

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040429.D
 Acq On : 01 Oct 2020 18:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Quant Time: Oct 02 03:23:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	151627	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	149198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	77564	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38029	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.92	69	30166	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.58	63	92002	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.00%
20) 2-Butanone-d5	4.65	46	140168	37.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.18%
24) Chloroform-d	5.08	84	81108	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	47112	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.74	84	150109	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.20%
36) 1,2-Dichloropropane-d6	6.70	67	50782	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.90	98	141968	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	8.18	79	21298	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.64	63	101214	38.43	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.86%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	44192	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51270	4.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	75217	4.947 ug/L	100
3) Chloromethane	1.52	50	71541	4.797 ug/L	100
5) Vinyl chloride	1.61	62	73544	5.018 ug/L	98
6) Bromomethane	1.86	94	36047	5.057 ug/L	97
8) Chloroethane	1.94	64	45090	5.191 ug/L	97
9) Trichlorofluoromethane	2.14	101	102645	5.077 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	65470	5.071 ug/L	99
12) 1,1-Dichloroethene	2.59	96	58451	5.062 ug/L	96
13) Acetone	2.66	43	151596	48.789 ug/L	100
14) Carbon disulfide	2.80	76	176876	4.846 ug/L	99
15) Methyl Acetate	2.96	43	34907	4.665 ug/L	100
16) Methylene chloride	3.06	84	69213	4.772 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	155995	4.903 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	59973	5.023 ug/L	98
19) 1,1-Dichloroethane	3.89	63	126498	5.162 ug/L	98
21) 2-Butanone	4.73	43	254149	50.958 ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	65807	4.982 ug/L	99

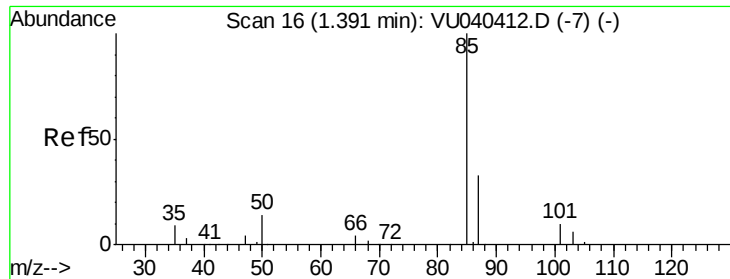
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040429.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 02 03:13:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	31331	5.181	ug/L	97
25) Chloroform	5.10	83	128568	5.143	ug/L	96
27) 1,2-Dichloroethane	5.81	62	90417	5.224	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	107463	5.273	ug/L	99
30) Cyclohexane	5.40	56	107023	5.076	ug/L	99
31) Carbon tetrachloride	5.54	117	91916	5.260	ug/L	99
33) Benzene	5.79	78	266199	5.322	ug/L	100
34) Trichloroethene	6.55	95	68000	5.121	ug/L	96
35) Methylcyclohexane	6.77	83	103262	5.302	ug/L	98
37) 1,2-Dichloropropane	6.80	63	73504	5.276	ug/L	100
38) Bromodichloromethane	7.11	83	90403	5.256	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	98102	5.251	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	574375	52.651	ug/L	100
42) Toluene	7.97	91	278762	5.435	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	90963	5.281	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	52159	5.341	ug/L	96
47) Tetrachloroethene	8.56	164	49542	5.254	ug/L	98
48) 2-Hexanone	8.69	43	424374	52.792	ug/L	99
49) Dibromochloromethane	8.81	129	60973	5.368	ug/L	95
50) 1,2-Dibromoethane	8.92	107	49142	5.246	ug/L	95
51) Chlorobenzene	9.45	112	174456	5.261	ug/L	99
52) Ethylbenzene	9.57	91	300471	5.398	ug/L	99
53) m,p-Xylene	9.69	106	111831	5.393	ug/L	99
54) o-Xylene	10.10	106	106470	5.458	ug/L	96
55) Styrene	10.11	104	189372	5.566	ug/L	98
56) Isopropylbenzene	10.48	105	285014	5.414	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	65819	4.973	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	50424	4.994	ug/L	100
61) Bromoform	10.29	173	33362	5.205	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	138902	5.409	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	141469	5.296	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	131414	5.264	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	11054	4.913	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	94706	5.166	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	76431	5.189	ug/L	99
69) Naphthalene	14.08	128	126295	5.017	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	71465	5.302	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.947 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.01 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

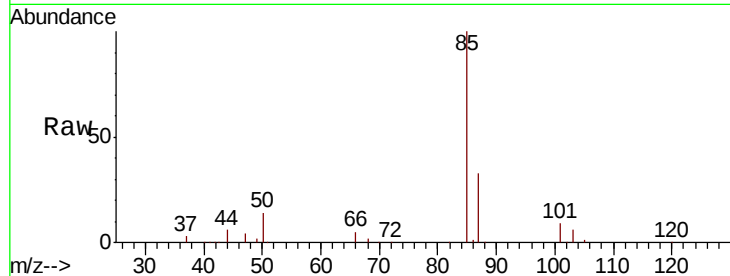
VSTD00529

Tot Ion: 85 Resp: 75217

Ion Ratio Lower Upper

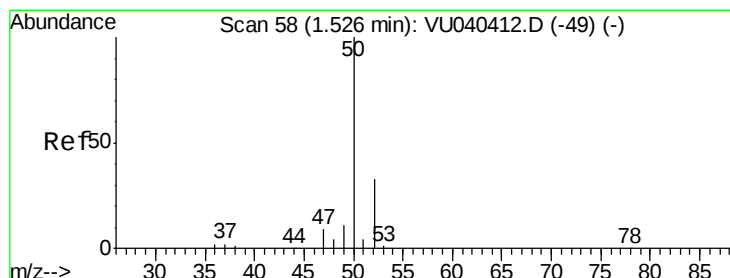
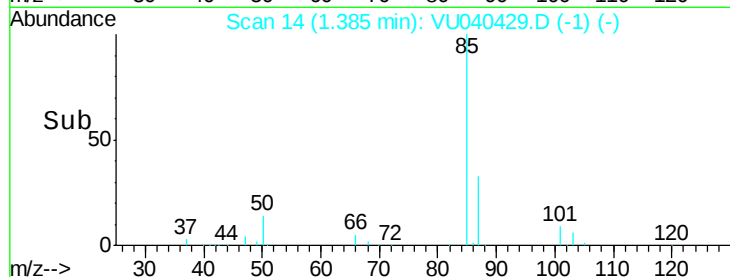
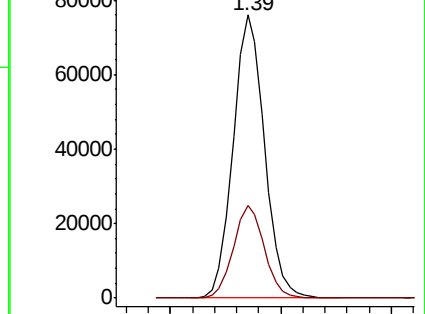
85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040412.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040412.D (-7) (-)



#3

Chloromethane

Concen: 4.797 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040429.D

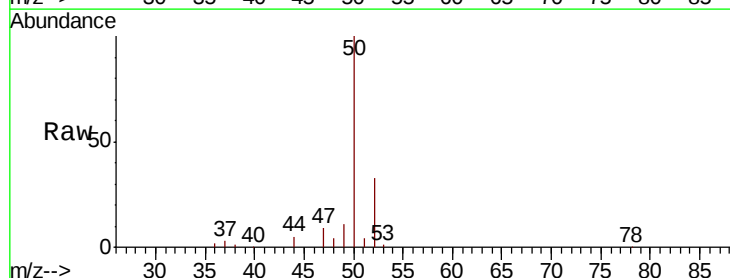
Acq: 01 Oct 2020 18:37

Tgt Ion: 50 Resp: 71541

Ion Ratio Lower Upper

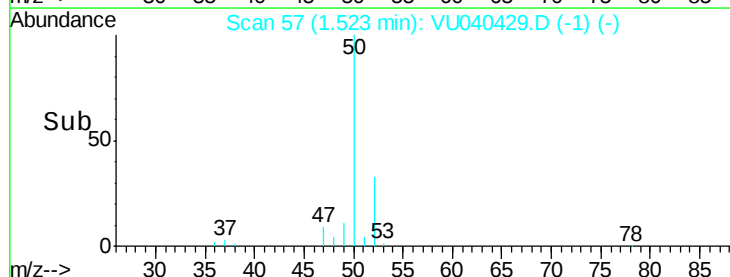
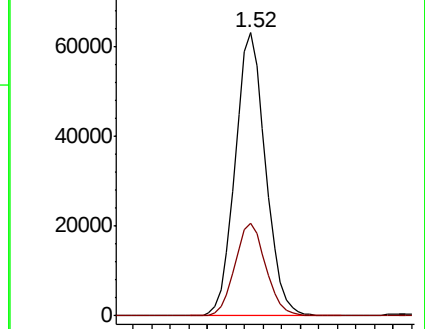
50 100

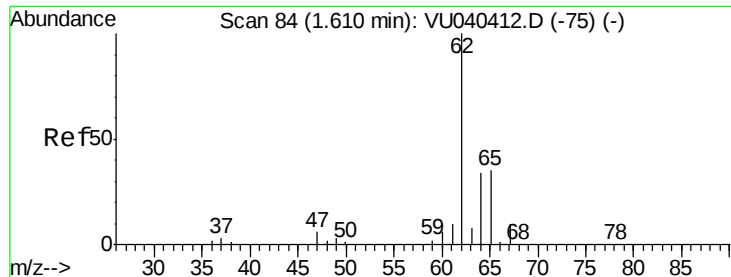
52 32.8 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040412.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040412.D (-49) (-)





#5

Vinyl chloride

Concen: 5.018 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

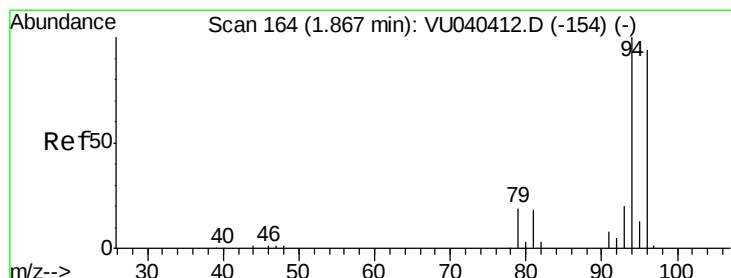
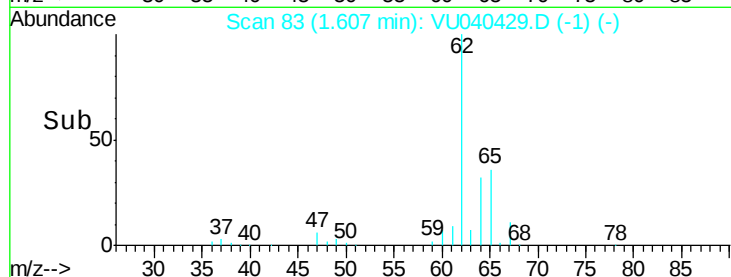
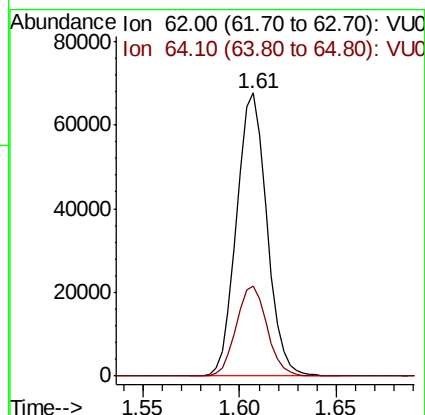
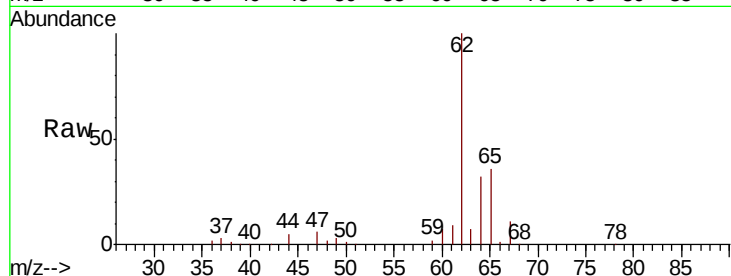
VSTD00529

Tot Ion: 62 Resp: 73544

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.8



#6

Bromomethane

Concen: 5.057 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040429.D

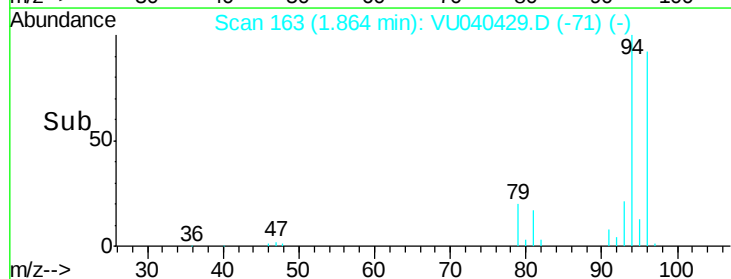
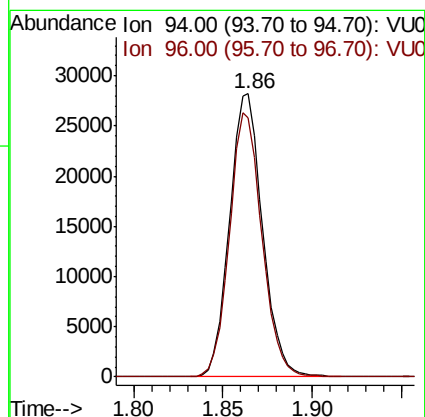
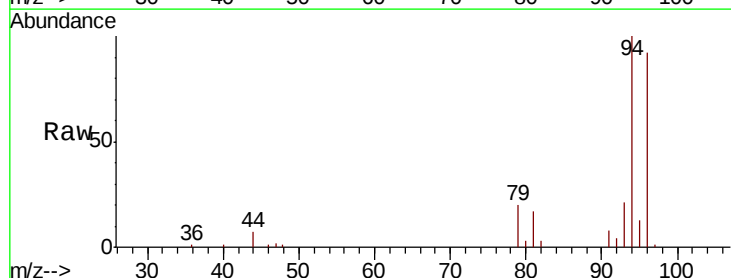
Acq: 01 Oct 2020 18:37

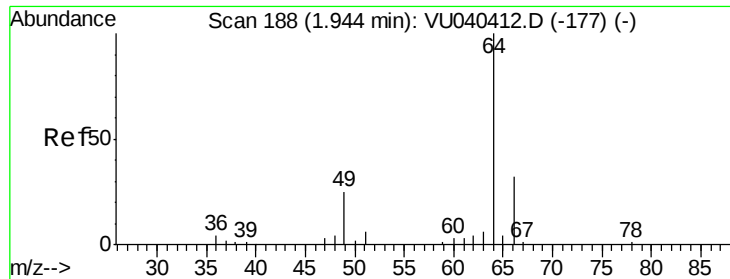
Tgt Ion: 94 Resp: 36047

Ion Ratio Lower Upper

94 100

96 91.7 66.3 123.1





#8

Chloroethane

Concen: 5.191 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.01 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

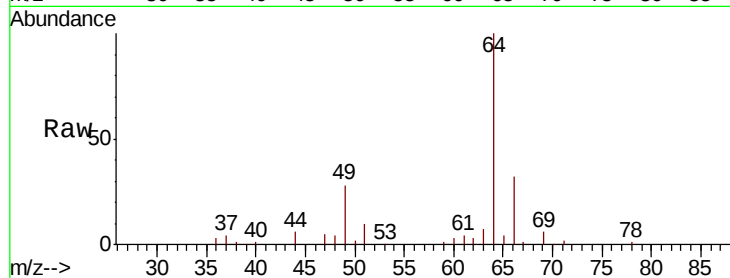
VSTD00529

Tot Ion: 64 Resp: 45090

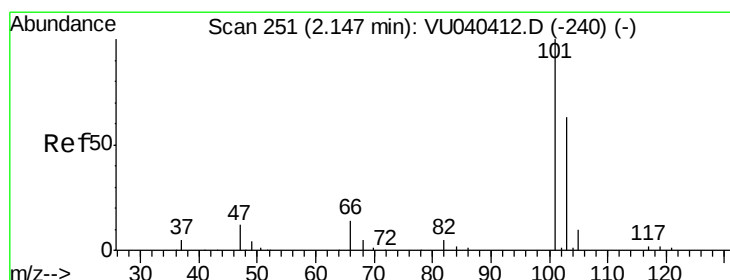
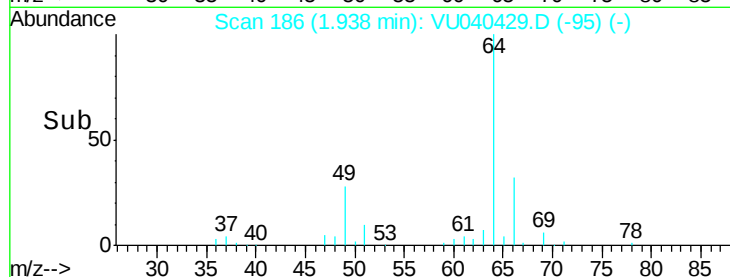
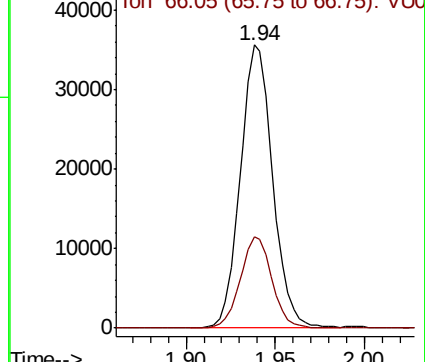
Ion Ratio Lower Upper

64 100

66 32.2 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040429.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 5.077 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.00 min

