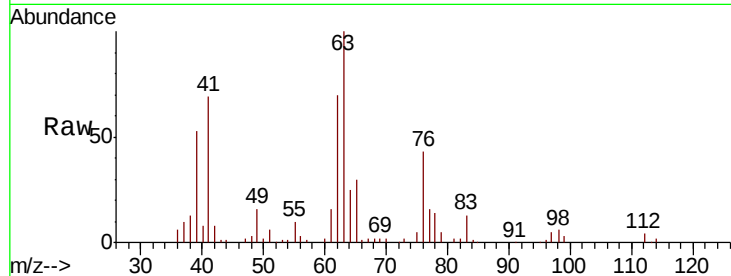




#37
 1,2-Dichloropropane
 Concen: 4.780 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

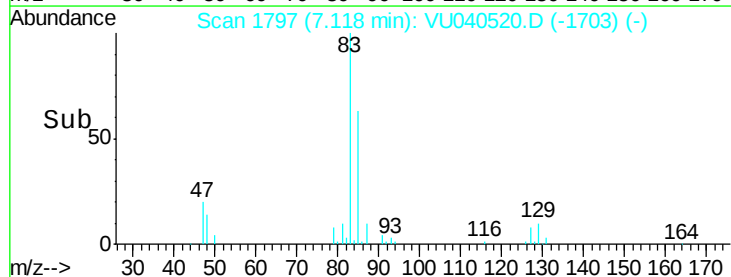
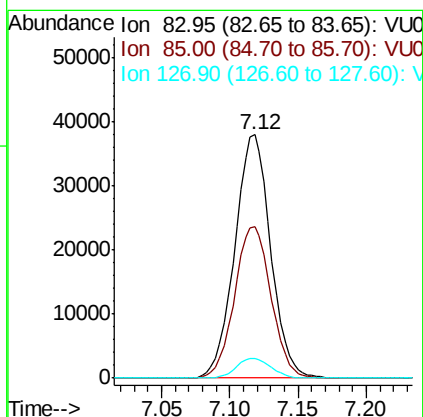
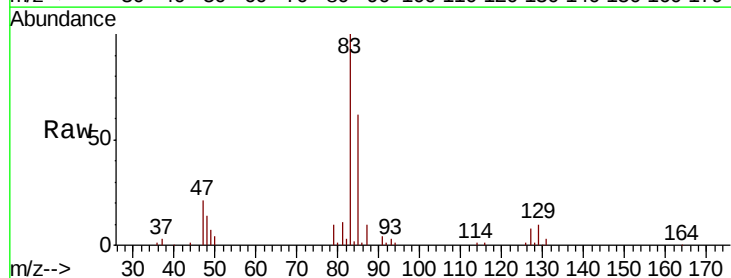
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

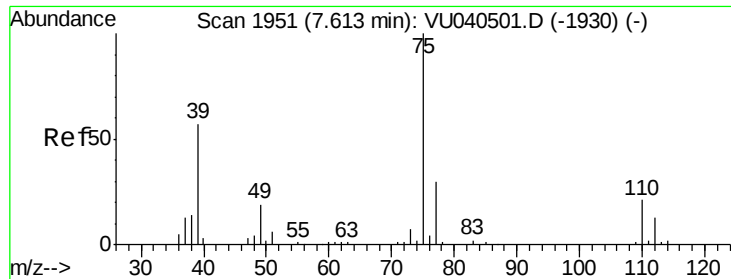
Tot Ion: 63 Resp: 54945
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.875 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Tgt Ion: 83 Resp: 69186
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.1 83.9
 127 8.2 6.6 9.8

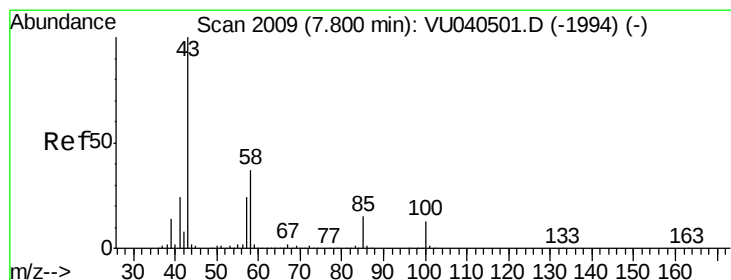
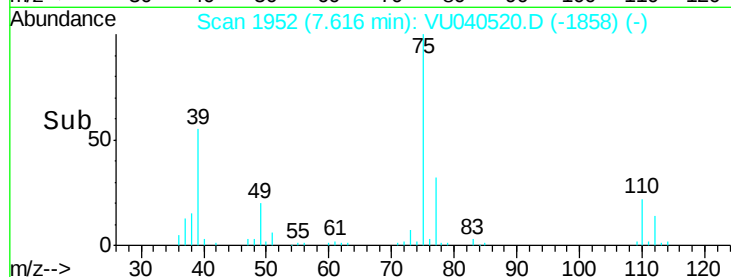
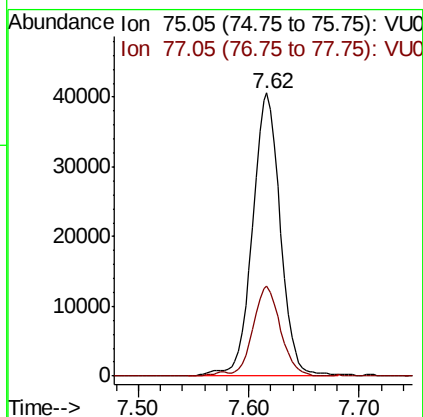
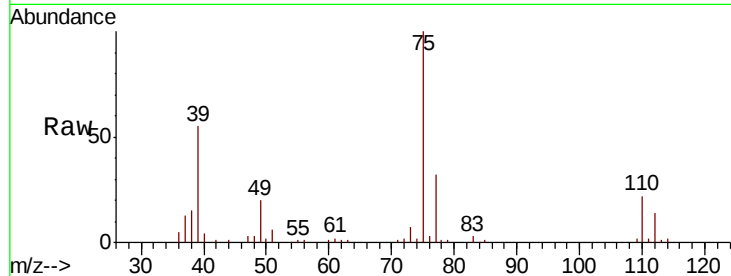




#39
 cis-1,3-Dichloropropene
 Concen: 4.612 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

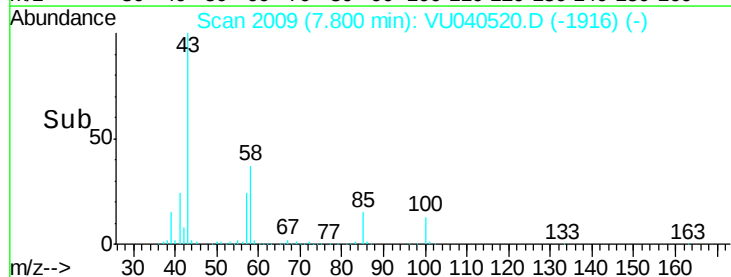
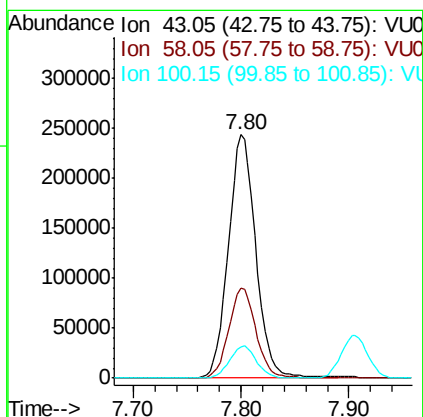
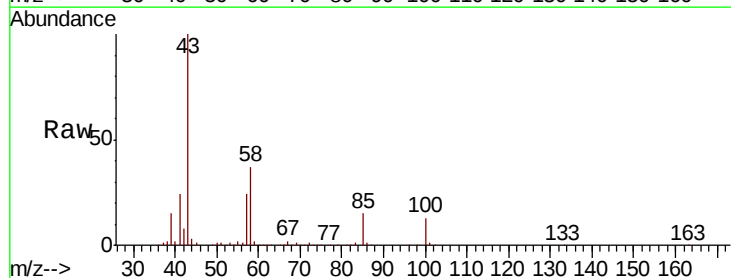
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

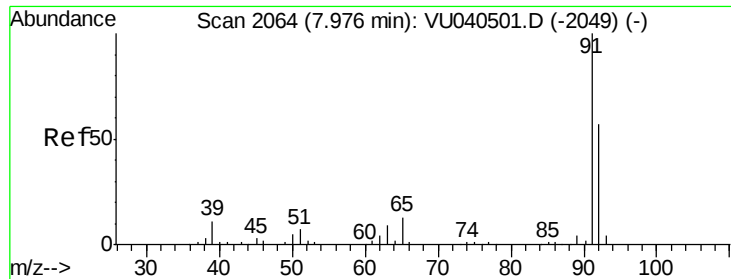
Tot Ion: 75 Resp: 71103
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 48.051 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Tgt Ion: 43 Resp: 432511
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.2 43.8
 100 13.1 10.3 15.5