Lab File: VU040429.D

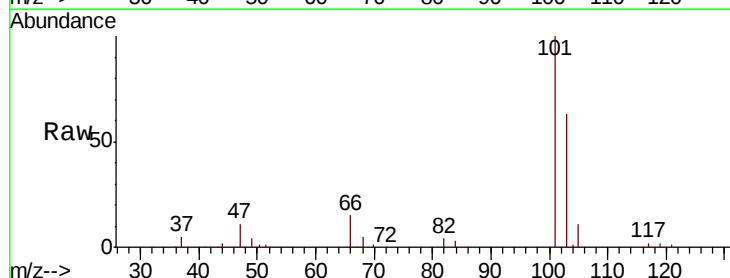
Acq: 01 Oct 2020 18:37

Tgt Ion:101 Resp: 102645

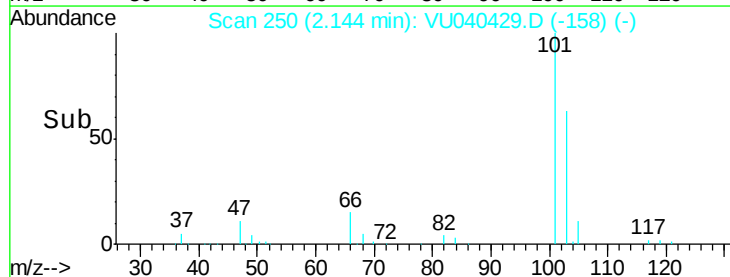
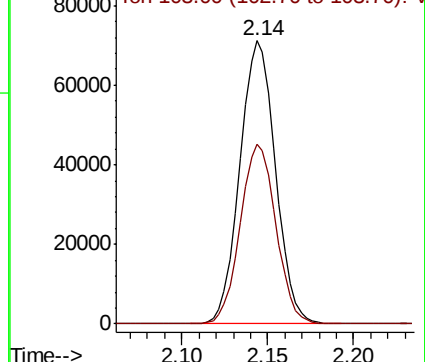
Ion Ratio Lower Upper

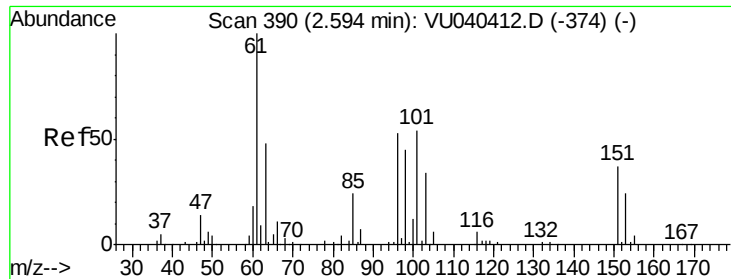
101 100

103 63.4 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040429.D (-158) (-)





#10

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

Concen: 5.071 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

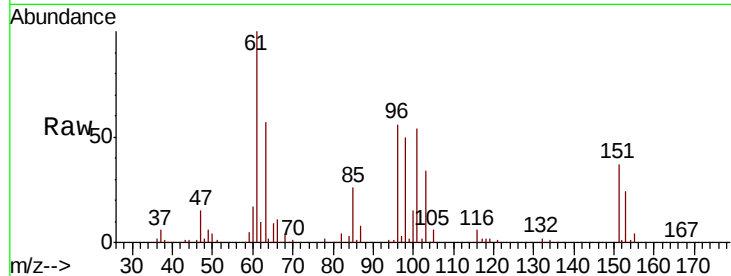
Tot Ion:101 Resp: 65470

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.6

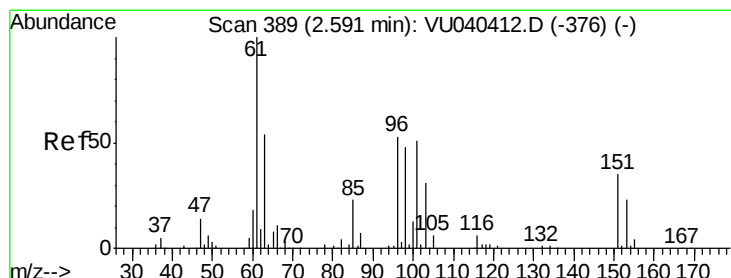
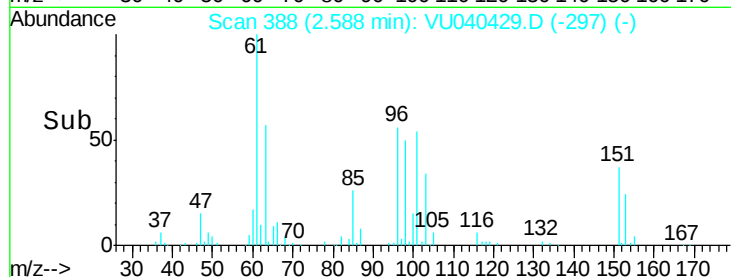
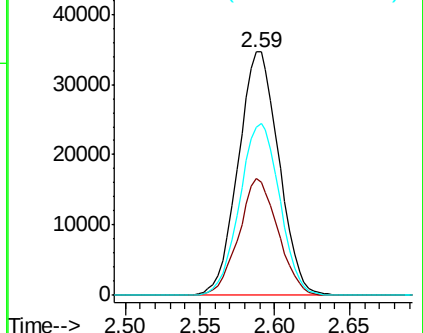
151 69.4 55.4 83.2



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: 5.062 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

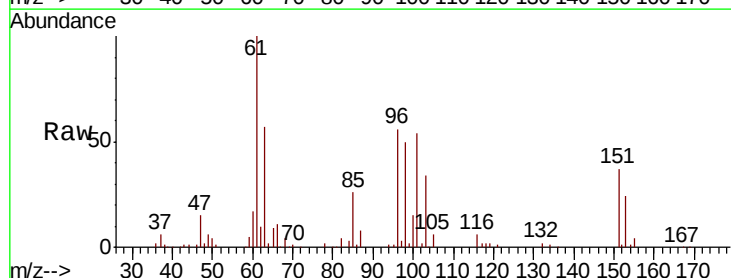
Tgt Ion: 96 Resp: 58451

Ion Ratio Lower Upper

96 100

61 180.1 128.6 238.8

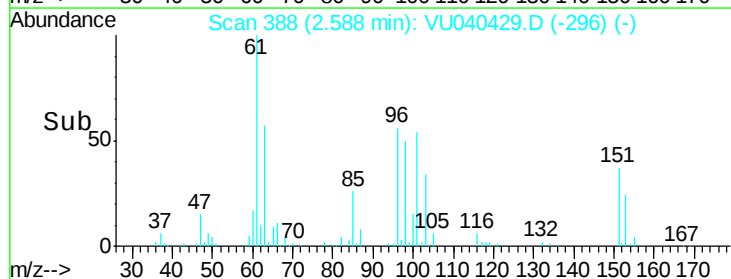
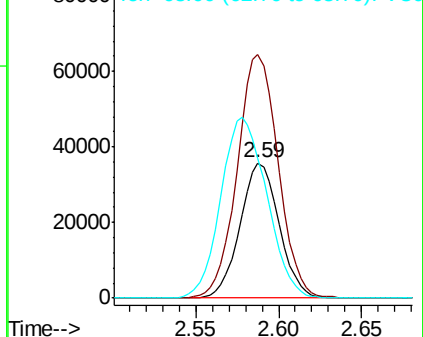
63 103.3 67.8 126.0

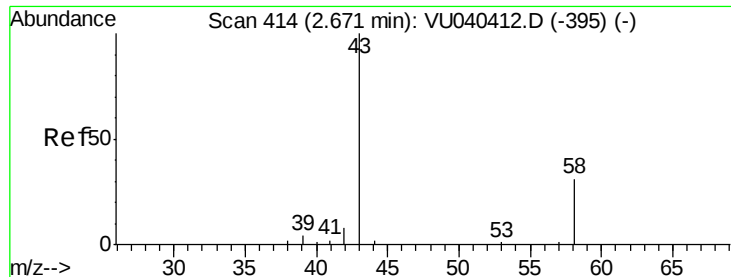


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.789 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.02 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

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ClientSampleId :

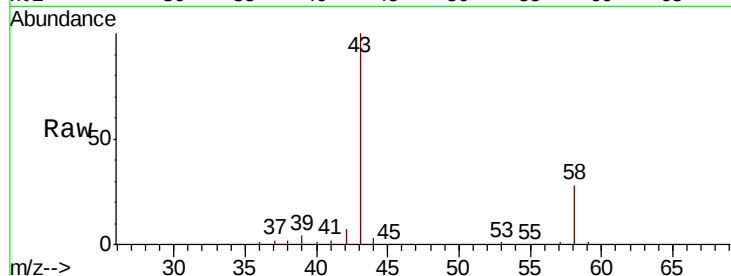
VSTD00529

Tot Ion: 43 Resp: 151596

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040429.D (-321) (-)

Ion 58.05 (57.75 to 58.75): VU040429.D (-321) (-)

2.66

50000

40000

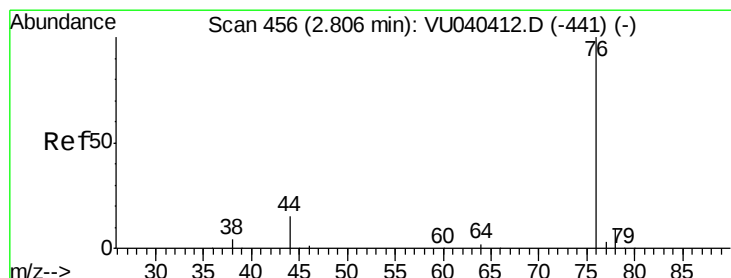
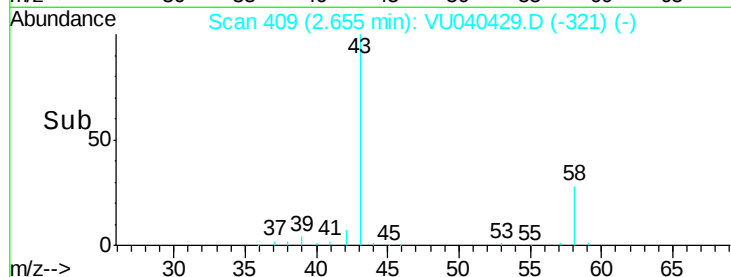
30000

20000

10000

0

Time--> 2.50 2.60 2.70 2.80



#14

Carbon disulfide

Concen: 4.846 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040429.D

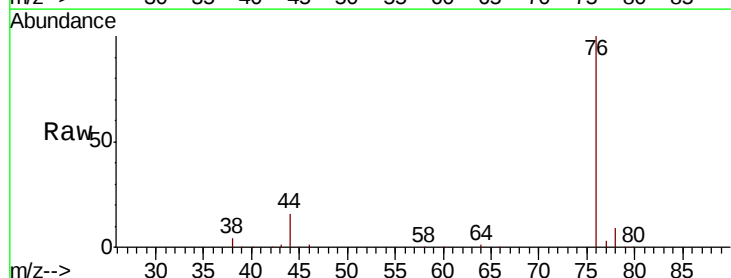
Acq: 01 Oct 2020 18:37

Tgt Ion: 76 Resp: 176876

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040429.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040429.D (-363) (-)

2.80

120000

100000

80000

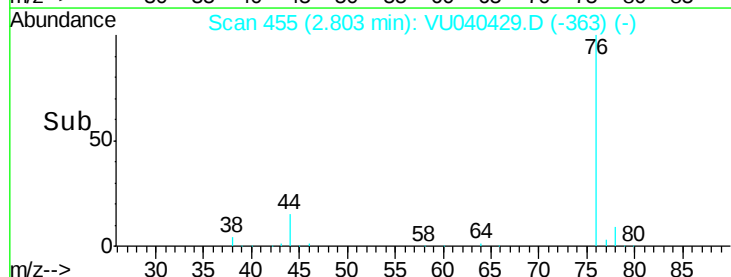
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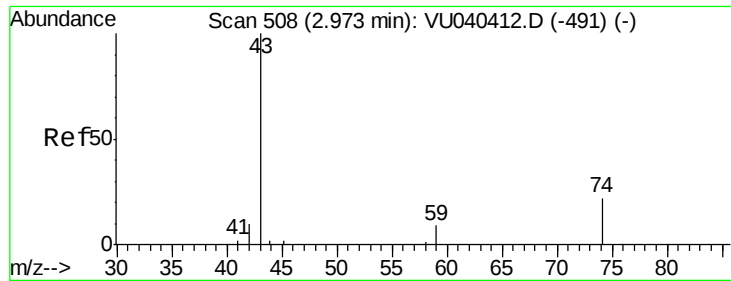
40000

20000

0

Time--> 2.70 2.80 2.90





#15

Methyl Acetate

Concen: 4.665 ug/L

RT: 2.96 min Scan# 505

Delta R.T. -0.01 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

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ClientSampleId :

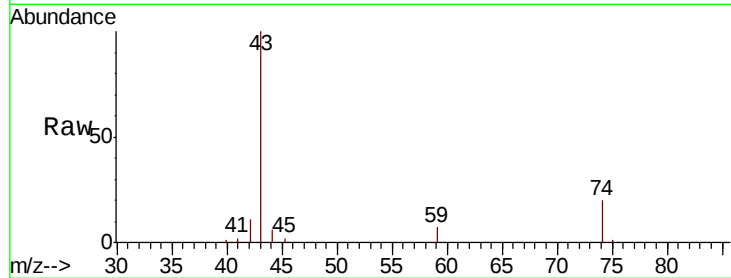
VSTD00529

Tot Ion: 43 Resp: 34907

Ion Ratio Lower Upper

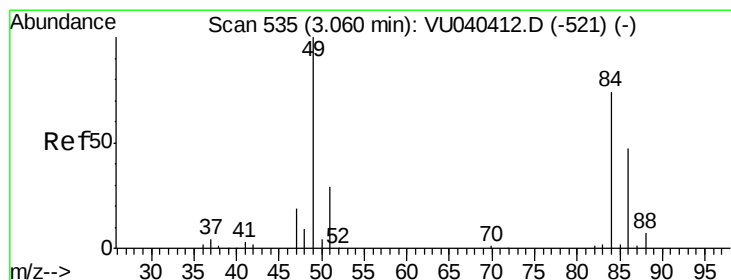
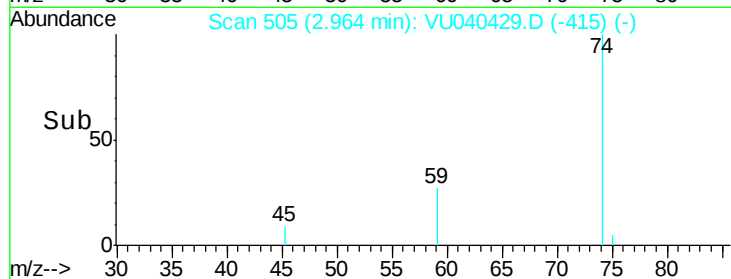
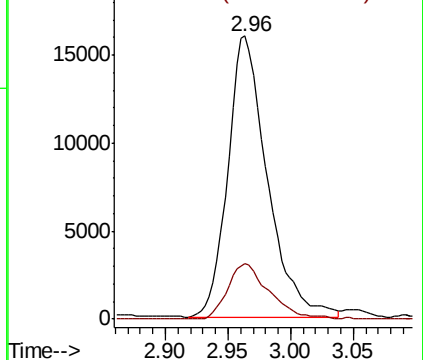
43 100

74 20.4 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 4.772 ug/L

RT: 3.06 min Scan# 534

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

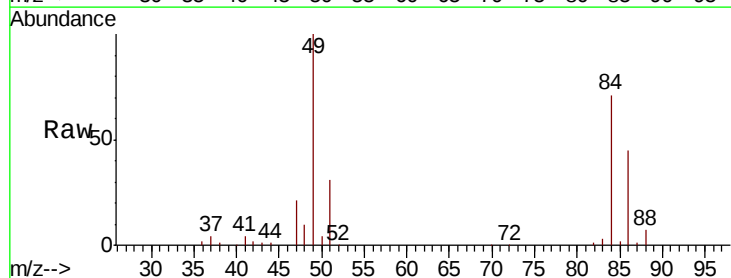
Tgt Ion: 84 Resp: 69213

Ion Ratio Lower Upper

84 100

86 63.5 44.4 82.5

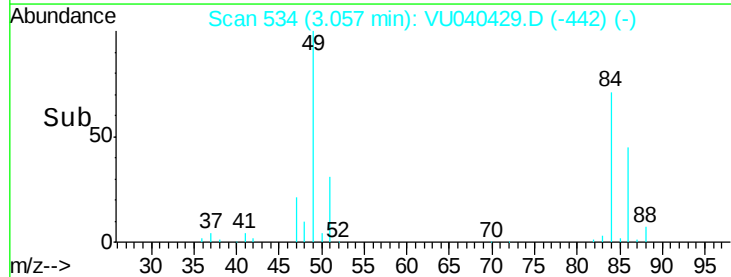
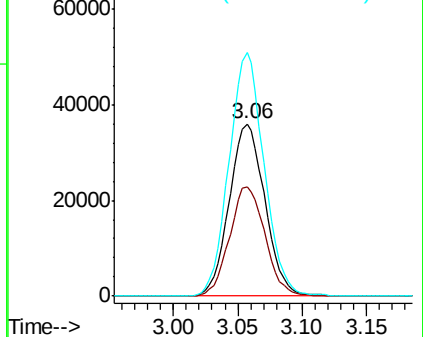
49 141.5 92.2 171.2

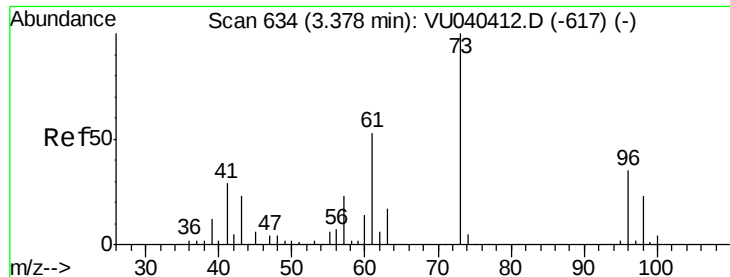


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

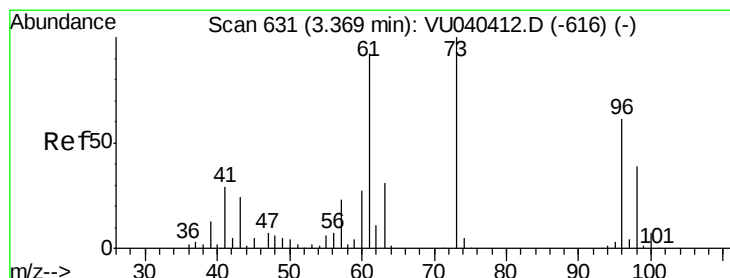
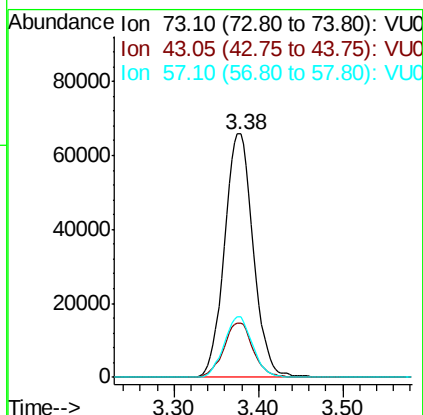
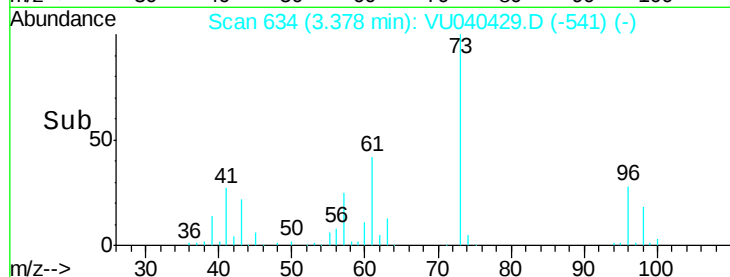
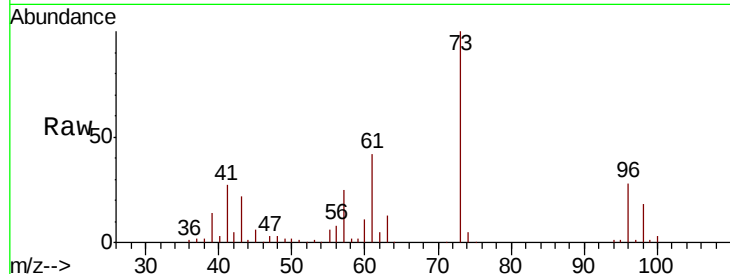




#17
Methvl tert-butvl Ether
Concen: 4.903 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

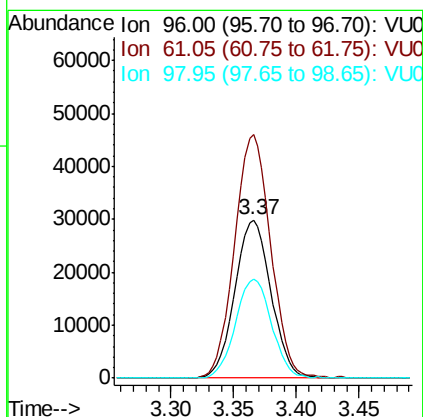
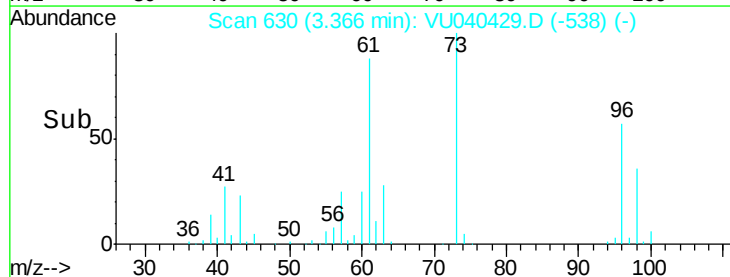
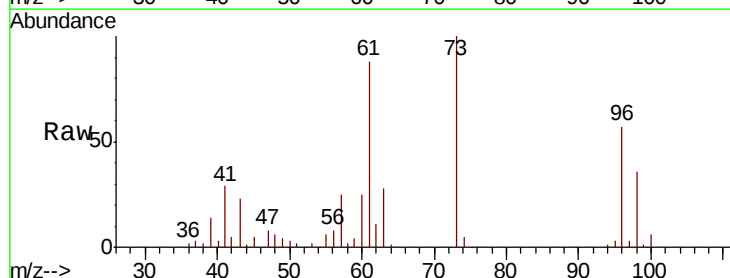
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

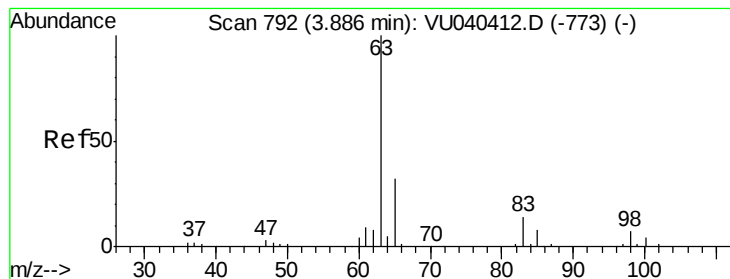
Tot Ion: 73 Resp: 155995
Ion Ratio Lower Upper
73 100
43 22.7 19.0 28.4
57 24.4 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.023 ug/L
RT: 3.37 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Tgt Ion: 96 Resp: 59973
Ion Ratio Lower Upper
96 100
61 154.1 109.3 203.1
98 62.3 45.8 85.0





#19

1,1-Dichloroethane

Concen: 5.162 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

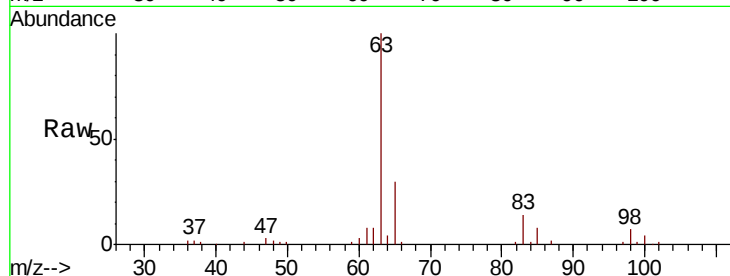
Tot Ion: 63 Resp: 126498

Ion Ratio Lower Upper

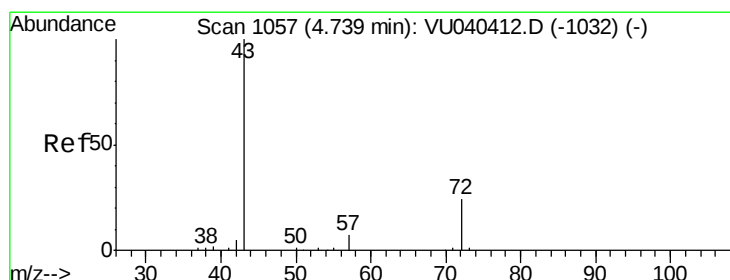
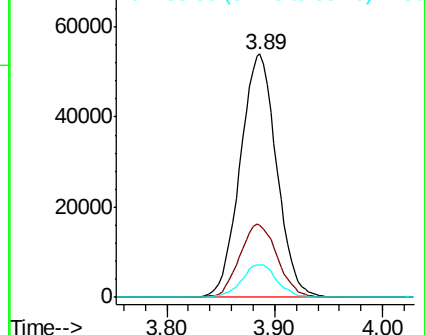
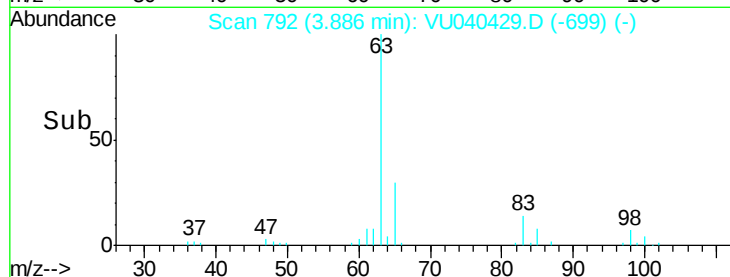
63 100

65 29.8 21.7 40.3

83 13.5 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040429.D (-699) (-)



#21

2-Butanone

Concen: 50.958 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VU040429.D

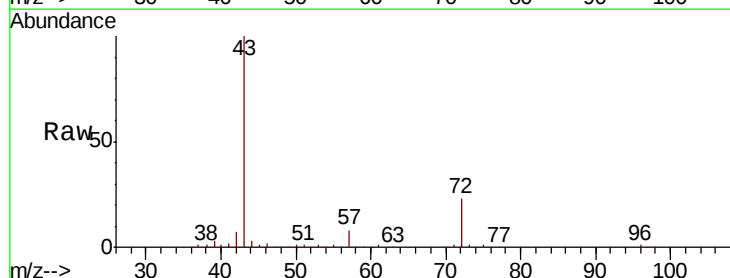
Acq: 01 Oct 2020 18:37

Tgt Ion: 43 Resp: 254149

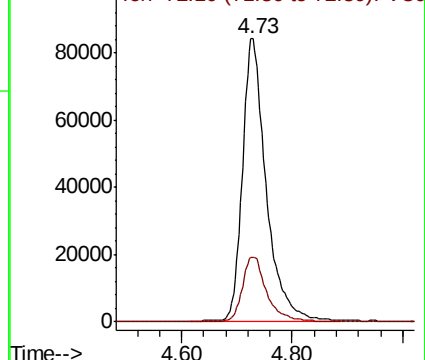
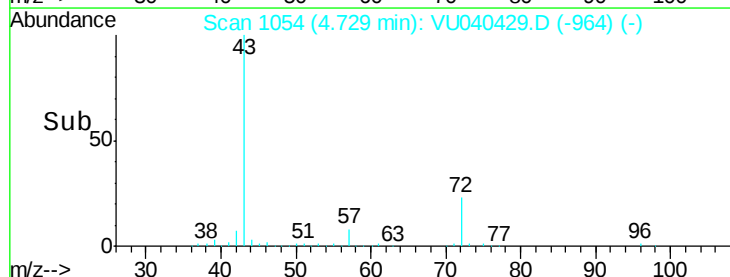
Ion Ratio Lower Upper

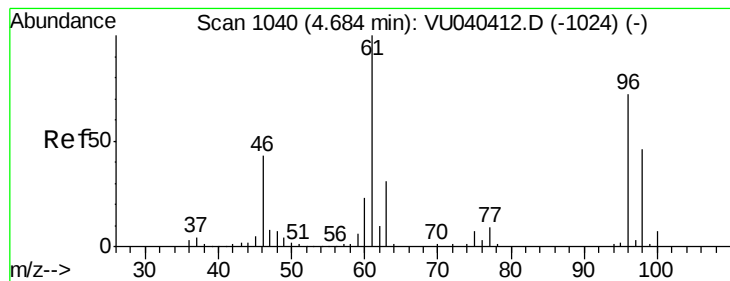
43 100

72 23.2 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040429.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.982 ug/L

RT: 4.68 min Scan# 1039

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

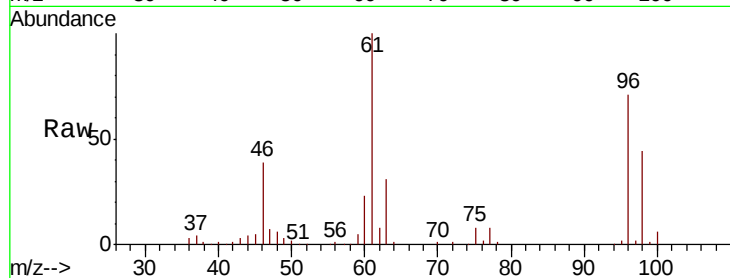
Tot Ion: 96 Resp: 65807

Ion Ratio Lower Upper

96 100

61 141.0 99.3 184.5

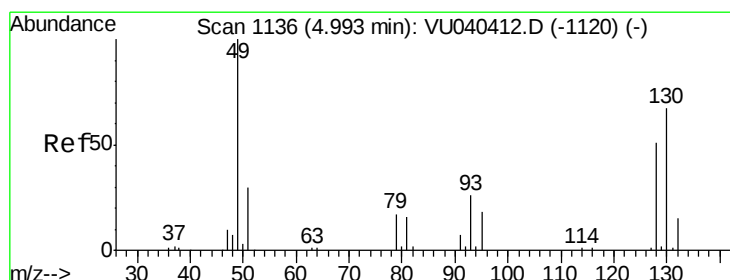
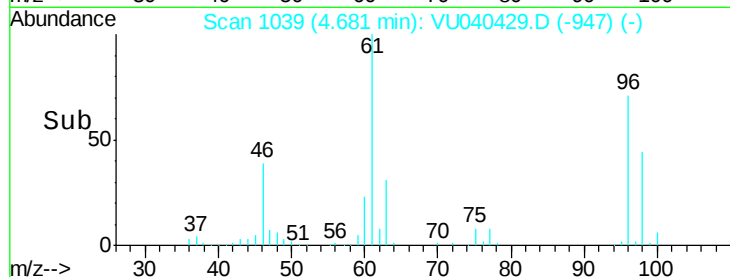
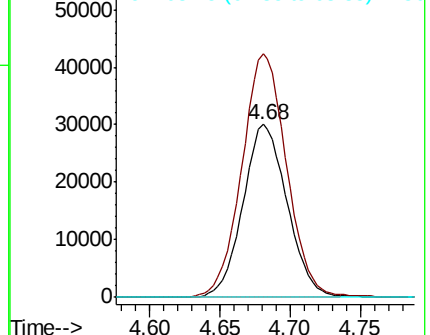
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040412.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040412.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040412.D (-1024) (-)



#23

Bromochloromethane

Concen: 5.181 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Tgt Ion: 128 Resp: 31331

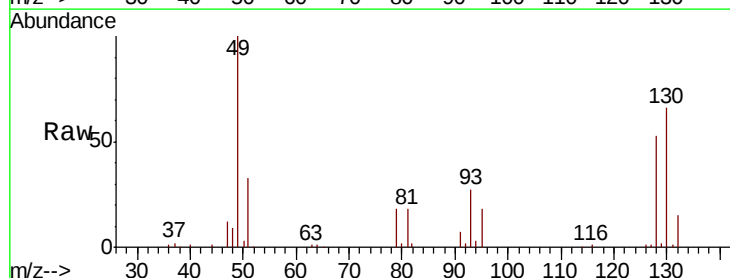
Ion Ratio Lower Upper

128 100

49 188.1 134.6 250.0

130 124.7 91.1 169.1

51 62.0 50.6 75.8

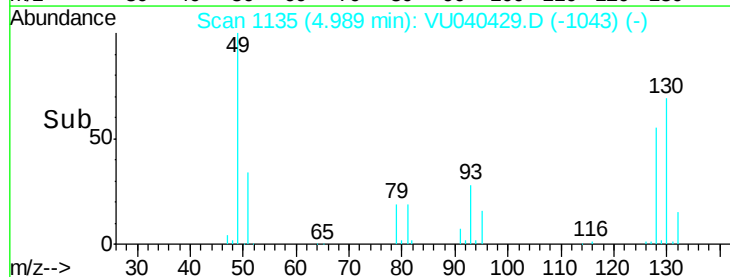
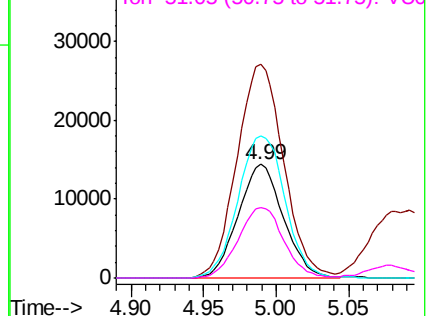


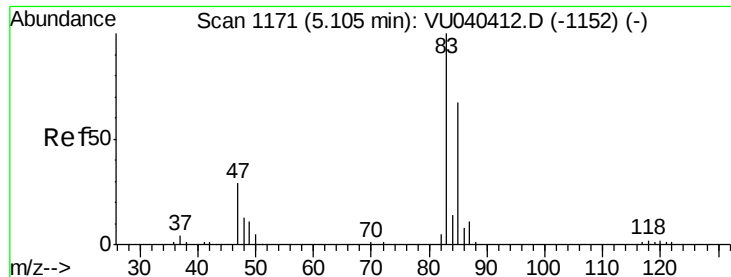
Abundance Ion 127.90 (127.60 to 128.60): VU040412.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040412.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040412.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040412.D (-1120) (-)

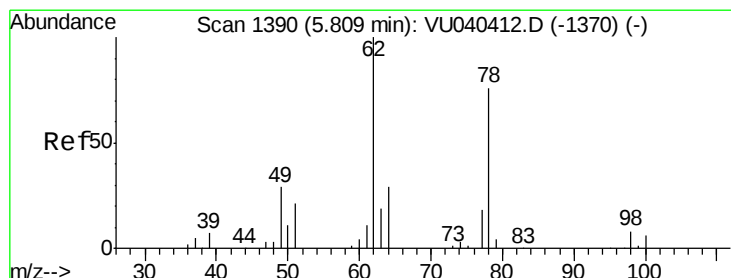
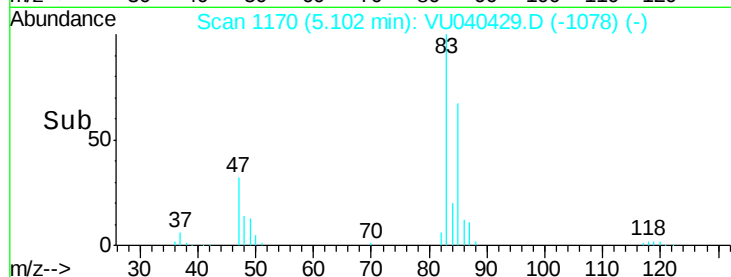
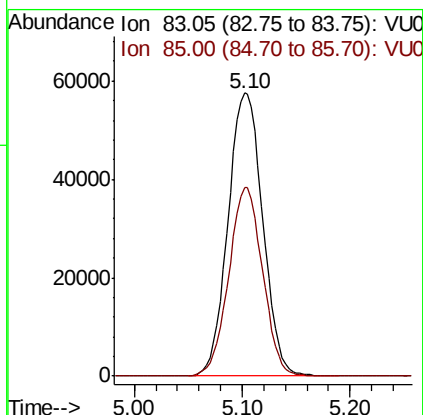
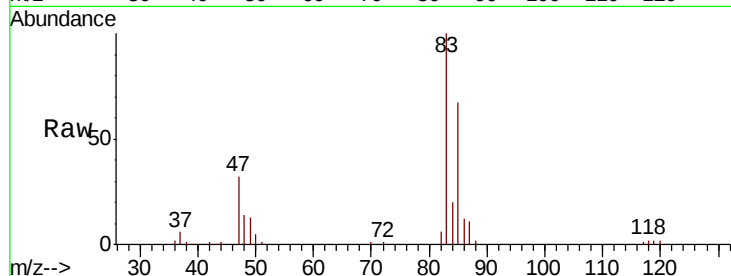




#25
Chloroform
Concen: 5.143 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