#42

Toluene

Concen: 4.814 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

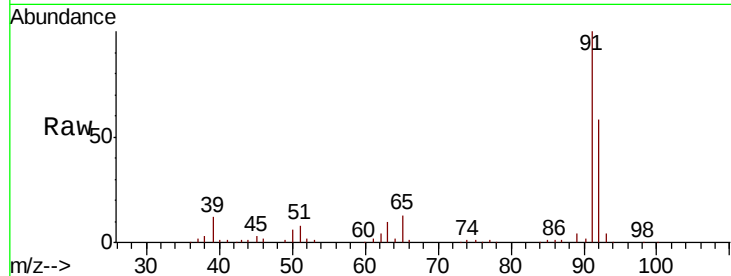
VSTD00513

Tot Ion: 91 Resp: 203760

Ion Ratio Lower Upper

91 100

92 57.6 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

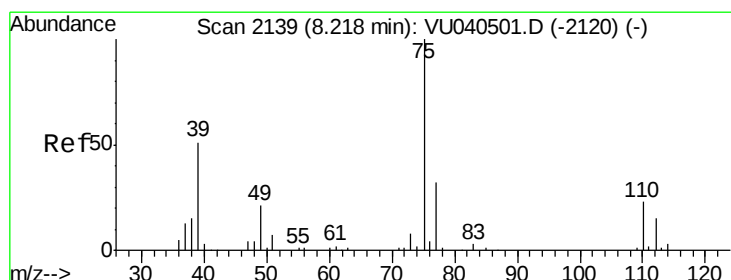
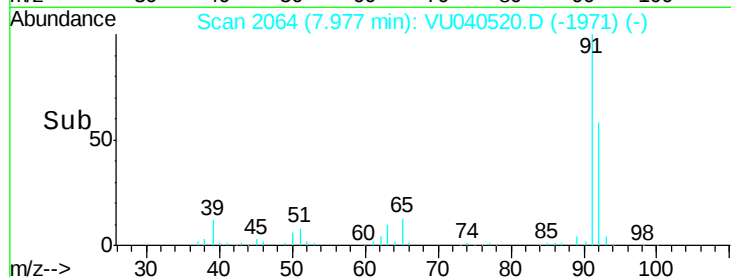
7.98

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040520.D

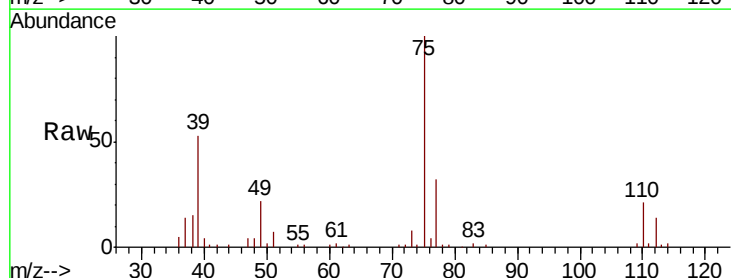
Acq: 05 Oct 2020 19:23

Tgt Ion: 75 Resp: 66033

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

40000

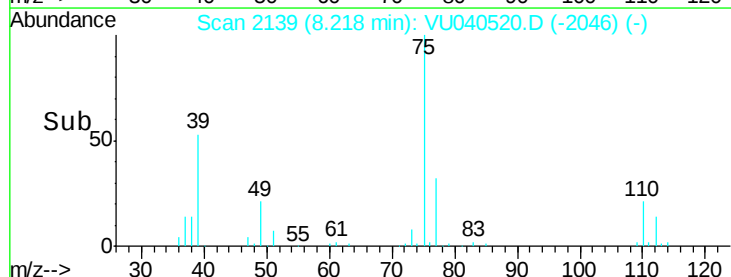
30000

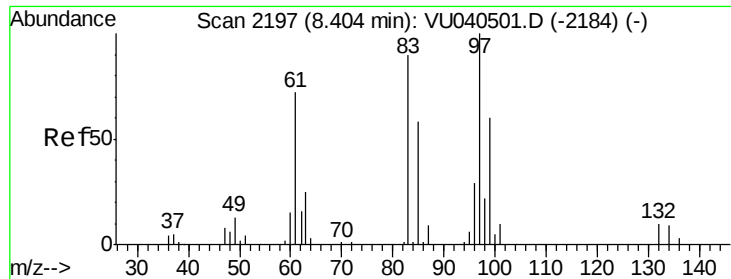
20000

10000

0

Time-->

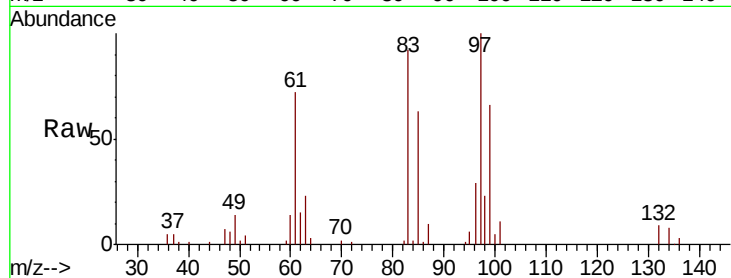




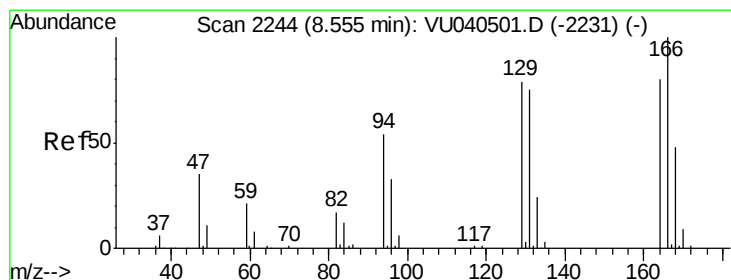
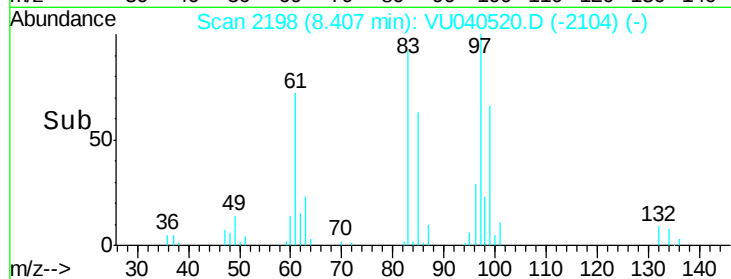
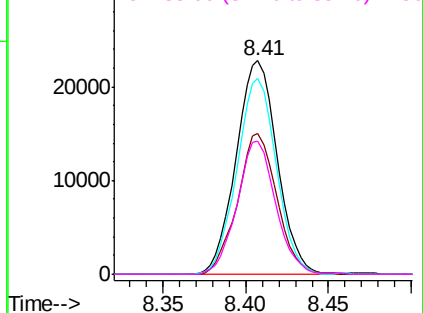
#45
1,1,2-Trichloroethane
Concen: 4.886 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:	97	Resp:	39364
Ion	Ratio	Lower	Upper
97	100		
99	66.1	45.8	85.0
83	91.7	62.9	116.9
85	62.6	41.7	77.5

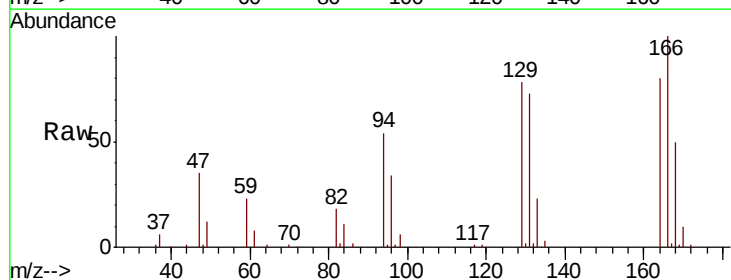


Abundance Ion 96.95 (96.65 to 97.65): VU040520.D (-2197) (-)
Ion 99.05 (98.75 to 99.75): VU040520.D (-2197) (-)
Ion 82.95 (82.65 to 83.65): VU040520.D (-2197) (-)
Ion 85.00 (84.70 to 85.70): VU040520.D (-2197) (-)

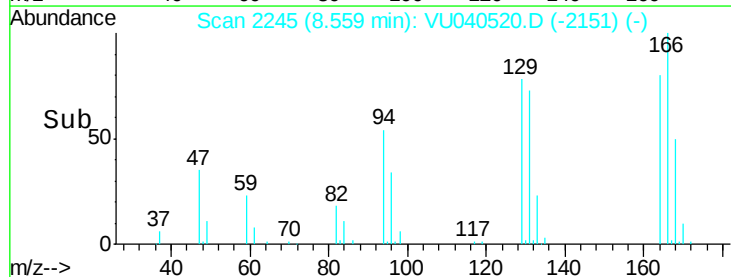
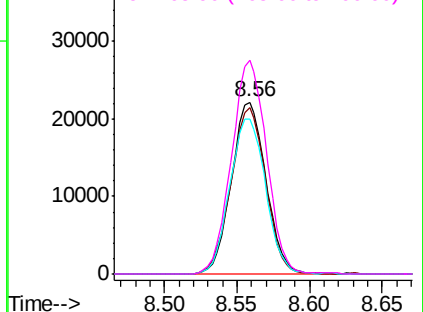