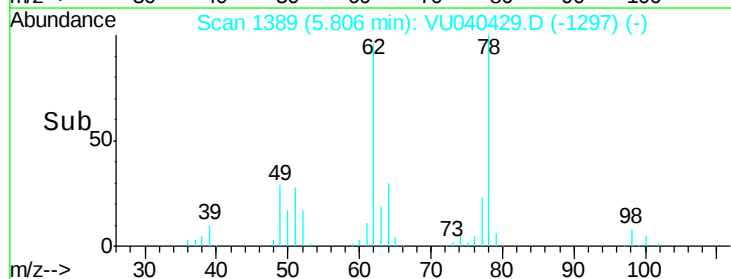
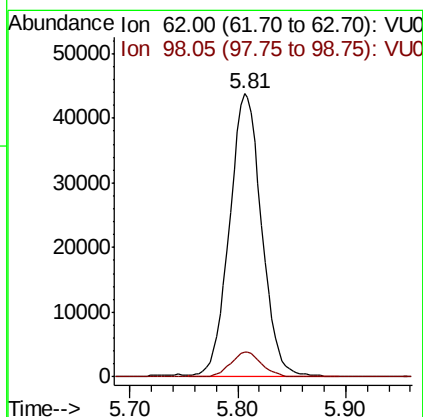
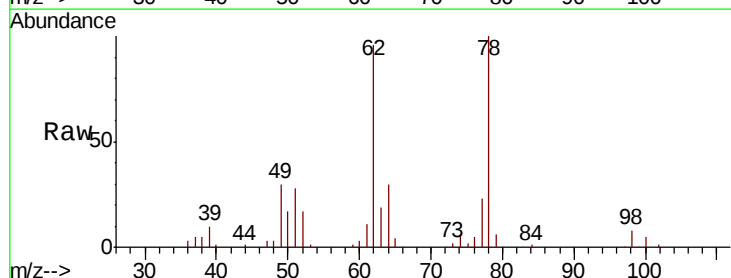
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

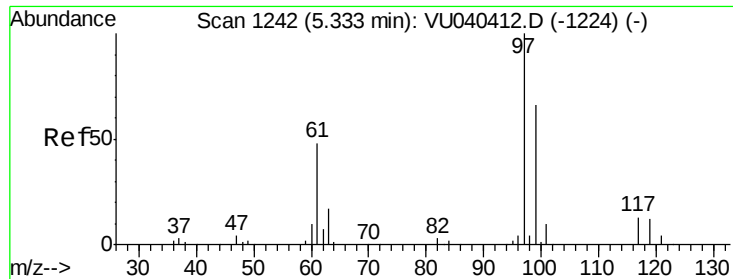
Tot Ion: 83 Resp: 128568
Ion Ratio Lower Upper
83 100
85 66.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.224 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Tgt Ion: 62 Resp: 90417
Ion Ratio Lower Upper
62 100
98 8.8 7.5 11.3

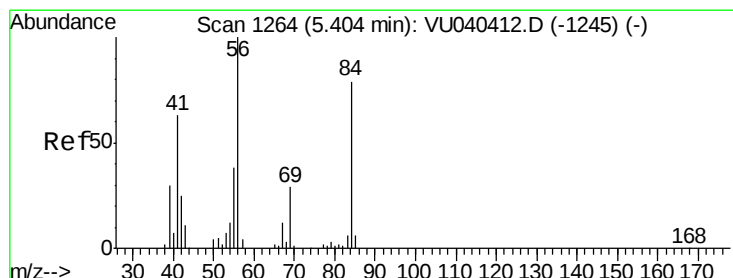
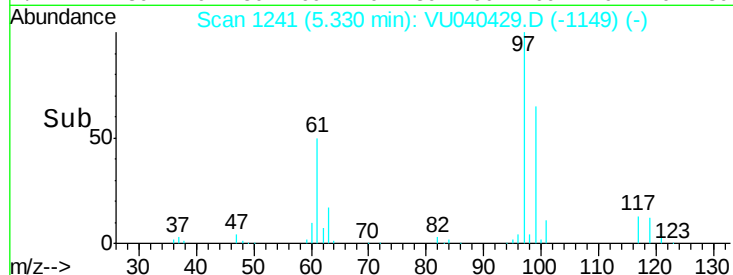
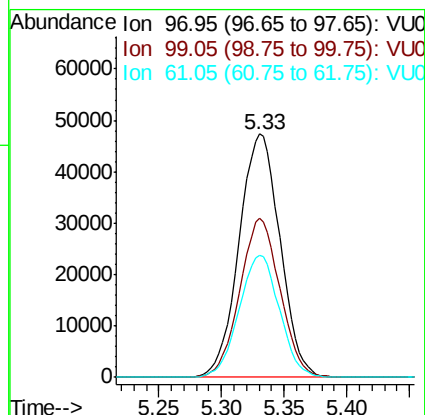
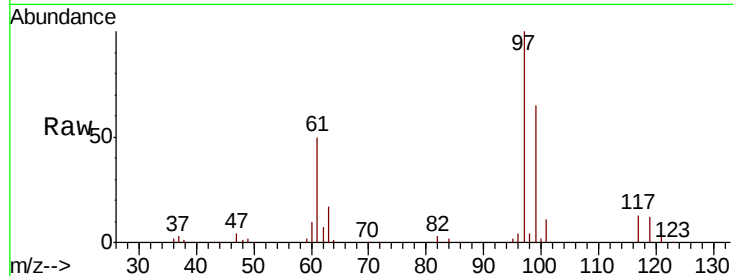




#29
 1,1,1-Trichloroethane
 Concen: 5.273 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

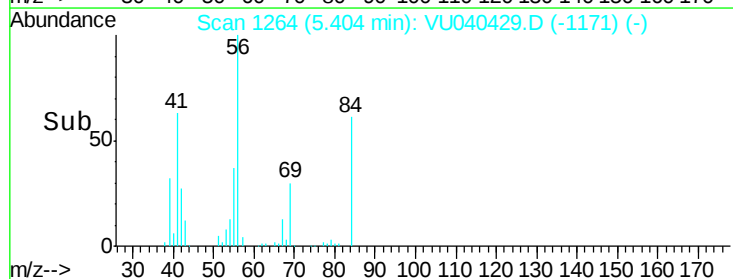
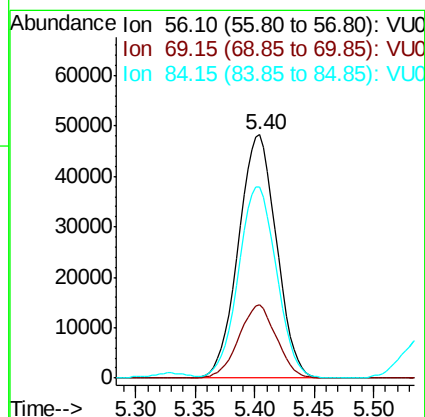
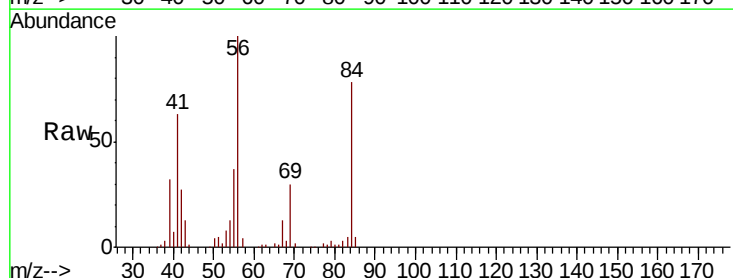
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

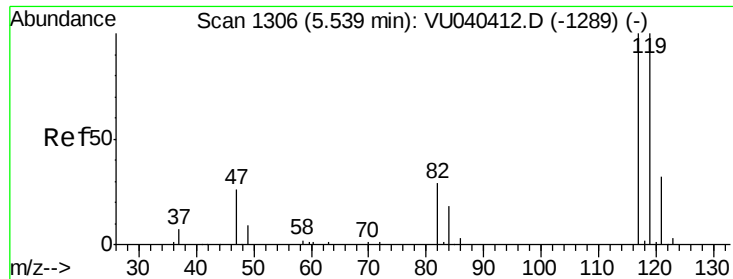
Tot Ion: 97 Resp: 107463
 Ion Ratio Lower Upper
 97 100
 99 64.2 50.7 76.1
 61 49.5 39.7 59.5



#30
 Cyclohexane
 Concen: 5.076 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 56 Resp: 107023
 Ion Ratio Lower Upper
 56 100
 69 29.6 23.3 34.9
 84 79.0 64.2 96.4

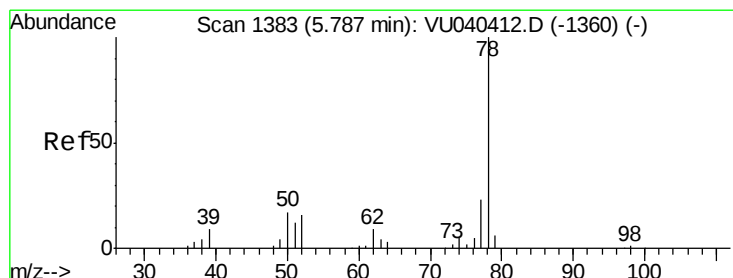
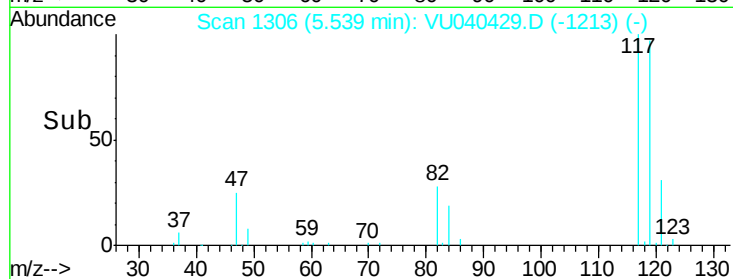
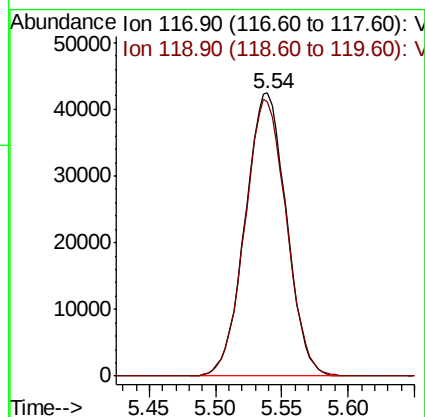
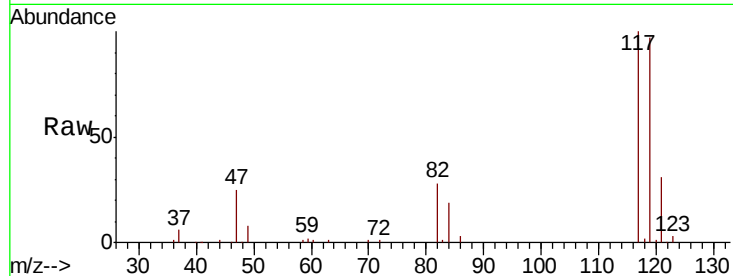




#31
Carbon tetrachloride
Concen: 5.260 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

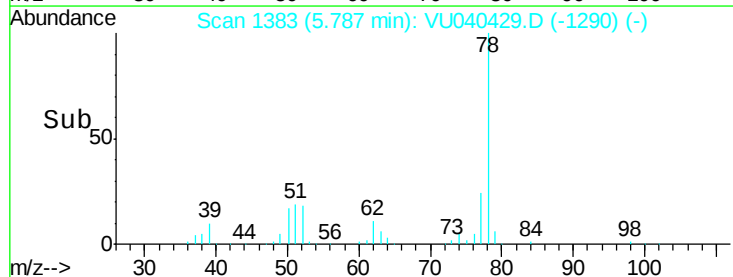
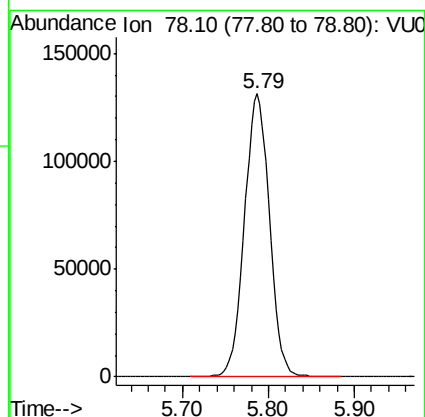
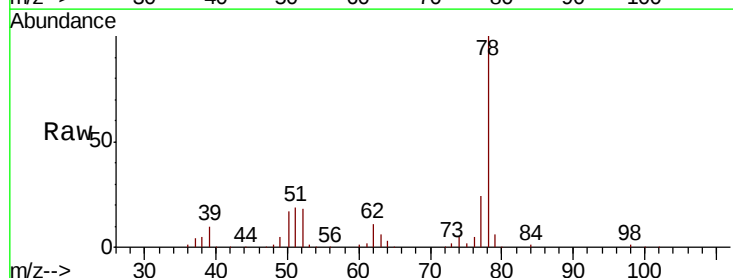
Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

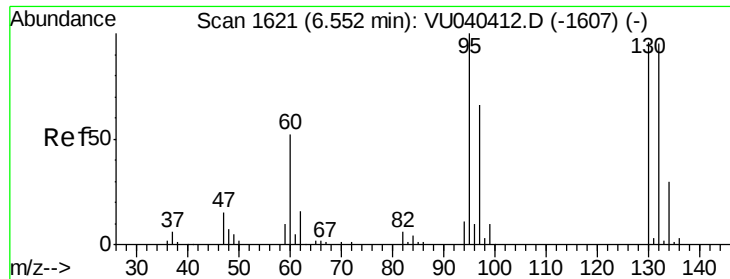
Tot Ion:117 Resp: 91916
Ion Ratio Lower Upper
117 100
119 98.1 77.5 116.3



#33
Benzene
Concen: 5.322 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Tgt Ion: 78 Resp: 266199

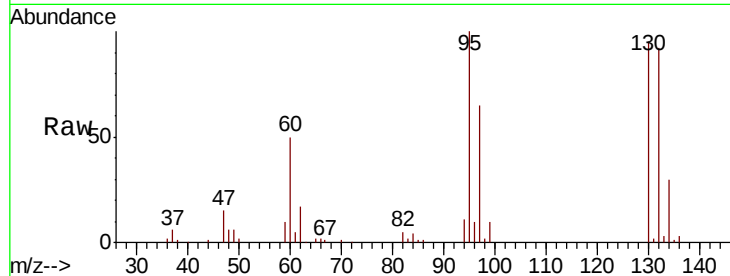




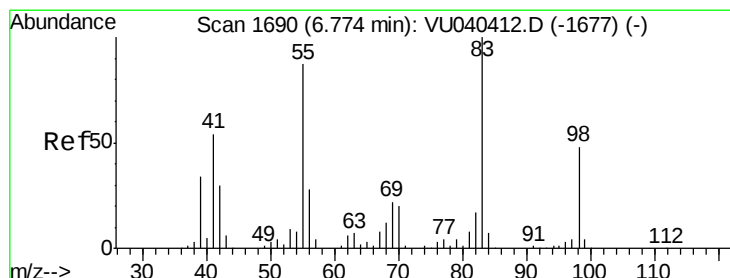
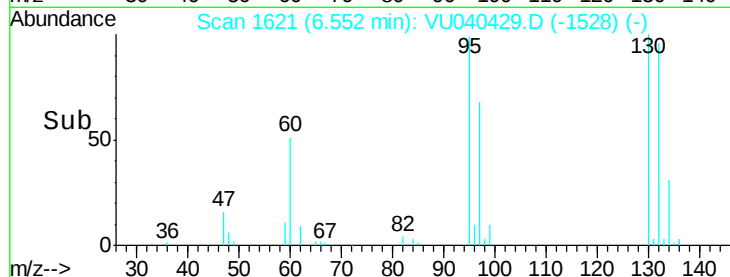
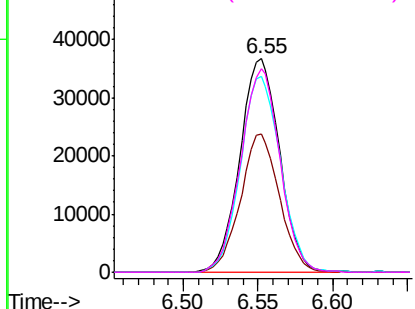
#34
 Trichloroethene
 Concen: 5.121 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion: 95 Resp: 68000
 Ion Ratio Lower Upper
 95 100
 97 64.9 46.3 85.9
 132 91.5 60.5 112.3
 130 95.3 64.3 119.3

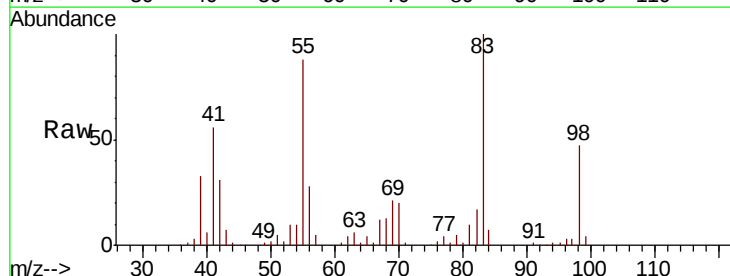


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

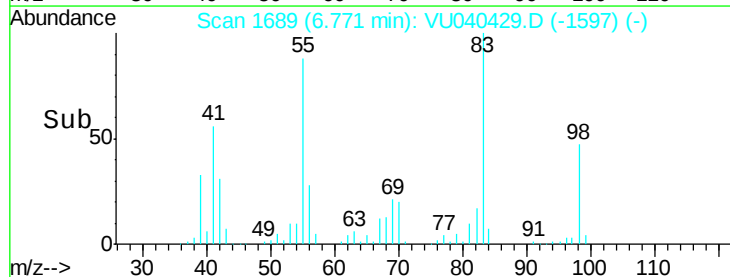
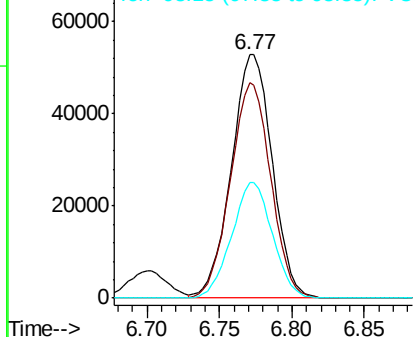


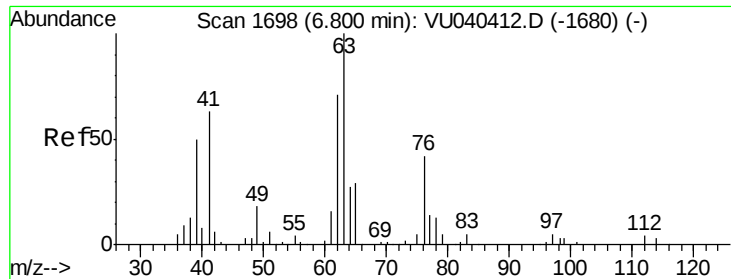
#35
 Methylcyclohexane
 Concen: 5.302 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 83 Resp: 103262
 Ion Ratio Lower Upper
 83 100
 55 87.4 71.4 107.2
 98 47.4 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

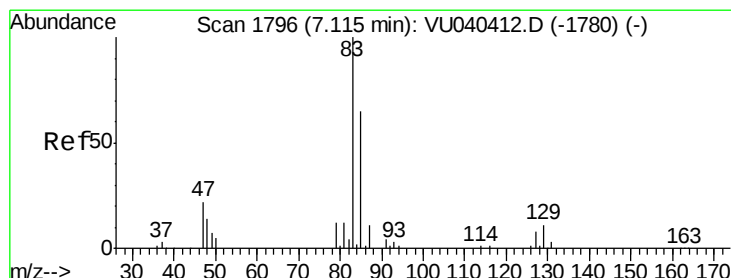
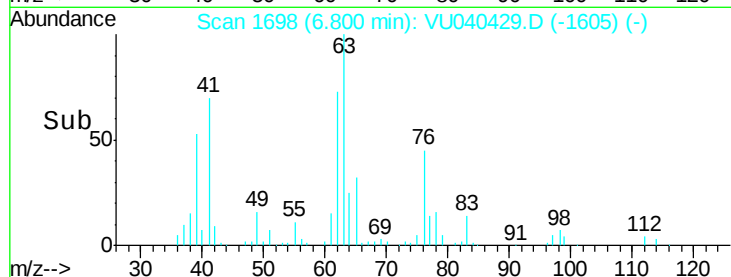
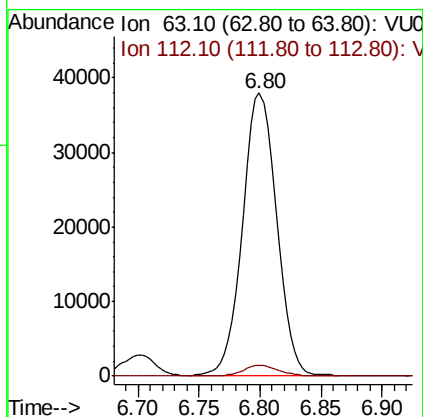
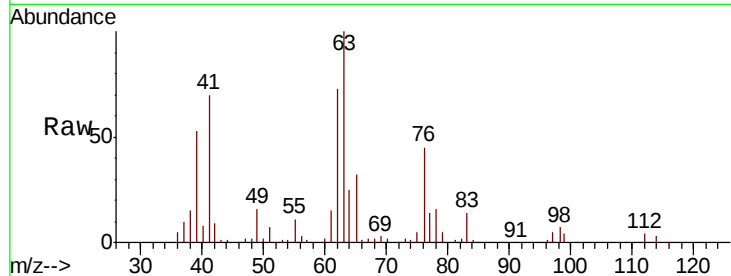




#37
 1,2-Dichloropropane
 Concen: 5.276 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

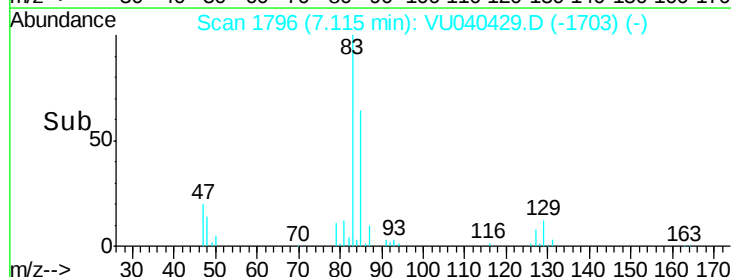
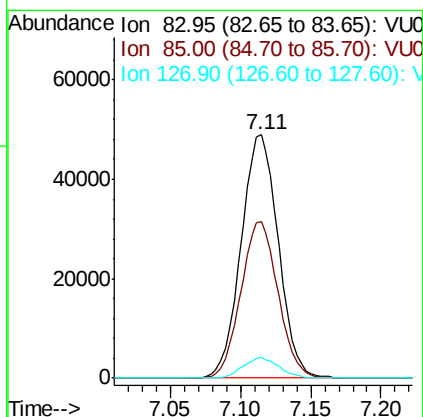
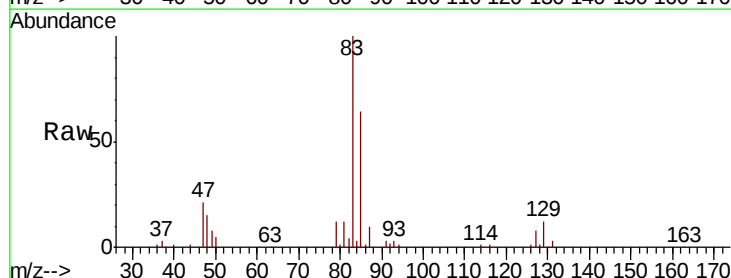
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

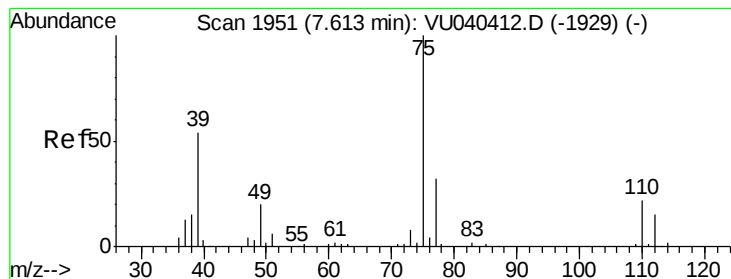
Tot Ion: 63 Resp: 73504
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.256 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 83 Resp: 90403
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.9
 127 8.4 6.6 9.8



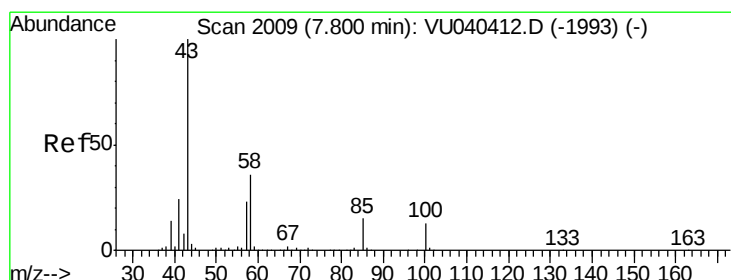
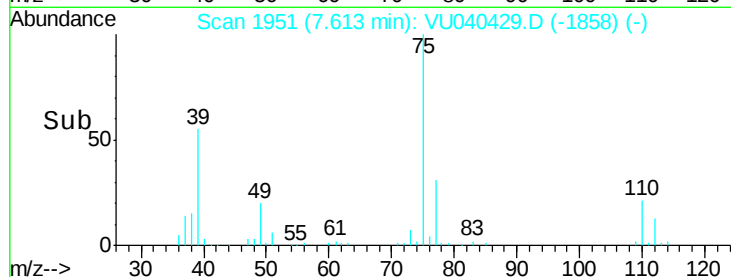
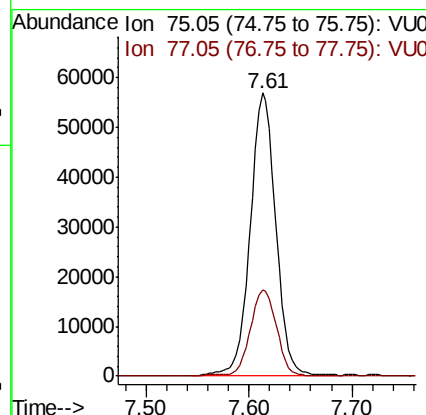
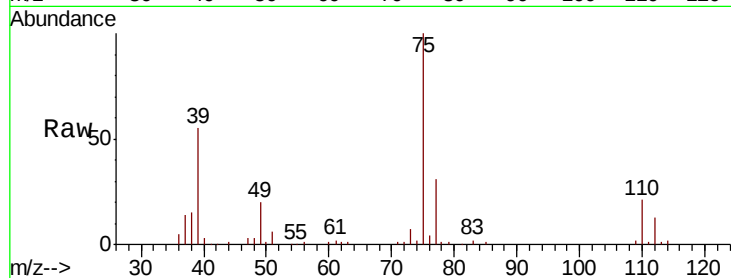


#39

cis-1,3-Dichloropropene
 Concen: 5.251 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

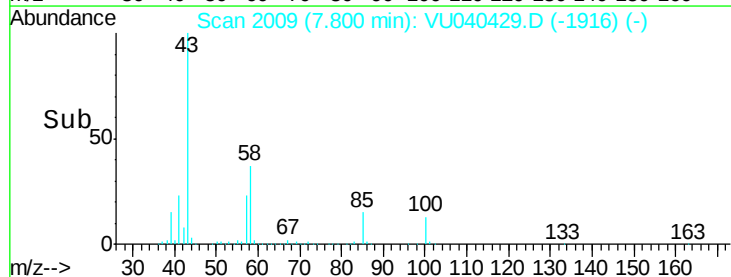
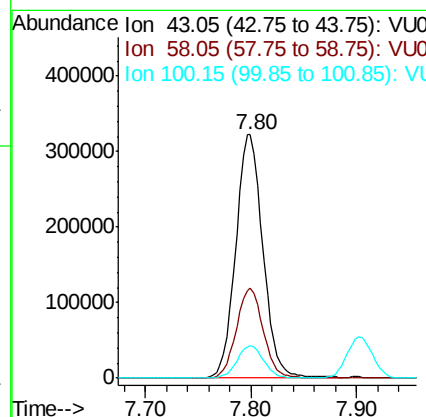
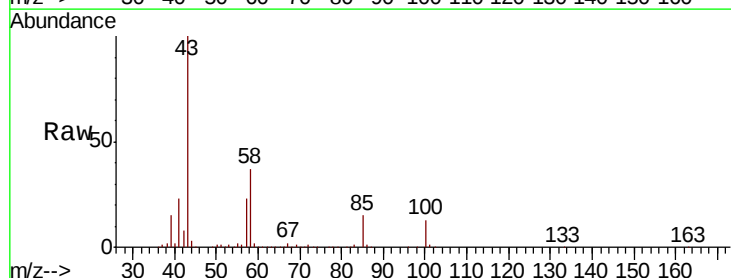
Tot Ion: 75 Resp: 98102
 Ion Ratio Lower Upper
 75 100
 77 30.7 23.5 43.7

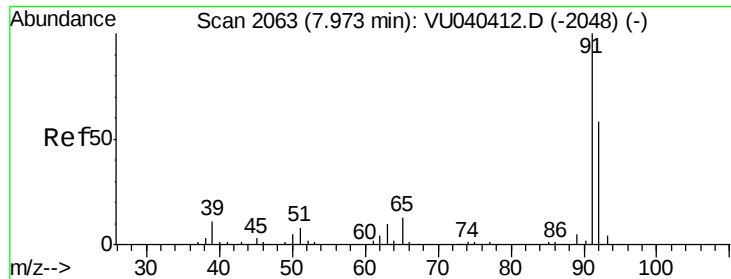


#40

4-Methyl-2-pentanone
 Concen: 52.651 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 43 Resp: 574375
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.2 43.8
 100 13.1 10.3 15.5





#42

Toluene

Concen: 5.435 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

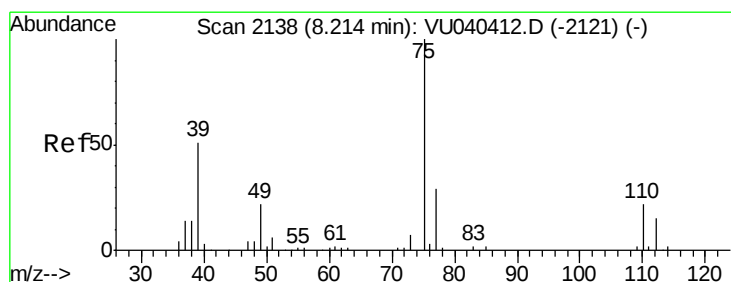
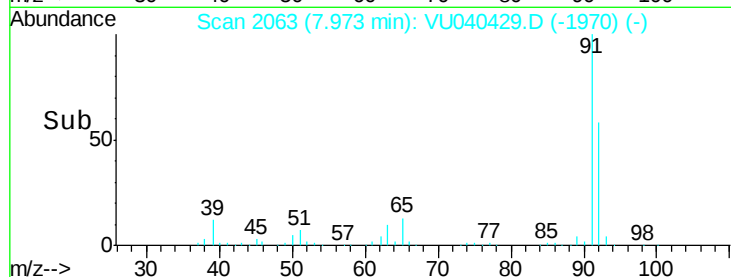
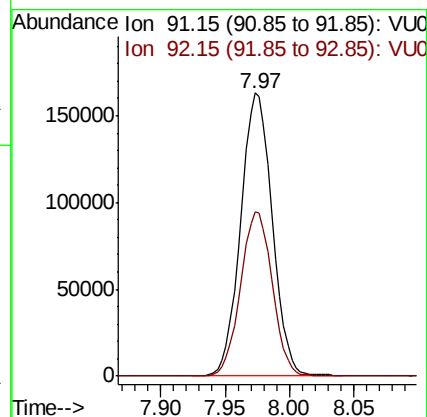
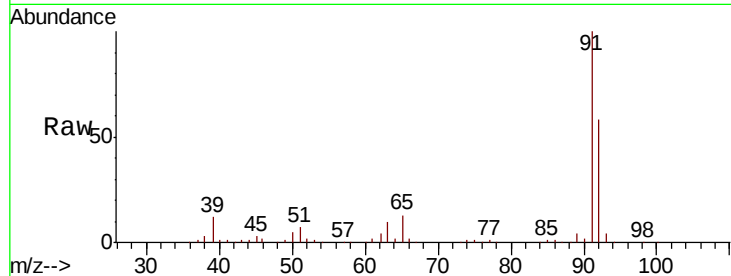
VSTD00529

Tot Ion: 91 Resp: 278762

Ion Ratio Lower Upper

91 100

92 58.0 40.0 74.4



#44

trans-1,3-Dichloropropene

Concen: 5.281 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040429.D

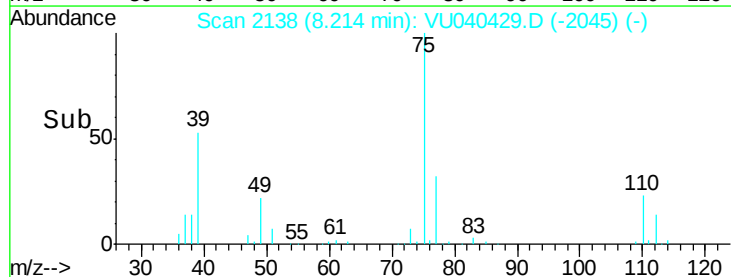
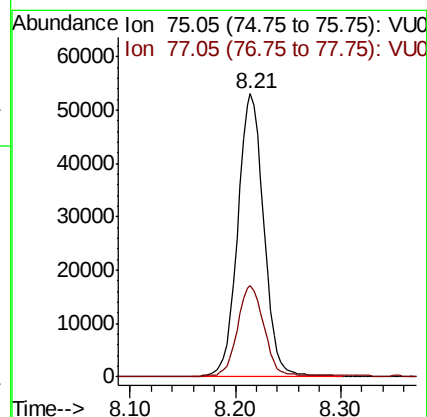
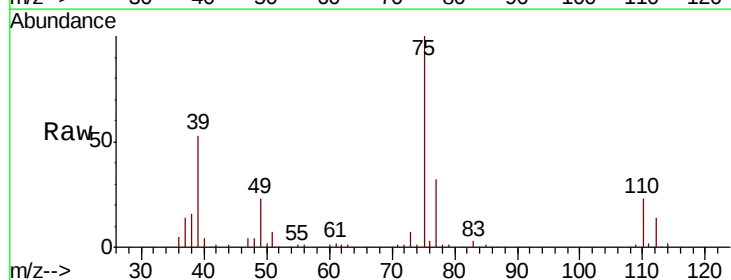
Acq: 01 Oct 2020 18:37

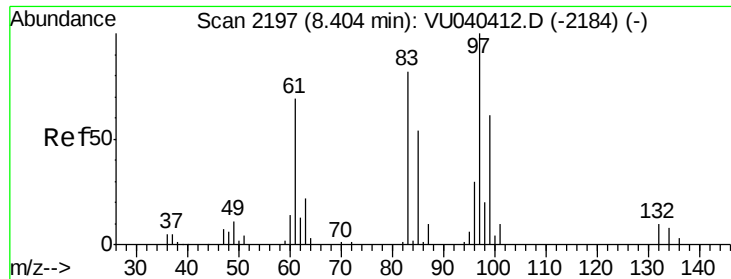
Tgt Ion: 75 Resp: 90963

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.3

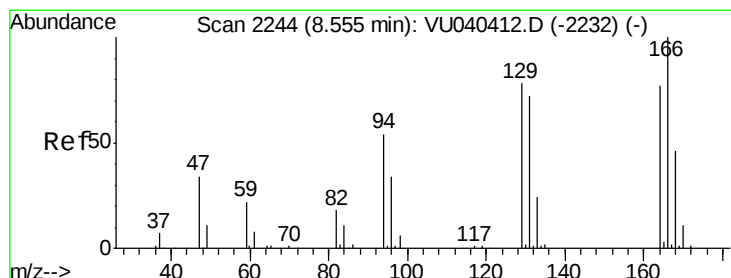
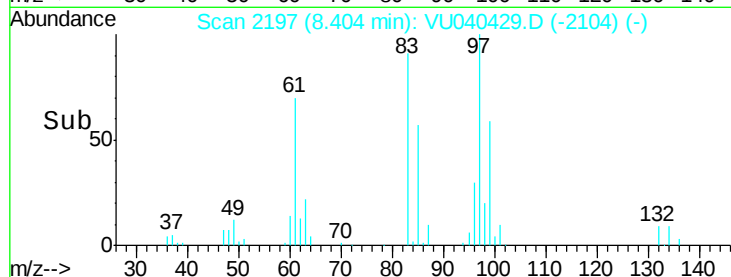
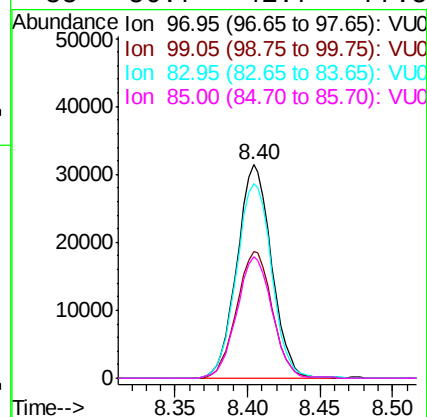
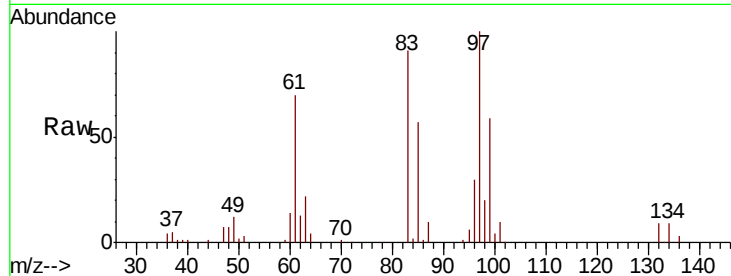