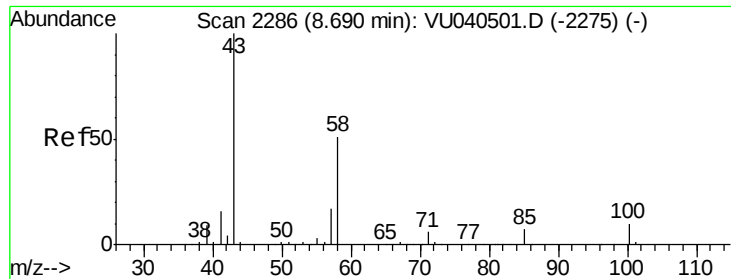
#47
Tetrachloroethene
Concen: 4.708 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion:	164	Resp:	36624
Ion	Ratio	Lower	Upper
164	100		
129	96.6	70.3	130.7
131	90.3	69.2	128.6
166	124.4	91.1	169.3



Abundance Ion 163.90 (163.60 to 164.60): VU040520.D (-2244) (-)
Ion 128.95 (128.65 to 129.65): VU040520.D (-2244) (-)
Ion 130.95 (130.65 to 131.65): VU040520.D (-2244) (-)
Ion 165.90 (165.60 to 166.60): VU040520.D (-2244) (-)

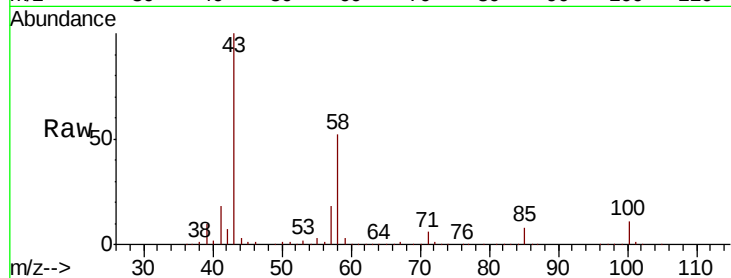




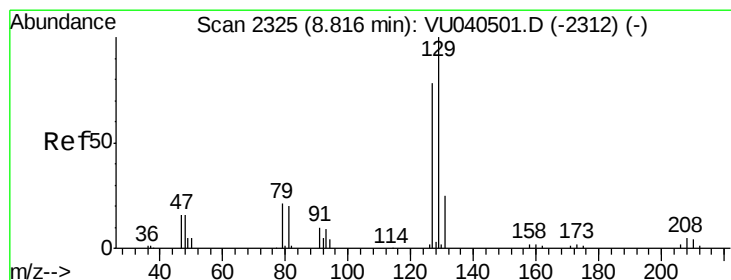
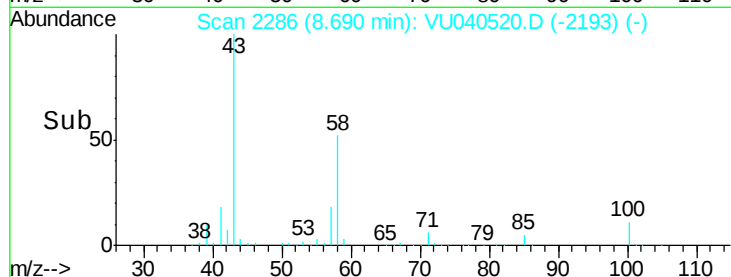
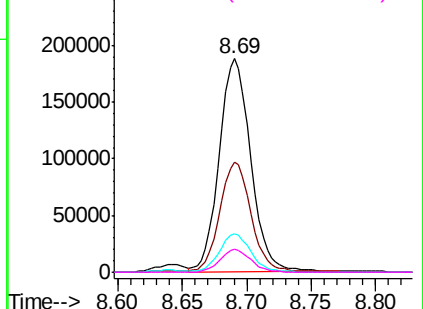
#48
2-Hexanone
Concen: 47.903 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:	43	Resp:	317722
Ion	Ratio	Lower	Upper
43	100		
58	50.8	41.0	61.4
57	18.2	14.6	22.0
100	10.6	8.2	12.4

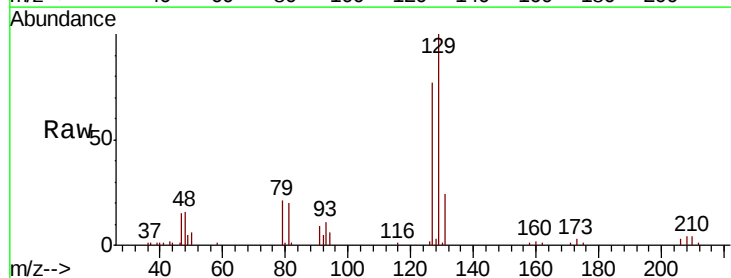


Abundance Ion 43.05 (42.75 to 43.75): VU040520.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040520.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040520.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040520.D (-2193) (-)

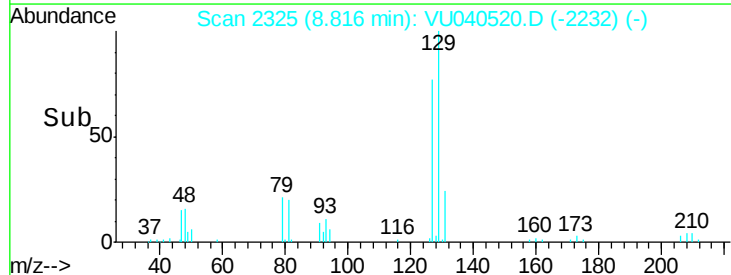
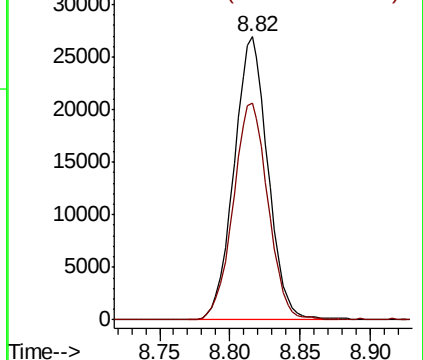


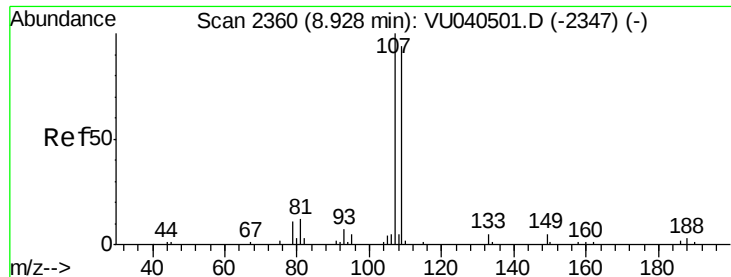
#49
Dibromochloromethane
Concen: 4.834 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion:	129	Resp:	45304
Ion	Ratio	Lower	Upper
129	100		
127	76.6	55.4	103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040520.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040520.D (-2232) (-)

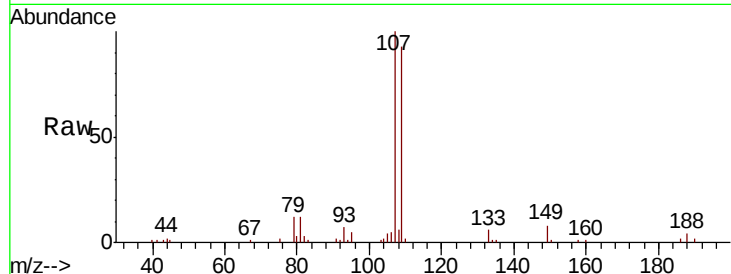




#50
1,2-Dibromoethane
Concen: 4.809 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	69.4	128.8
188	4.1	3.3	4.9