#45
 1,1,2-Trichloroethane
 Concen: 5.341 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

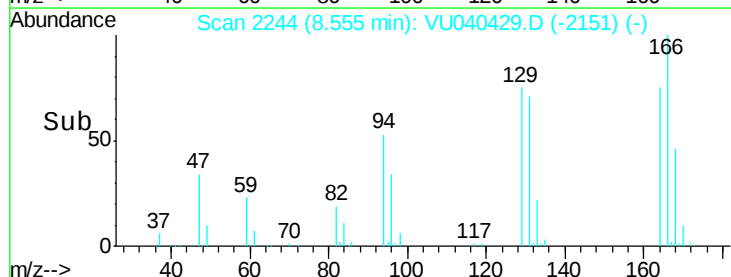
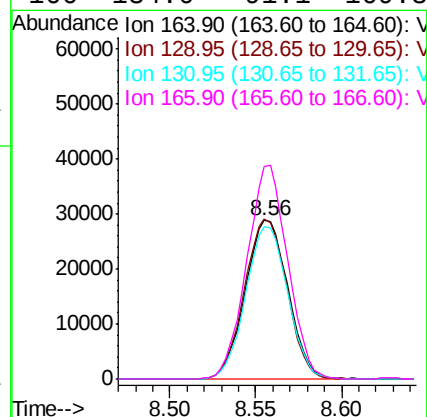
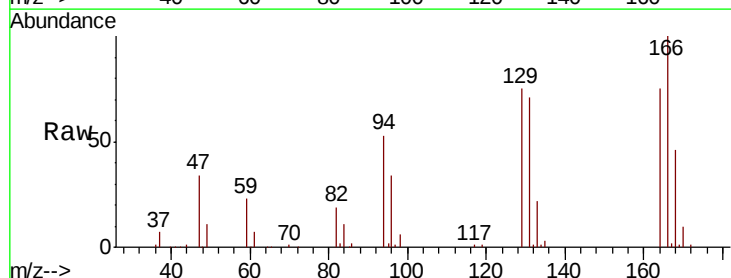
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

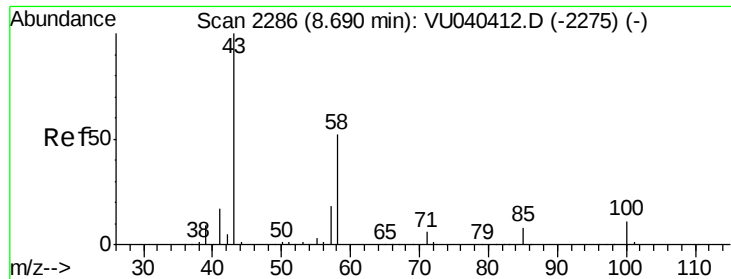
Tot Ion:	97	Resp:	52159
Ion	Ratio	Lower	Upper
97	100		
99	59.1	45.8	85.0
83	91.1	62.9	116.9
85	56.7	41.7	77.5



#47
 Tetrachloroethene
 Concen: 5.254 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion:	164	Resp:	49542
Ion	Ratio	Lower	Upper
164	100		
129	101.1	70.3	130.7
131	95.8	69.2	128.6
166	134.0	91.1	169.3

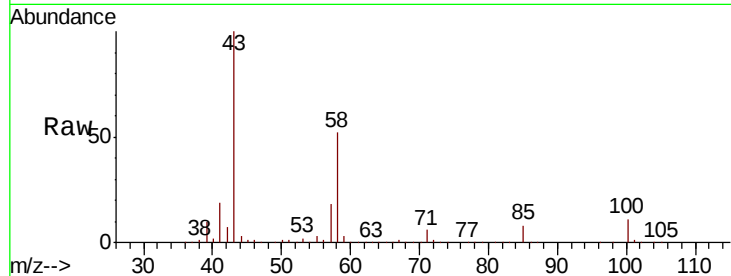




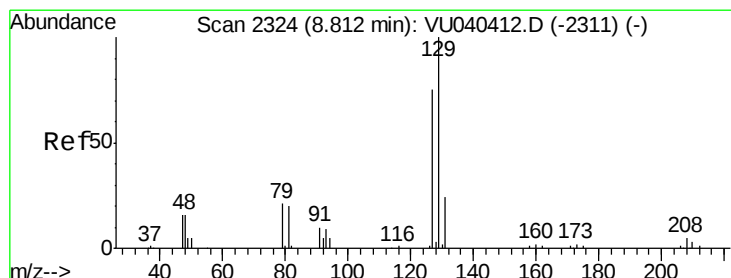
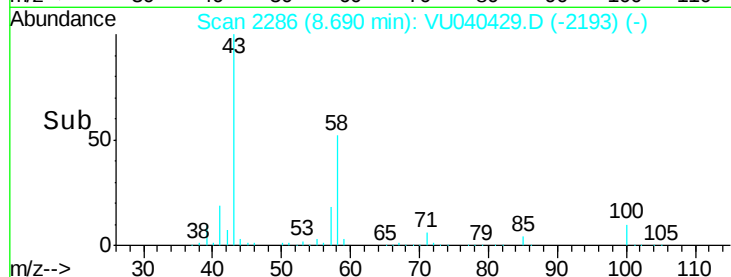
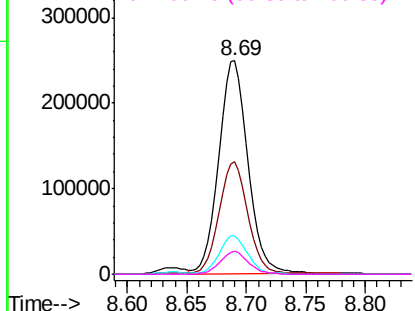
#48
2-Hexanone
Concen: 52.792 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion: 43 Resp: 424374
Ion Ratio Lower Upper
43 100
58 51.9 41.0 61.4
57 17.6 14.6 22.0
100 10.4 8.2 12.4

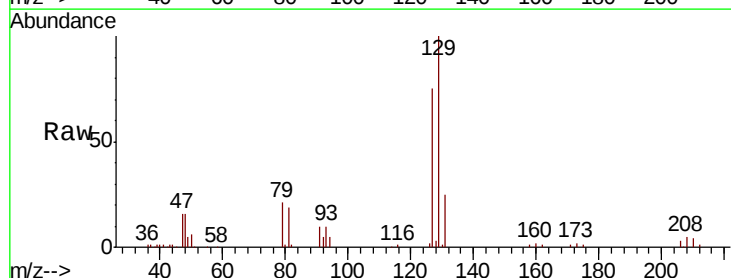


Abundance Ion 43.05 (42.75 to 43.75): VU040429.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040429.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040429.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040429.D (-2193) (-)

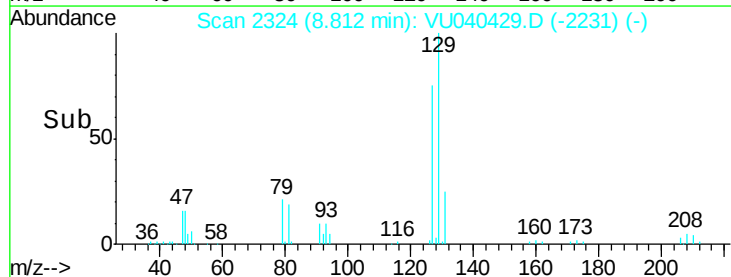
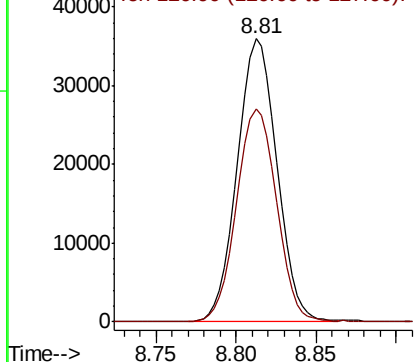


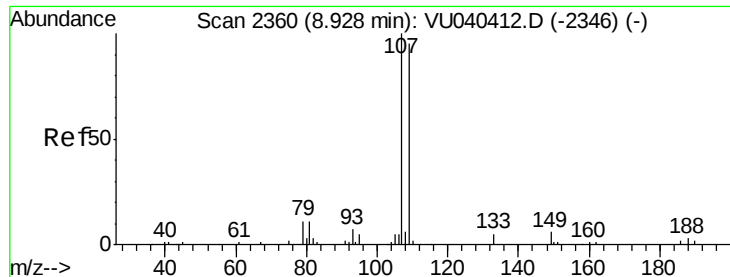
#49
Dibromochloromethane
Concen: 5.368 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Tgt Ion: 129 Resp: 60973
Ion Ratio Lower Upper
129 100
127 75.2 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040429.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040429.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 5.246 ug/L

RT: 8.92 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

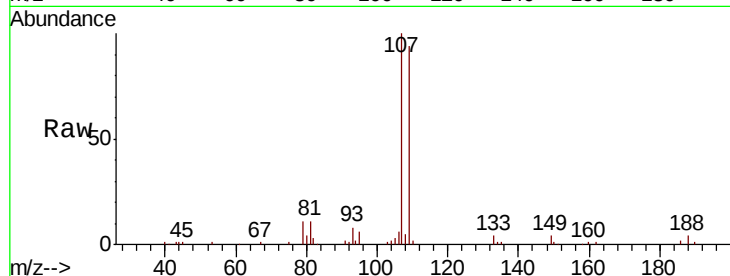
Tot Ion:107 Resp: 49142

Ion Ratio Lower Upper

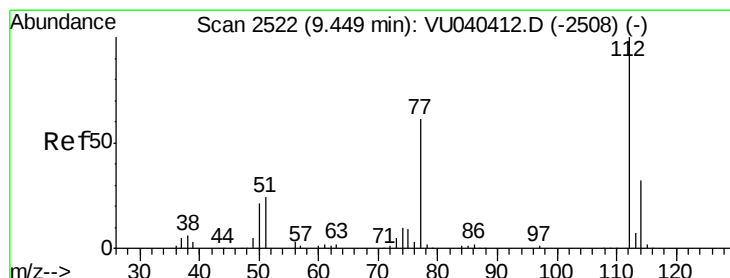
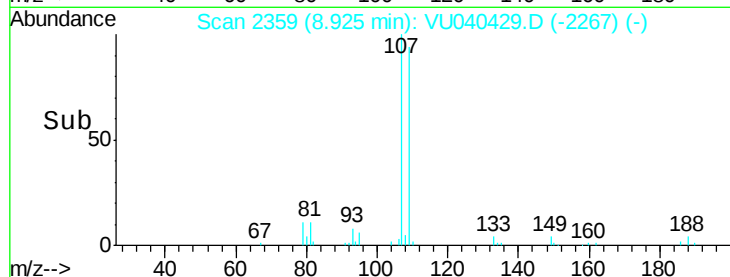
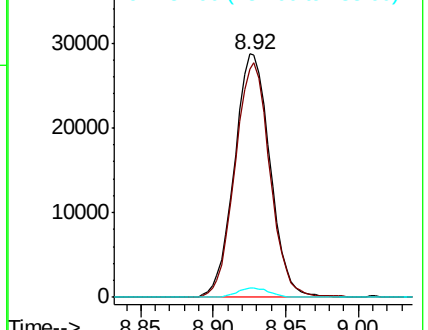
107 100

109 94.0 69.4 128.8

188 3.7 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: 5.261 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

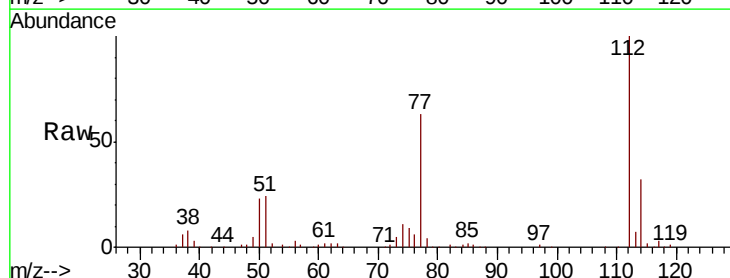
Tgt Ion:112 Resp: 174456

Ion Ratio Lower Upper

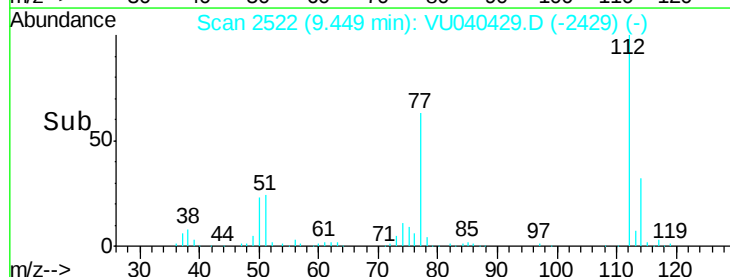
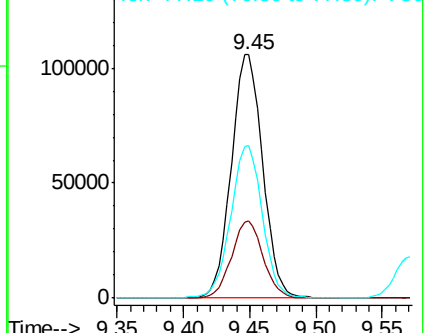
112 100

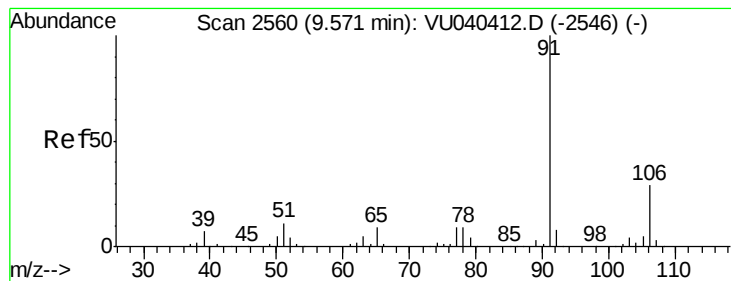
114 31.8 22.0 40.8

77 62.7 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: 5.398 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

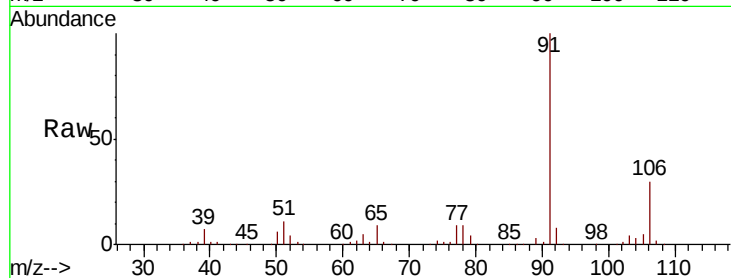
VSTD00529

Tot Ion: 91 Resp: 300471

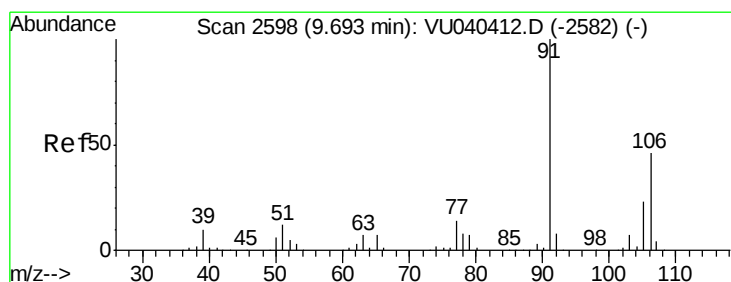
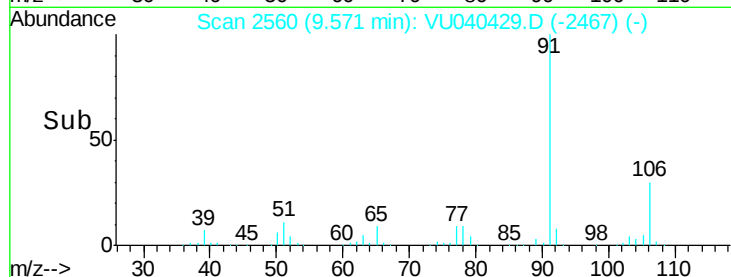
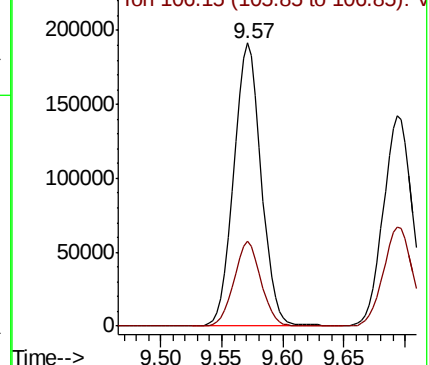
Ion Ratio Lower Upper

91 100

106 29.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040429.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.393 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040429.D

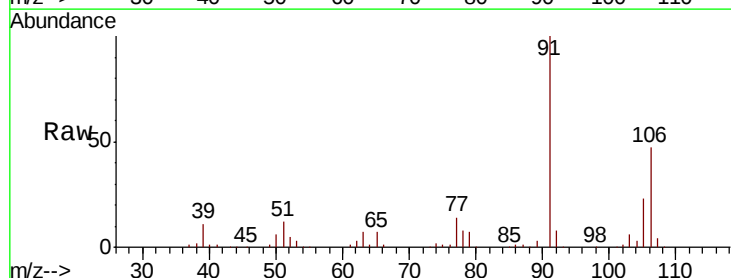
Acq: 01 Oct 2020 18:37

Tgt Ion: 106 Resp: 111831

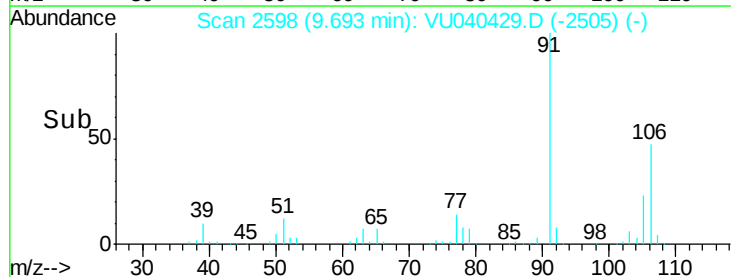
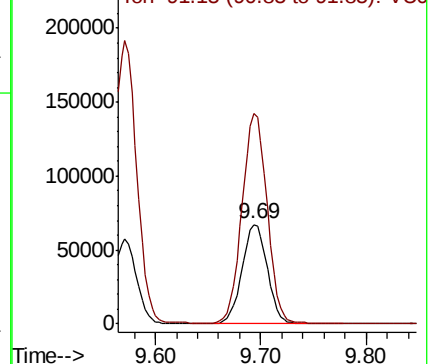
Ion Ratio Lower Upper

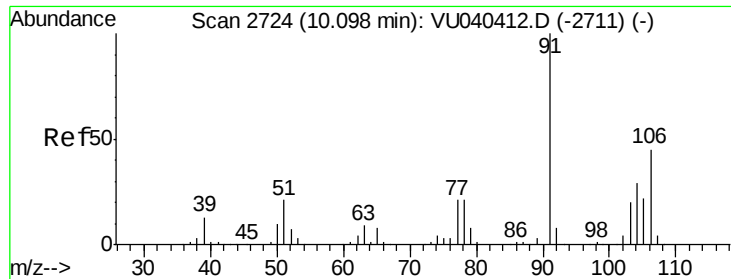
106 100

91 211.8 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040429.D (-2598) (-)

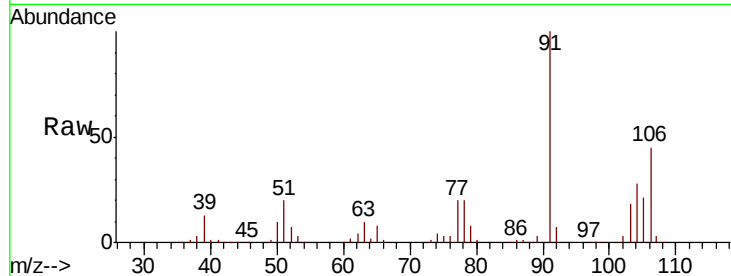




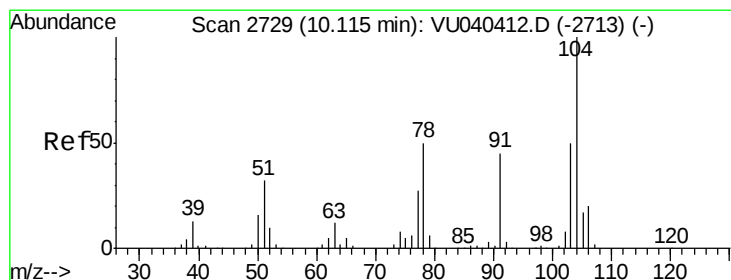
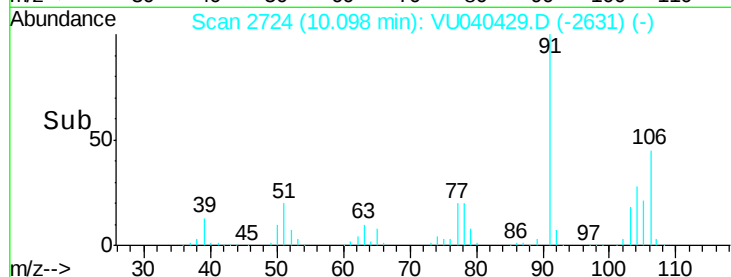
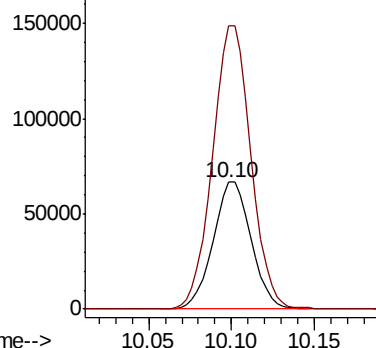
#54
o-Xylene
Concen: 5.458 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Instrument :
MSVOA_U
ClientSampleId :
VSTD00529

Tot Ion:106 Resp: 106470
Ion Ratio Lower Upper
106 100
91 222.9 160.9 298.9

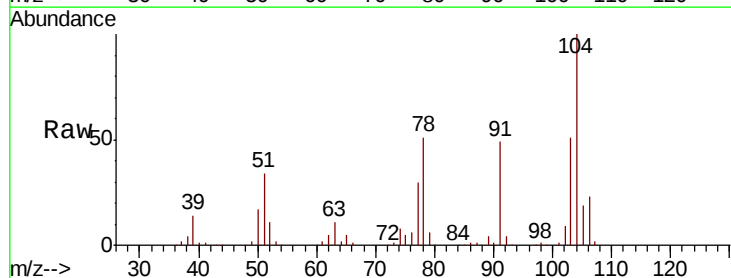


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

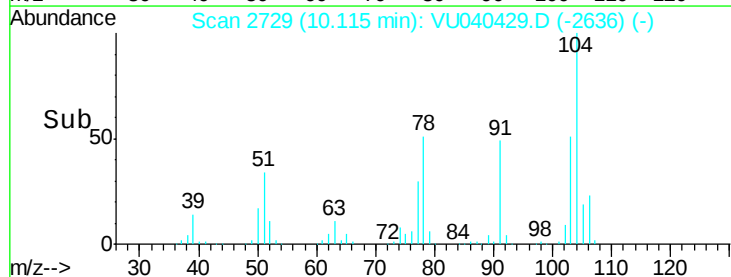
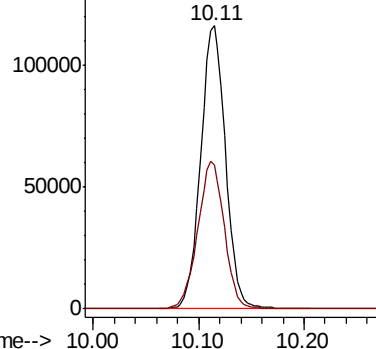


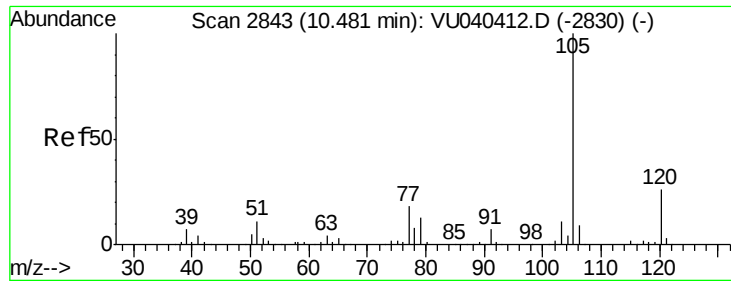
#55
Styrene
Concen: 5.566 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040429.D
Acq: 01 Oct 2020 18:37

Tgt Ion:104 Resp: 189372
Ion Ratio Lower Upper
104 100
78 50.8 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: 5.414 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

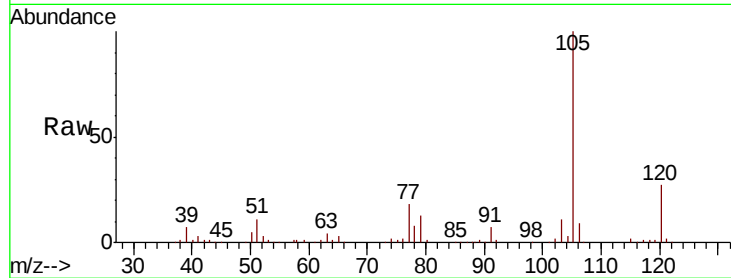
Tot Ion:105 Resp: 285014

Ion Ratio Lower Upper

105 100

120 26.1 20.6 30.8

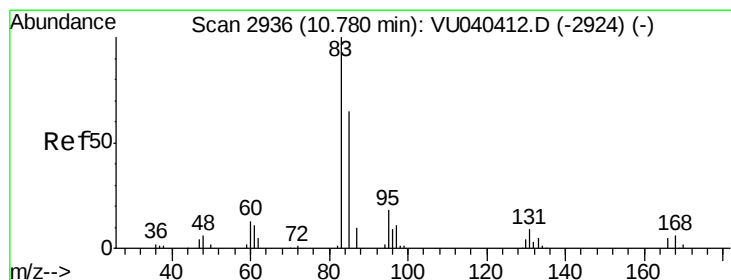
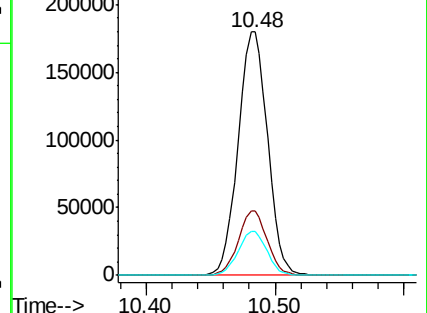
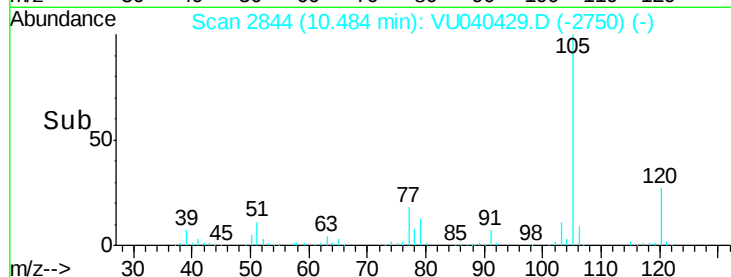
77 17.7 14.3 21.5



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: 4.973 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

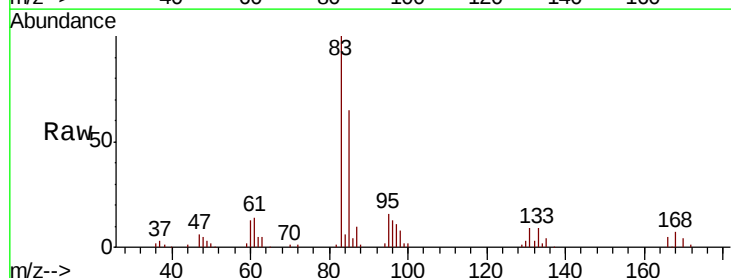
Tgt Ion: 83 Resp: 65819

Ion Ratio Lower Upper

83 100

85 65.0 45.1 83.9

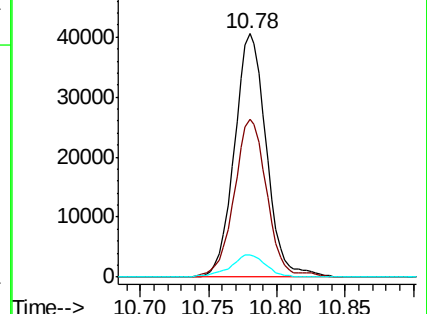
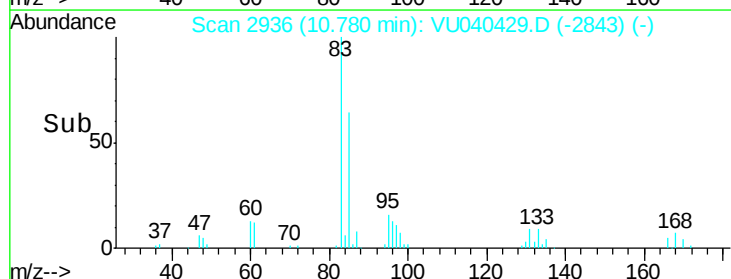
131 9.3 6.6 10.0

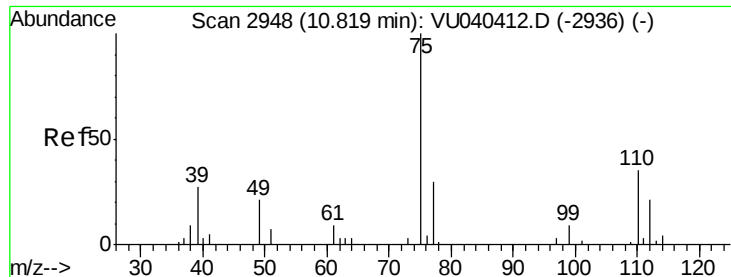


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

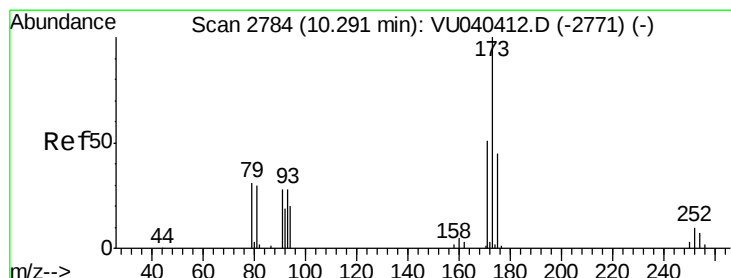
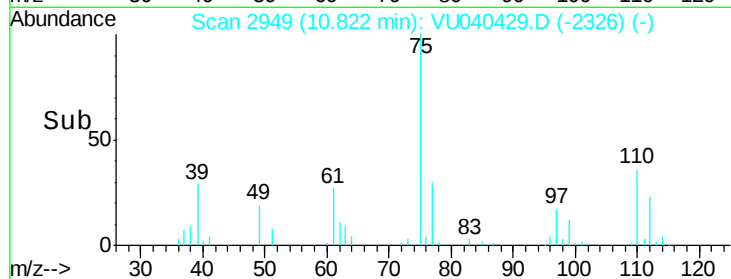
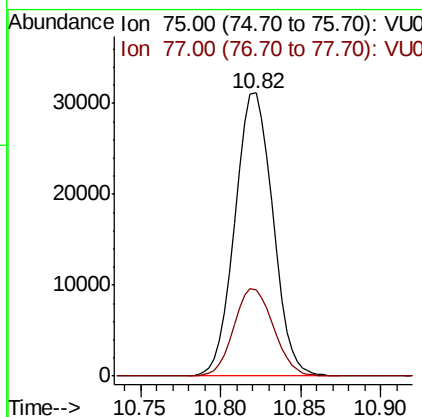
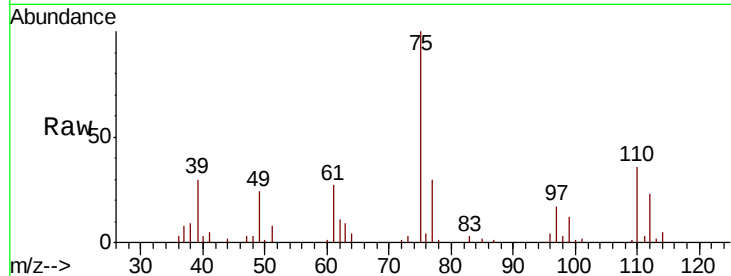




#59
 1,2,3-Trichloropropane
 Concen: 4.994 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

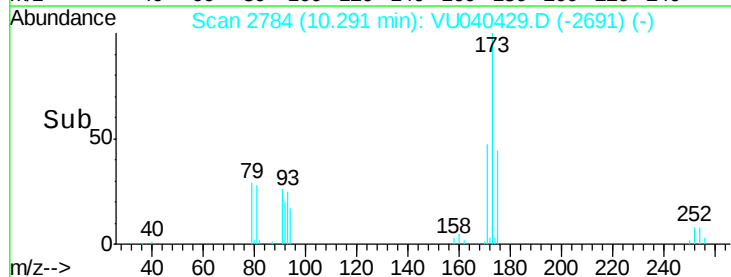
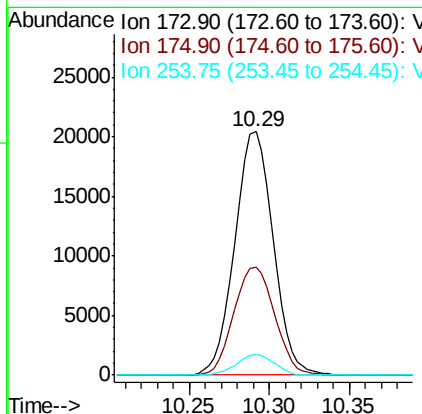
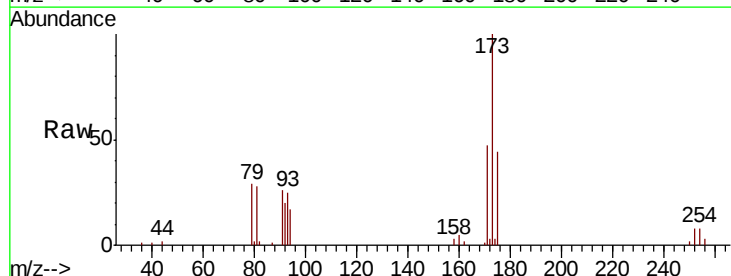
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

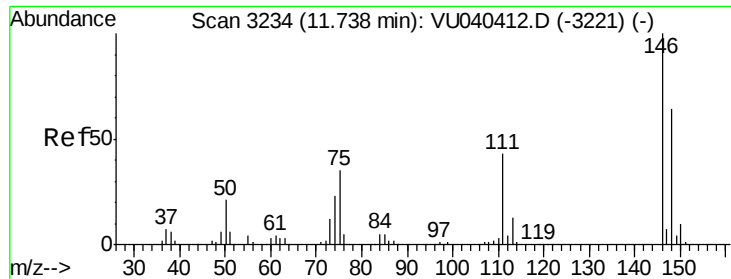
Tot Ion: 75 Resp: 50424
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5



#61
 Bromoform
 Concen: 5.205 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 173 Resp: 33362
 Ion Ratio Lower Upper
 173 100
 175 47.1 39.6 59.4
 254 8.2 7.0 10.4