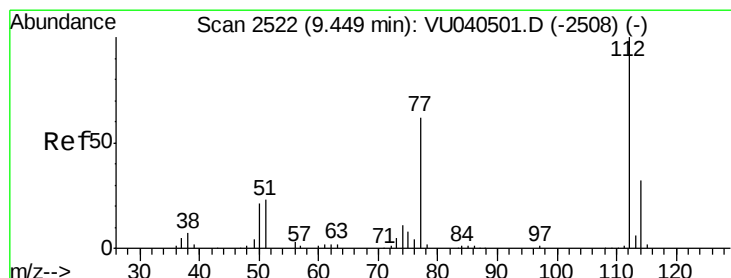
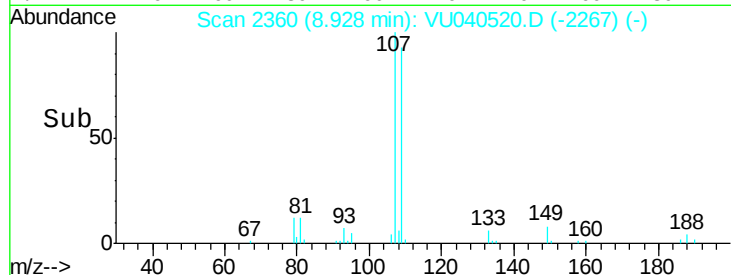
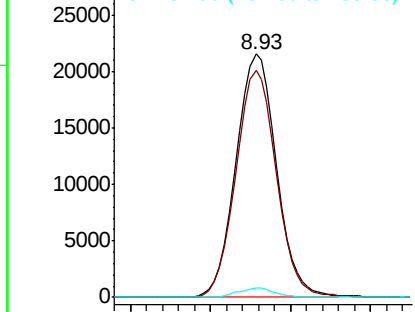


Abundance

Ion 106.95 (106.65 to 107.65): V

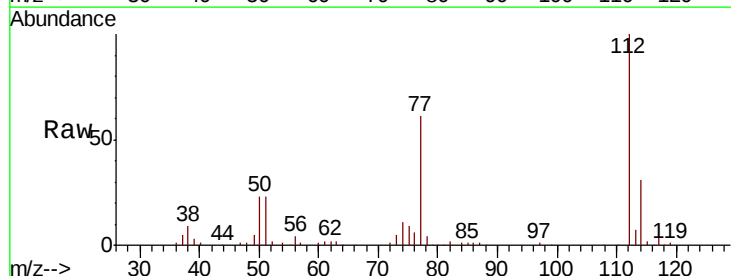
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 4.786 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.0	40.8
77	61.1	49.5	74.3

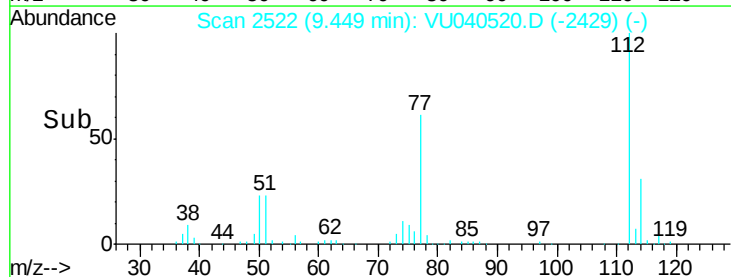
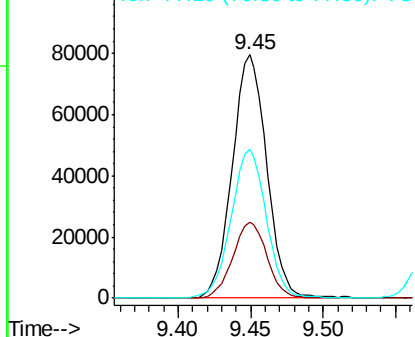


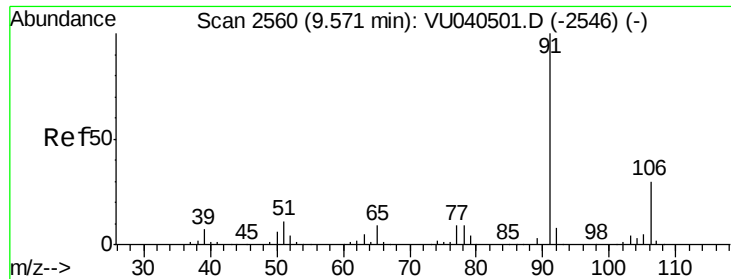
Abundance

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): V





#52

Ethylbenzene

Concen: 4.673 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

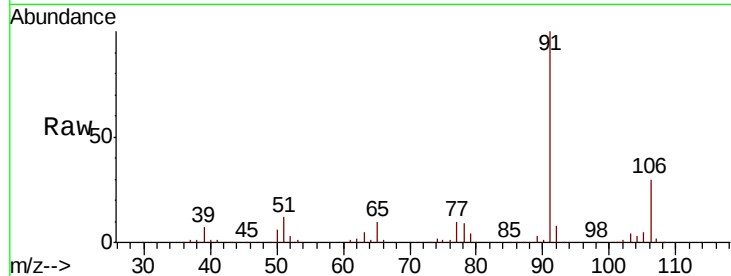
VSTD00513

Tot Ion: 91 Resp: 214600

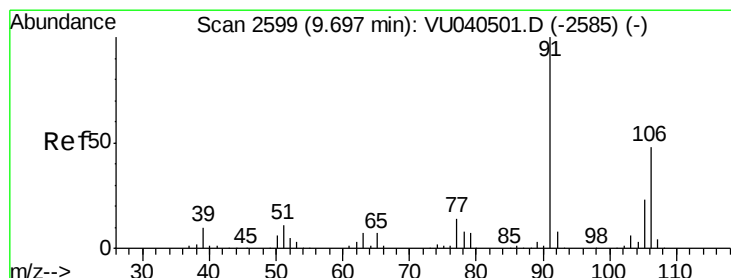
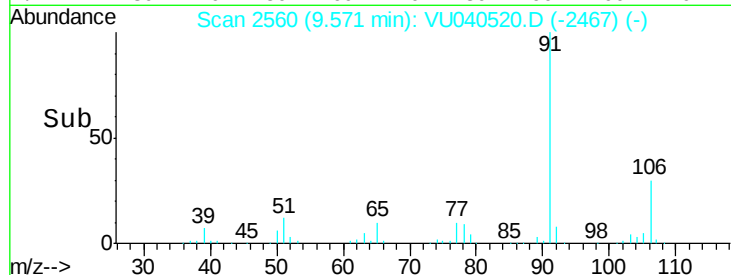
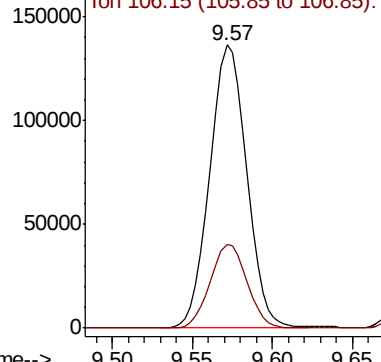
Ion Ratio Lower Upper

91 100

106 29.8 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040520.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.633 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040520.D

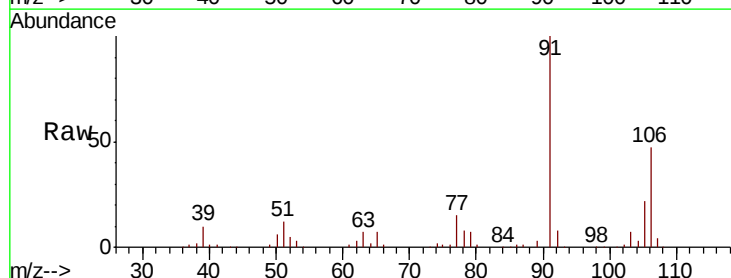
Acq: 05 Oct 2020 19:23

Tgt Ion: 106 Resp: 79259

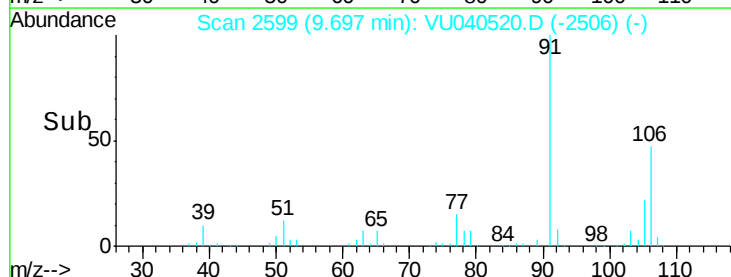
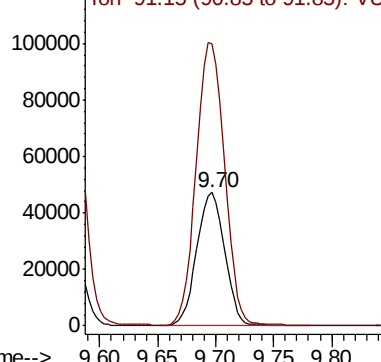
Ion Ratio Lower Upper

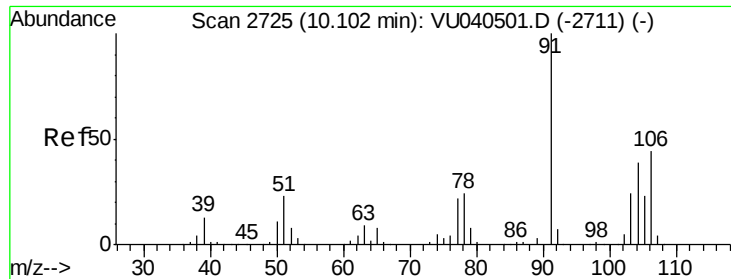
106 100

91 212.0 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040520.D (-2585) (-)

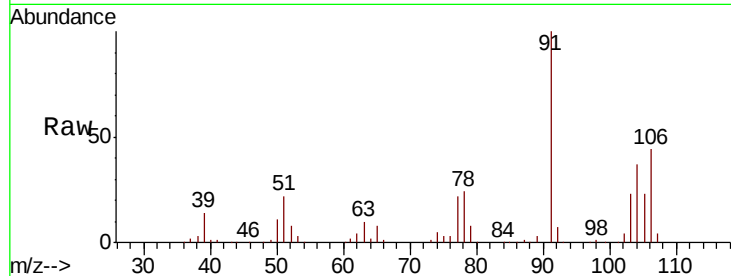




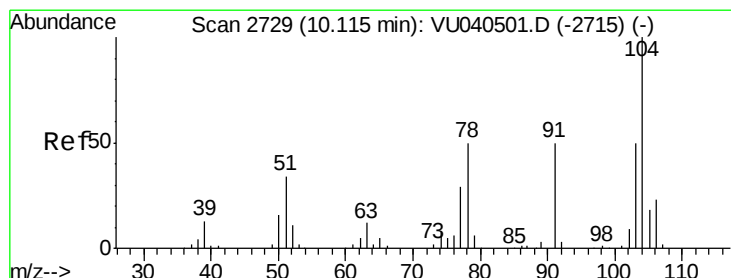
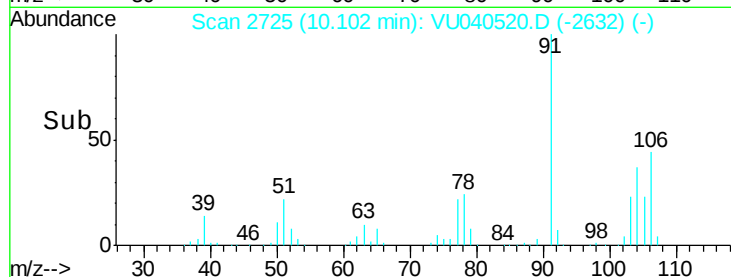
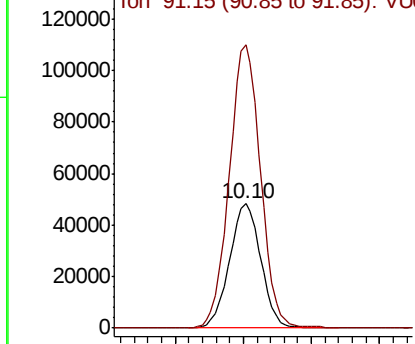
#54
o-Xylene
Concen: 4.783 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:106 Resp: 76983
Ion Ratio Lower Upper
106 100
91 228.2 160.9 298.9

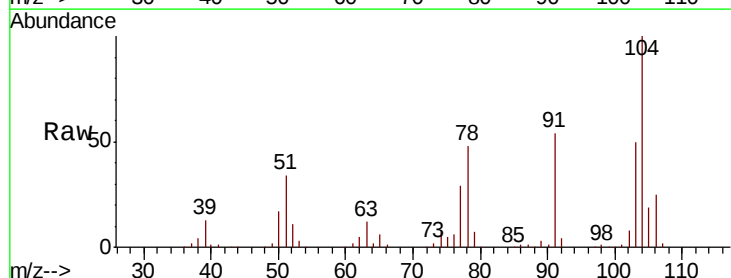


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

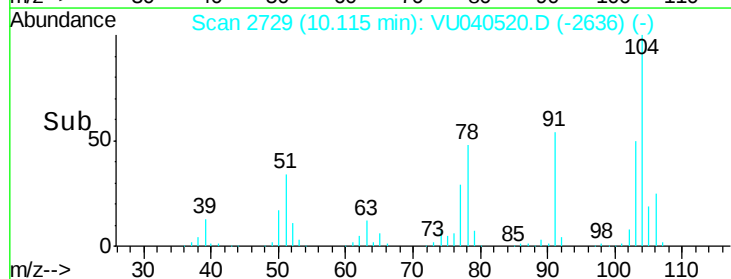
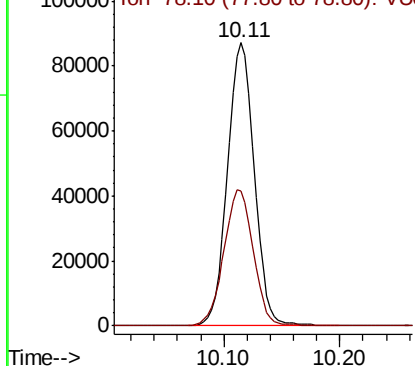


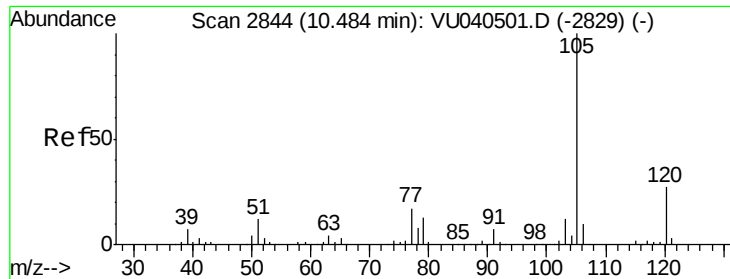
#55
Styrene
Concen: 4.939 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion:104 Resp: 138651
Ion Ratio Lower Upper
104 100
78 47.9 34.4 63.8



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





#56

Isopropylbenzene

Concen: 4.815 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

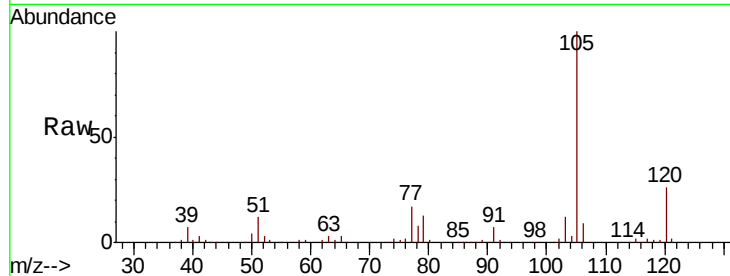
Tot Ion:105 Resp: 209116

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

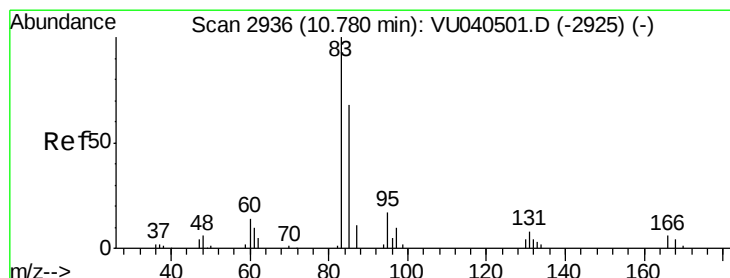
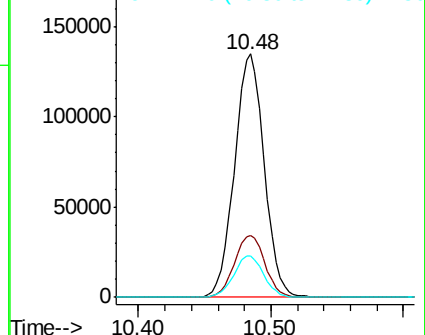
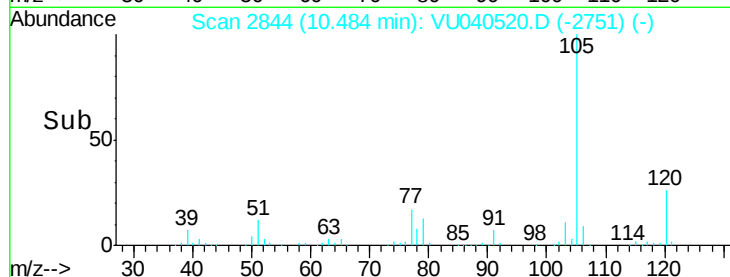
77 17.3 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.793 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