#62

1,3-Dichlorobenzene

Concen: 5.409 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

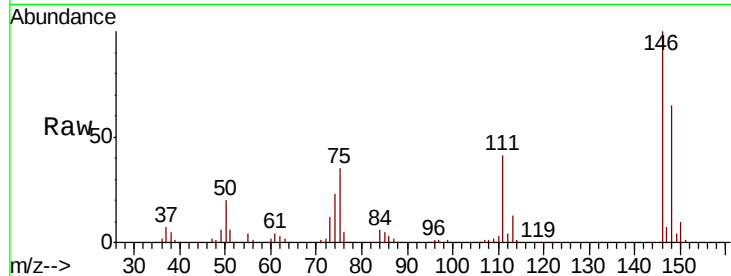
Tot Ion:146 Resp: 138902

Ion Ratio Lower Upper

146 100

111 41.1 28.6 53.0

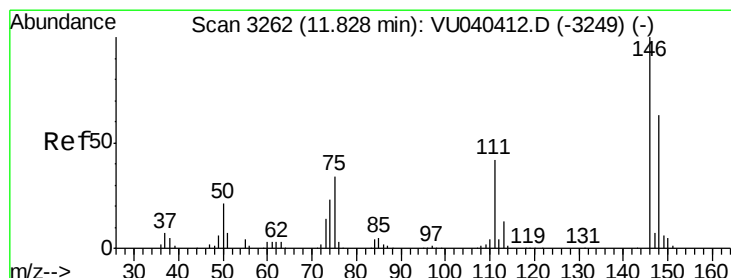
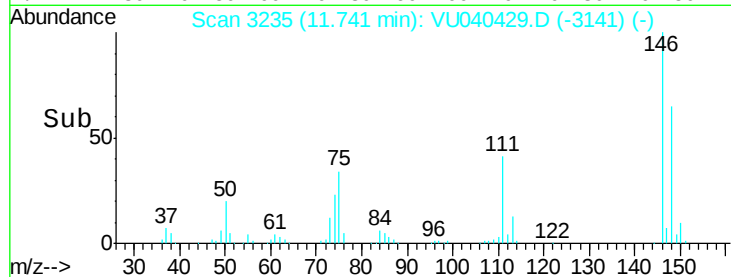
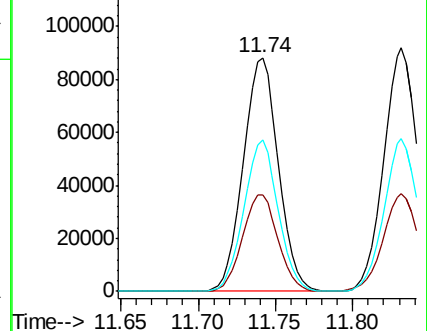
148 64.6 43.4 80.6



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: 5.296 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

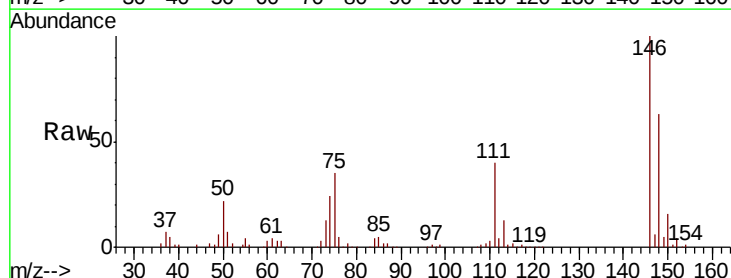
Tgt Ion:146 Resp: 141469

Ion Ratio Lower Upper

146 100

111 40.2 29.2 54.2

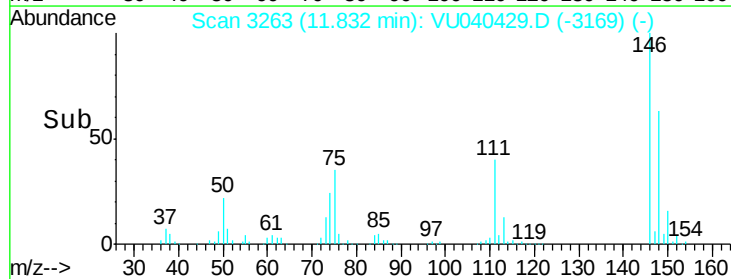
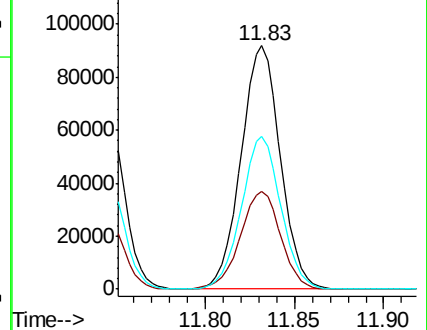
148 63.0 44.4 82.4

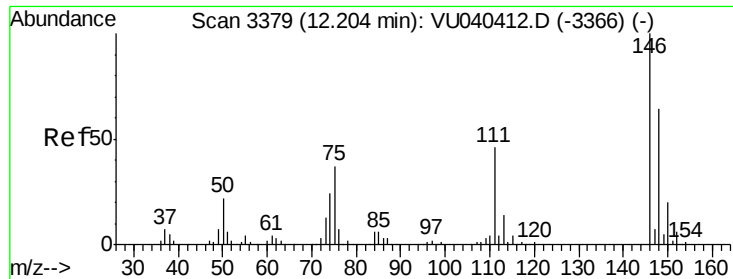


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

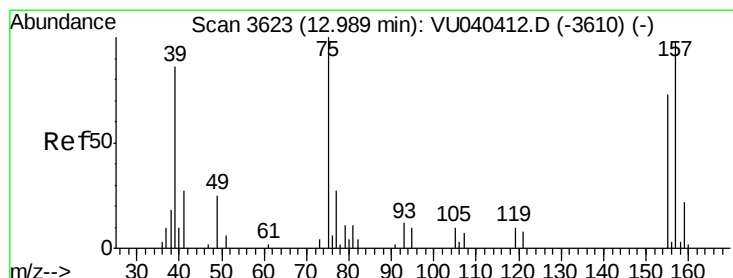
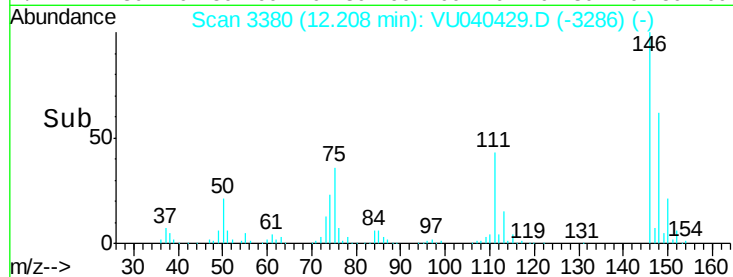
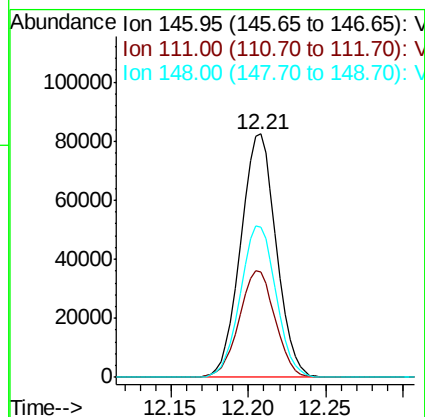
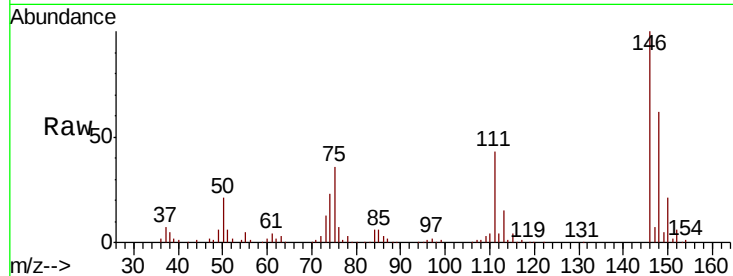




#65
 1,2-Dichlorobenzene
 Concen: 5.264 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

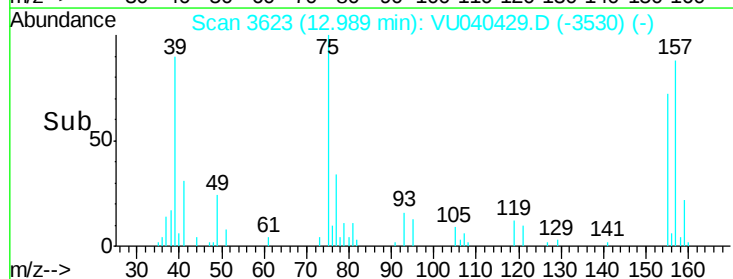
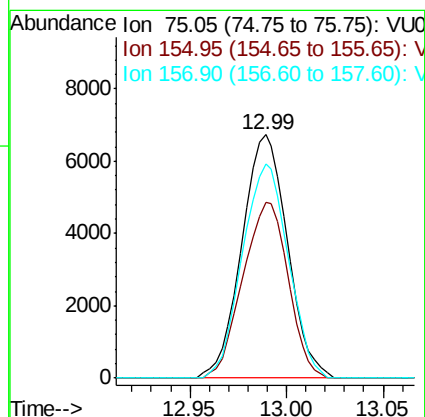
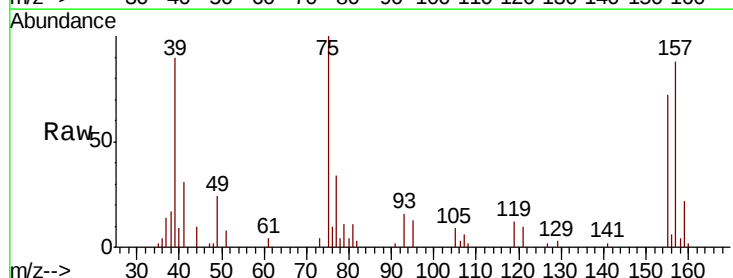
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

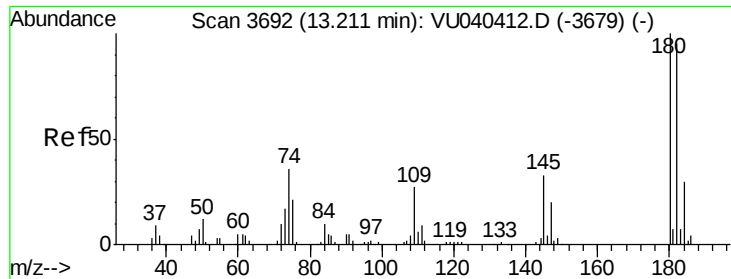
Tot Ion:146 Resp: 131414
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.6 53.4
 148 61.8 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.913 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion: 75 Resp: 11054
 Ion Ratio Lower Upper
 75 100
 155 72.3 59.4 89.2
 157 88.0 65.0 97.4

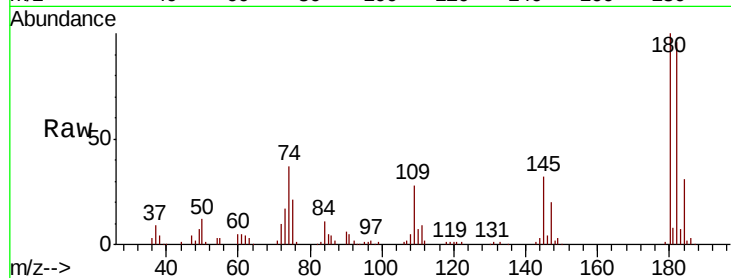




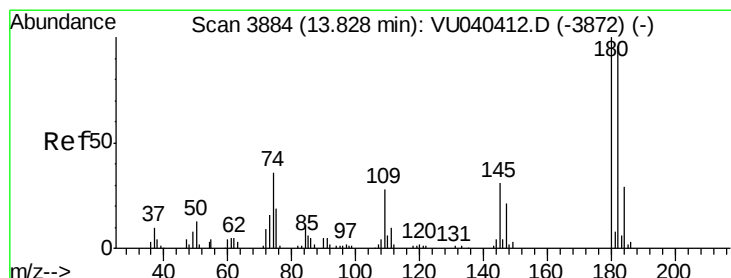
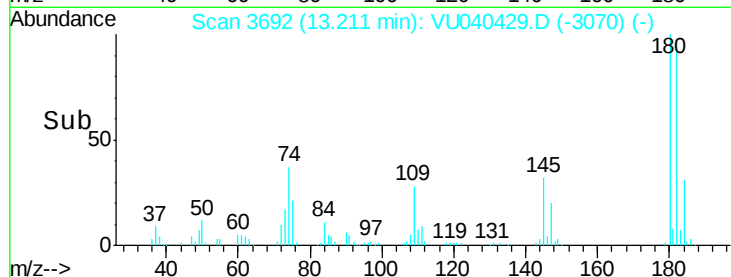
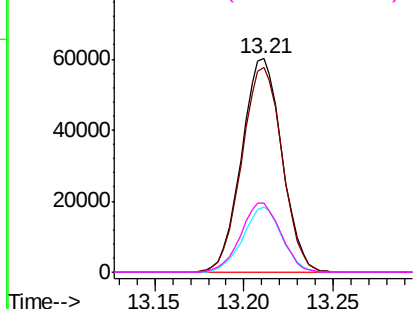
#67
 1,3,5-Trichlorobenzene
 Concen: 5.166 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00529

Tot Ion:180 Resp: 94706
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.5 114.7
 184 29.4 24.6 37.0
 145 32.3 25.8 38.8

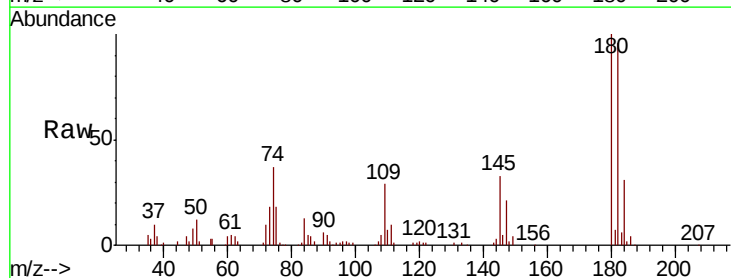


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

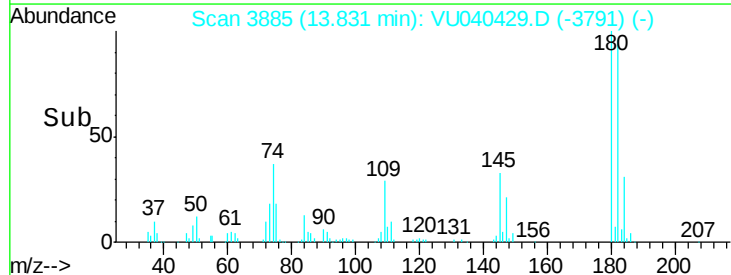
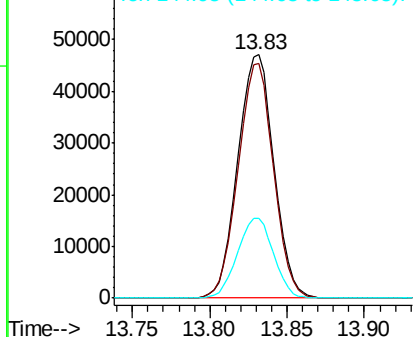


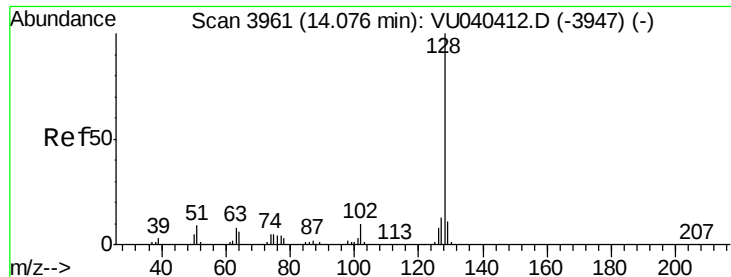
#68
 1,2,4-trichlorobenzene
 Concen: 5.189 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040429.D
 Acq: 01 Oct 2020 18:37

Tgt Ion:180 Resp: 76431
 Ion Ratio Lower Upper
 180 100
 182 94.4 76.6 115.0
 145 32.6 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: 5.017 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

VSTD00529

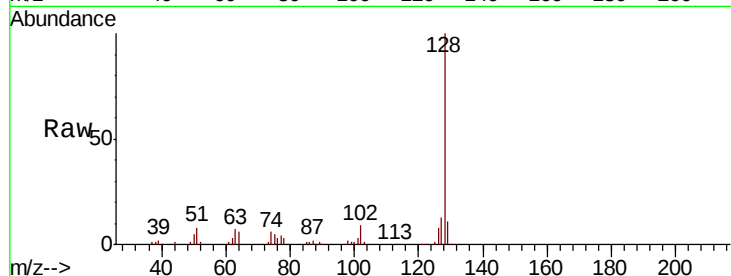
Tot Ion:128 Resp: 126295

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

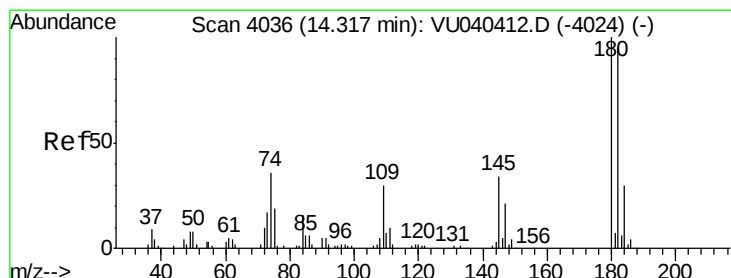
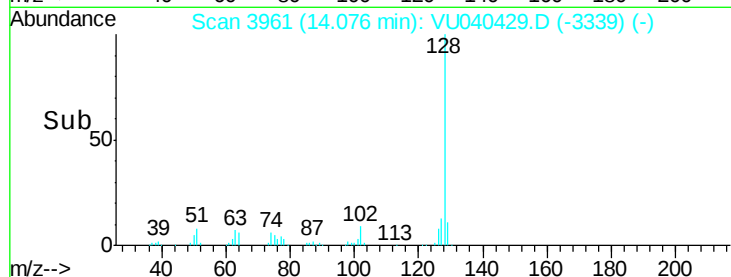
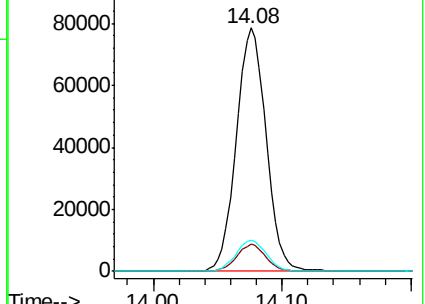
127 13.1 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.302 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU040429.D

Acq: 01 Oct 2020 18:37

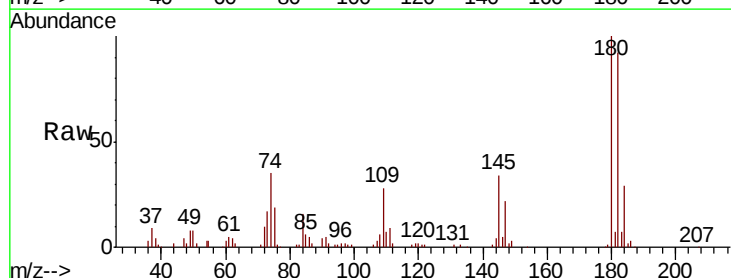
Tgt Ion:180 Resp: 71465

Ion Ratio Lower Upper

180 100

182 93.3 76.6 115.0

145 34.8 27.8 41.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