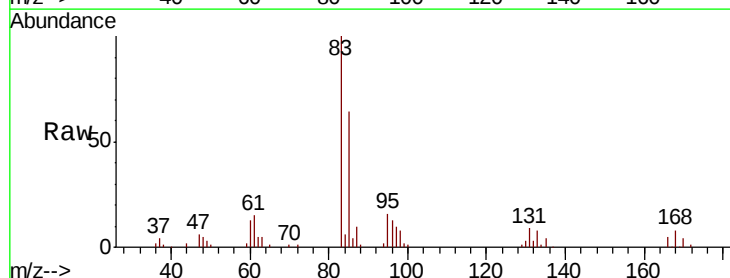
Tgt Ion: 83 Resp: 52338

Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.9

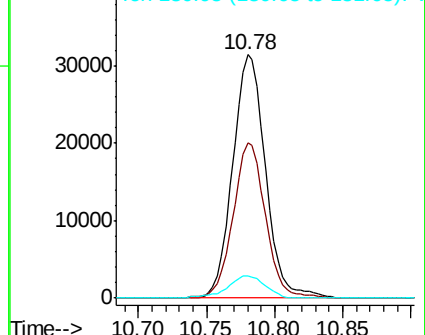
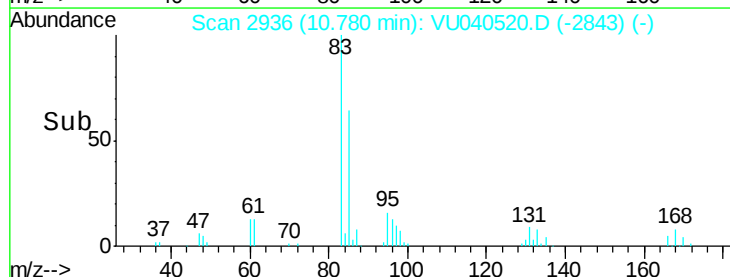
131 8.9 6.6 10.0

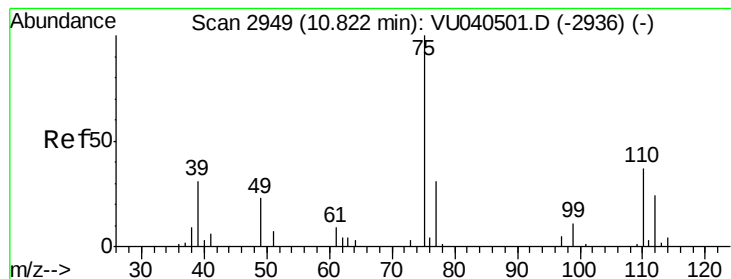


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.746 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

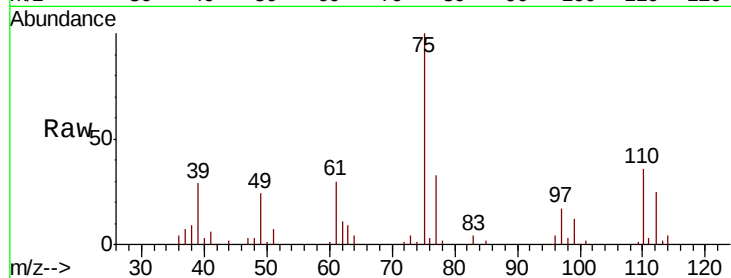
VSTD00513

Tot Ion: 75 Resp: 39537

Ion Ratio Lower Upper

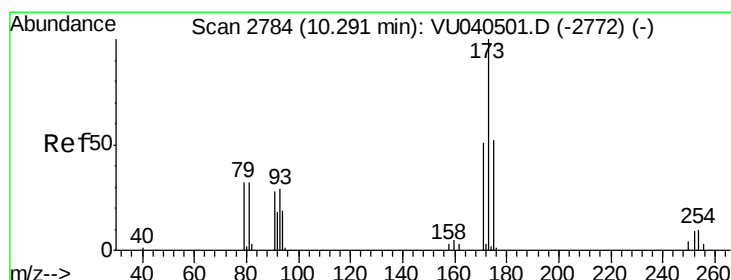
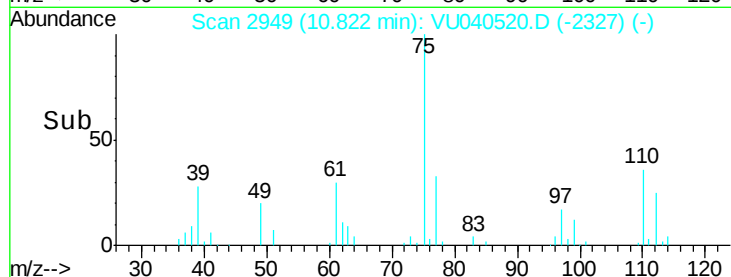
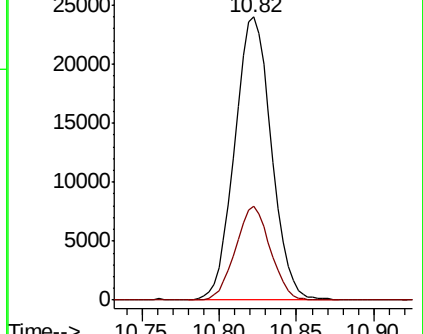
75 100

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040501.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040501.D (-2936) (-)



#61

Bromoform

Concen: 4.717 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

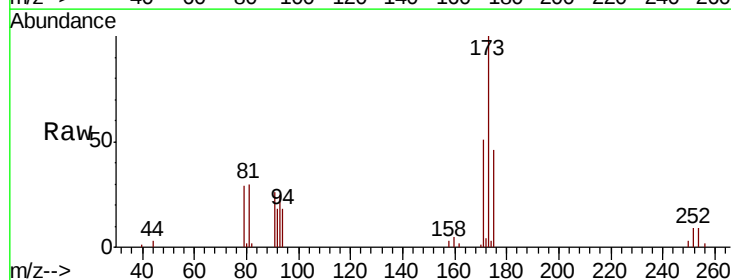
Tgt Ion: 173 Resp: 25657

Ion Ratio Lower Upper

173 100

175 47.0 39.6 59.4

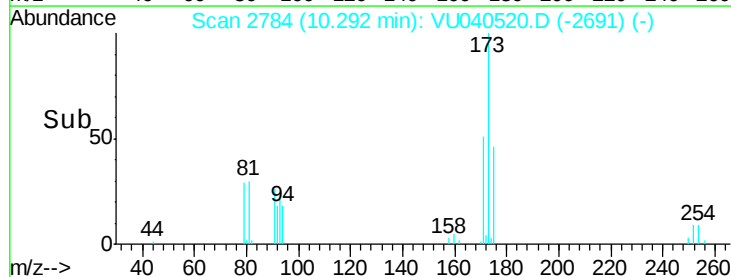
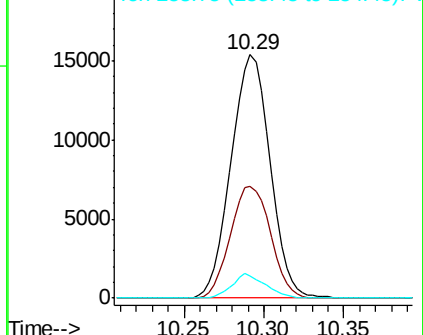
254 8.4 7.0 10.4

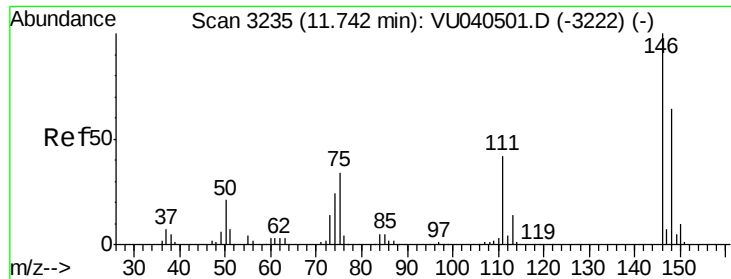


Abundance Ion 172.90 (172.60 to 173.60): VU040501.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040501.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040501.D (-2772) (-)





#62

1,3-Dichlorobenzene

Concen: 4.740 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

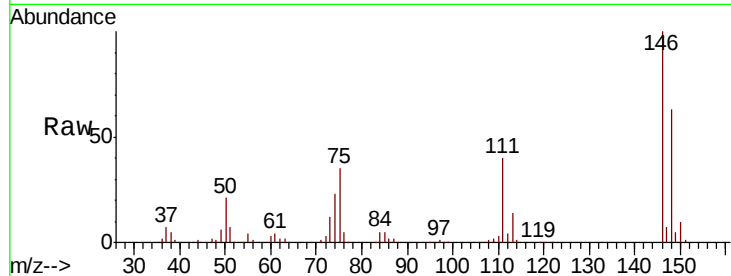
Tot Ion:146 Resp: 103271

Ion Ratio Lower Upper

146 100

111 40.1 28.6 53.0

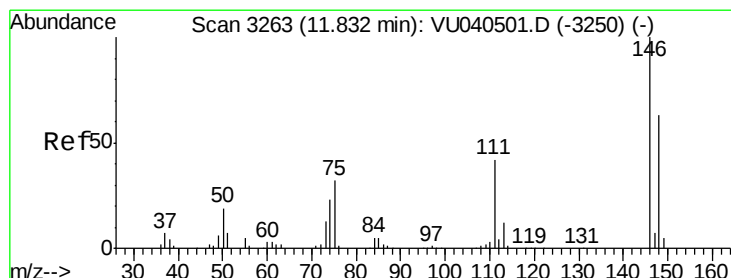
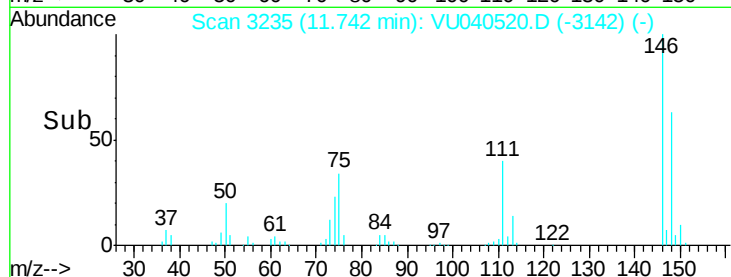
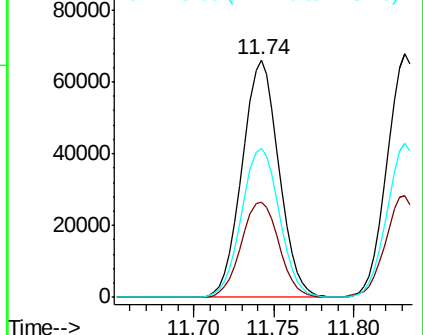
148 62.8 43.4 80.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.658 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

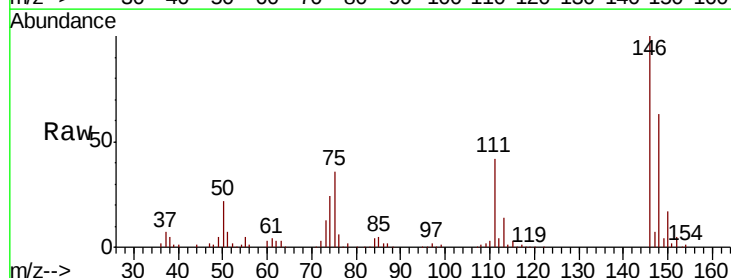
Tgt Ion:146 Resp: 105573

Ion Ratio Lower Upper

146 100

111 41.6 29.2 54.2

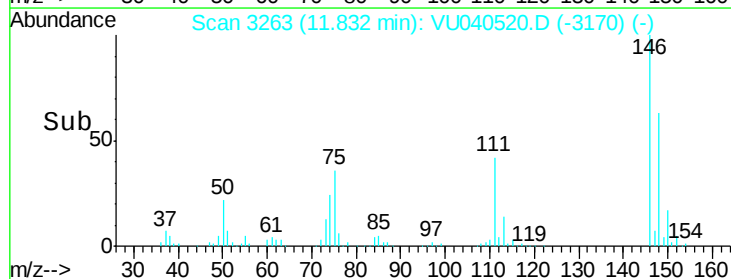
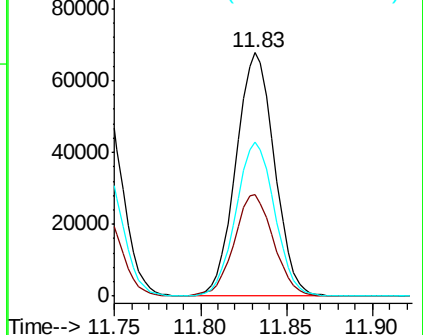
148 63.0 44.4 82.4

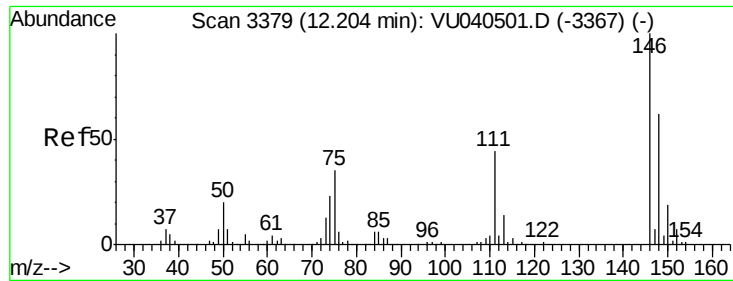


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.653 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

Instrument :

MSVOA_U

ClientSampleId :

VSTD00513

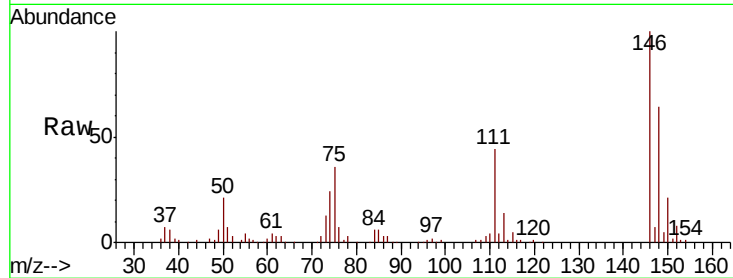
Tot Ion:146 Resp: 98549

Ion Ratio Lower Upper

146 100

111 44.0 35.6 53.4

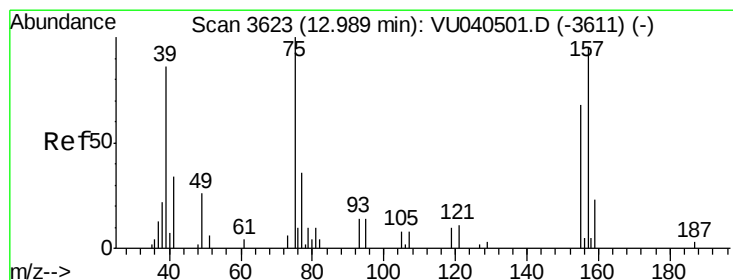
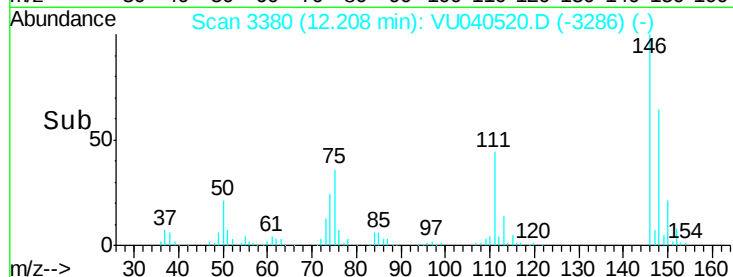
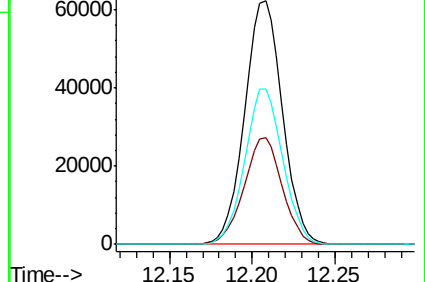
148 63.8 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.462 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040520.D

Acq: 05 Oct 2020 19:23

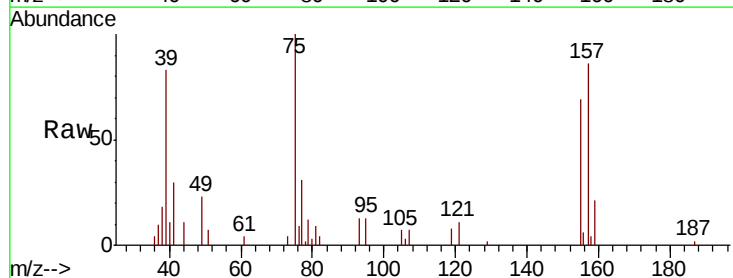
Tgt Ion: 75 Resp: 8519

Ion Ratio Lower Upper

75 100

155 68.6 59.4 89.2

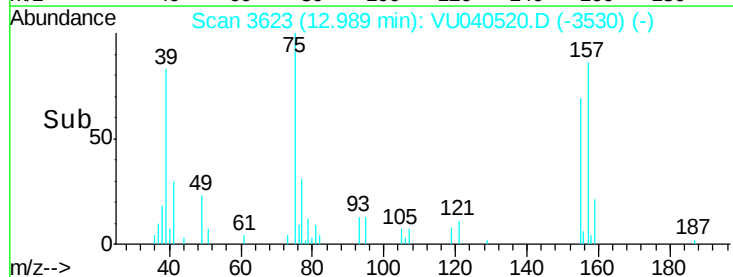
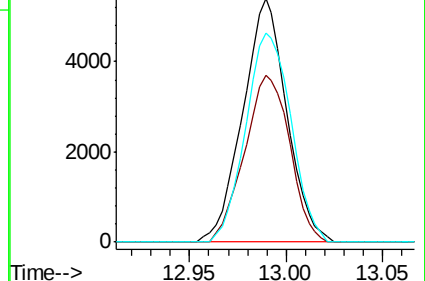
157 85.9 65.0 97.4

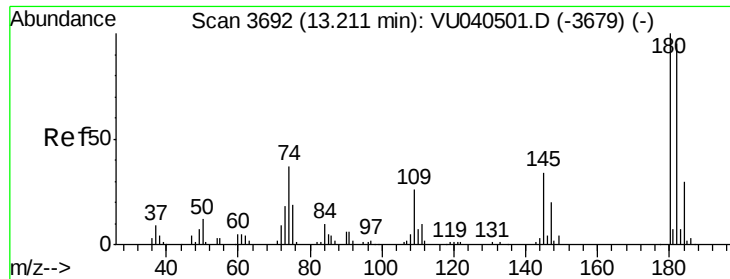


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

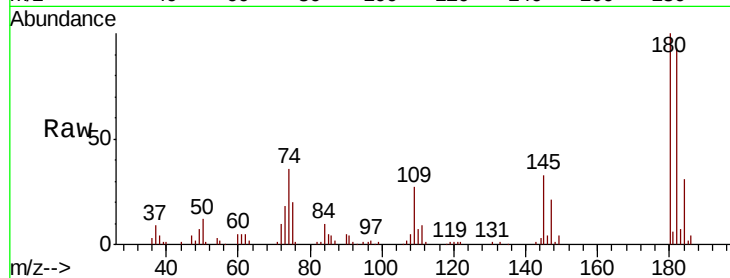




#67
 1,3,5-Trichlorobenzene
 Concen: 4.445 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00513

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.5	114.7
184	30.8	24.6	37.0
145	33.1	25.8	38.8

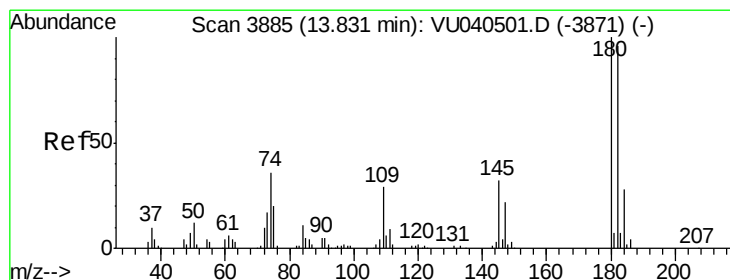
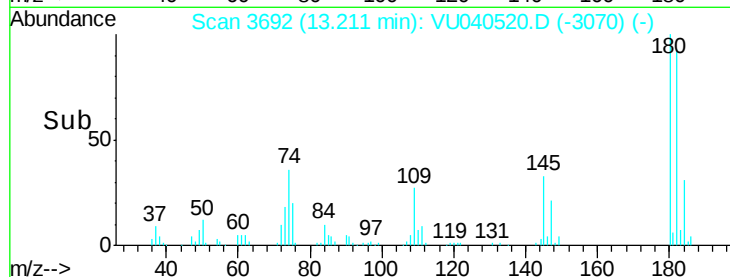
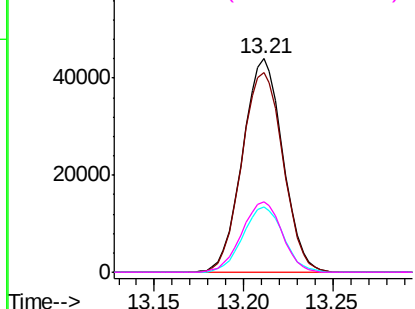


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

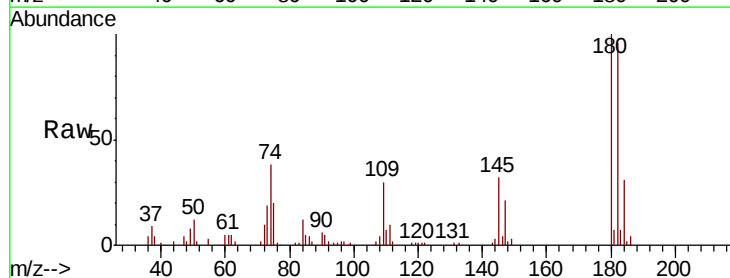
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.540 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040520.D
 Acq: 05 Oct 2020 19:23

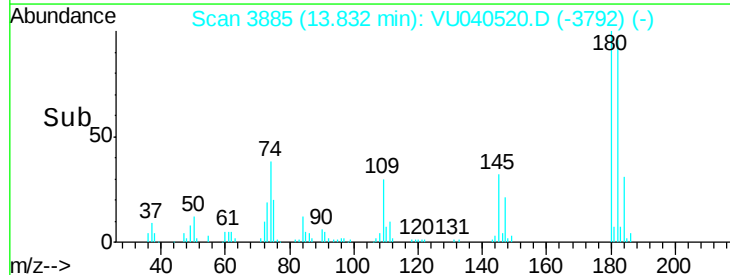
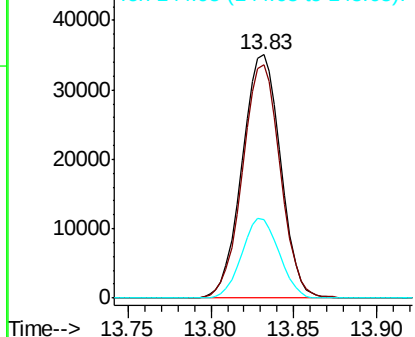
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	115.0
145	31.8	26.3	39.5

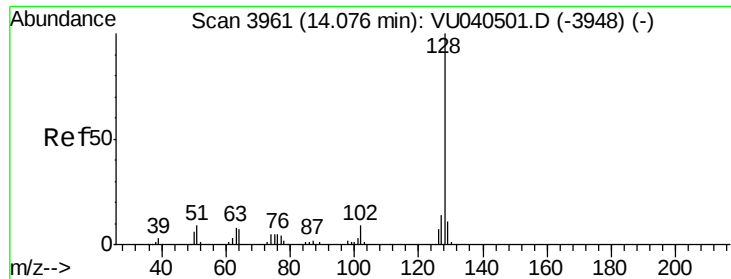


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V

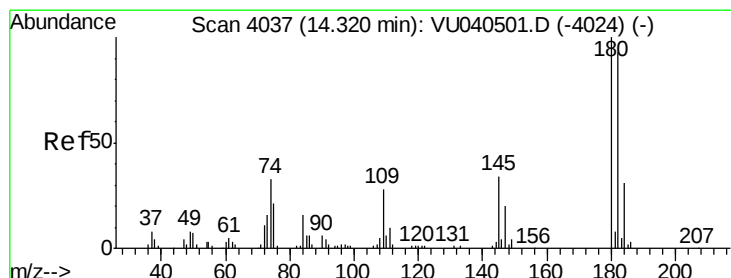
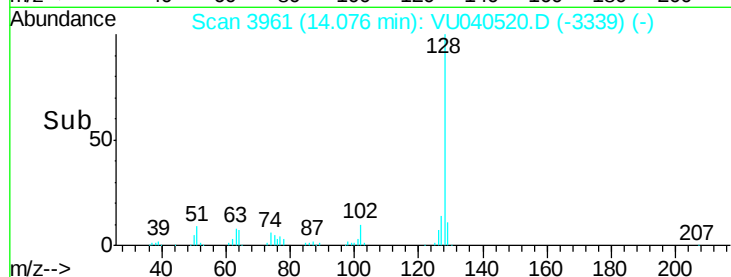
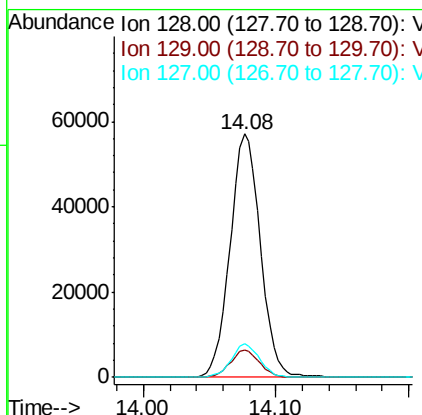
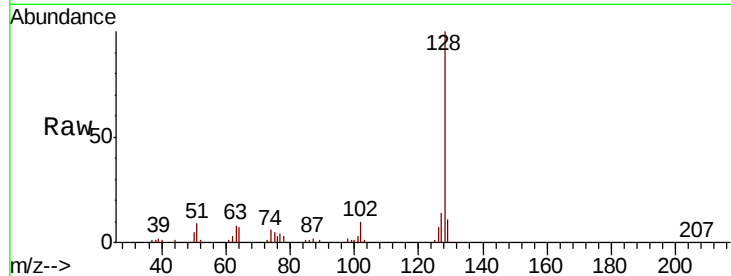




#69
Naphthalene
Concen: 4.248 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Instrument :
MSVOA_U
ClientSampleId :
VSTD00513

Tot Ion:128 Resp: 90737
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 12.8 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 4.649 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040520.D
Acq: 05 Oct 2020 19:23

Tgt Ion:180 Resp: 53165
Ion Ratio Lower Upper
180 100
182 93.5 76.6 115.0
145 34.6 27.8 41.6

