

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100120\
 Data File : VU040412.D
 Acq On : 01 Oct 2020 09:42
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Quant Time: Oct 02 03:16:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 12:29:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	140385	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137032	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	72187	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30187	4.34	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.80%
7) Chloroethane-d5	1.92	69	29394	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.58	63	82848	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.20%
20) 2-Butanone-d5	4.66	46	176643	51.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.34%
24) Chloroform-d	5.08	84	79592	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.72	65	48728	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.74	84	136745	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	49439	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	7.90	98	118107	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	8.18	79	20422	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.64	63	126140	52.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47946	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	51160	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	73046	5.189	ug/L 100
3) Chloromethane	1.53	50	66308	4.803	ug/L 100
5) Vinyl chloride	1.61	62	69201	5.100	ug/L 99
6) Bromomethane	1.87	94	32496	4.924	ug/L 99
8) Chloroethane	1.94	64	43151	5.366	ug/L 96
9) Trichlorofluoromethane	2.15	101	94360	5.041	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	62249	5.208	ug/L 99
12) 1,1-Dichloroethene	2.59	96	56358	5.272	ug/L 95
13) Acetone	2.67	43	144083	50.084	ug/L 99
14) Carbon disulfide	2.81	76	168877	4.998	ug/L 99
15) Methyl Acetate	2.97	43	33464	4.830	ug/L 99
16) Methylene chloride	3.06	84	65021	4.842	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	152846	5.189	ug/L 98
18) trans-1,2-Dichloroethene	3.37	96	57105	5.166	ug/L 96
19) 1,1-Dichloroethane	3.89	63	117214	5.166	ug/L 99
21) 2-Butanone	4.74	43	245860	53.244	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	62184	5.085	ug/L 97

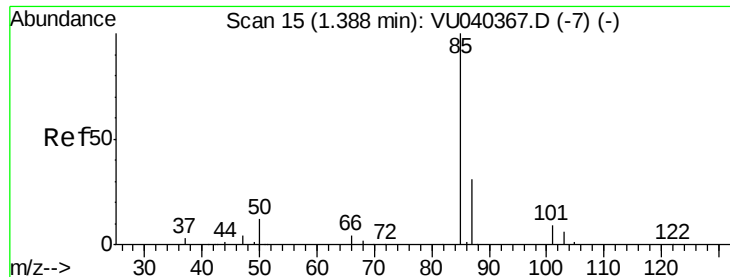
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100120\
 Data File : VU040412.D
 Acq On : 01 Oct 2020 09:42
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 01 12:29:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	29034	5.185	ug/L	98
25) Chloroform	5.11	83	120591	5.211	ug/L	96
27) 1,2-Dichloroethane	5.81	62	86617	5.405	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	99410	5.311	ug/L	98
30) Cyclohexane	5.40	56	102177	5.276	ug/L	99
31) Carbon tetrachloride	5.54	117	84558	5.268	ug/L	98
33) Benzene	5.79	78	250565	5.454	ug/L	100
34) Trichloroethene	6.55	95	62734	5.144	ug/L	95
35) Methylcyclohexane	6.77	83	96295	5.383	ug/L	99
37) 1,2-Dichloropropane	6.80	63	68052	5.319	ug/L	100
38) Bromodichloromethane	7.11	83	86121	5.451	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	93247	5.434	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	544727	54.367	ug/L	100
42) Toluene	7.97	91	255599	5.425	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	86638	5.476	ug/L	96
45) 1,1,2-Trichloroethane	8.40	97	47829	5.333	ug/L	93
47) Tetrachloroethene	8.56	164	45077	5.205	ug/L	98
48) 2-Hexanone	8.69	43	409817	55.508	ug/L	99
49) Dibromochloromethane	8.81	129	57210	5.483	ug/L	95
50) 1,2-Dibromoethane	8.93	107	46114	5.360	ug/L #	96
51) Chlorobenzene	9.45	112	159403	5.233	ug/L	100
52) Ethylbenzene	9.57	91	275351	5.386	ug/L	98
53) m,p-Xylene	9.69	106	102084	5.360	ug/L	97
54) o-Xylene	10.10	106	96448	5.383	ug/L	96
55) Styrene	10.11	104	175568	5.618	ug/L	99
56) Isopropylbenzene	10.48	105	264210	5.465	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	62051	5.105	ug/L	98
59) 1,2,3-Trichloropropane	10.82	75	47978	5.173	ug/L	99
61) Bromoform	10.29	173	31257	5.239	ug/L	96
62) 1,3-Dichlorobenzene	11.74	146	127879	5.351	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	129456	5.208	ug/L	100
65) 1,2-Dichlorobenzene	12.20	146	119019	5.123	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10376	4.955	ug/L #	89
67) 1,3,5-Trichlorobenzene	13.21	180	89115	5.223	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	71285	5.200	ug/L	99
69) Naphthalene	14.08	128	121175	5.172	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	67012	5.342	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.189 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

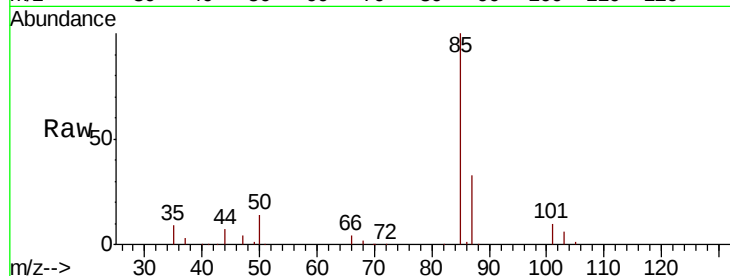
VSTD00528

Tot Ion: 85 Resp: 73046

Ion Ratio Lower Upper

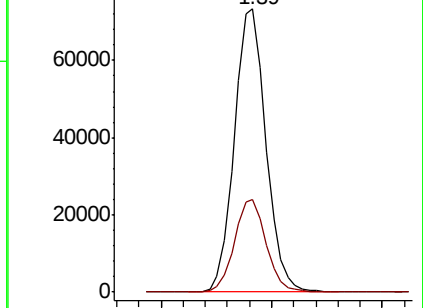
85 100

87 32.6 25.8 38.8

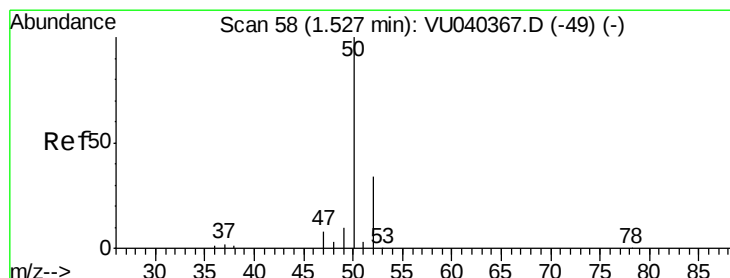
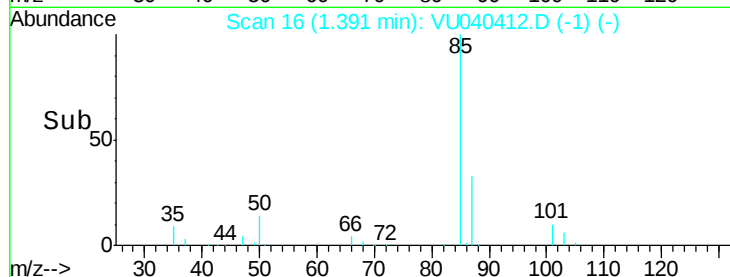


Abundance Ion 85.00 (84.70 to 85.70): VU040367.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040367.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 4.803 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040412.D

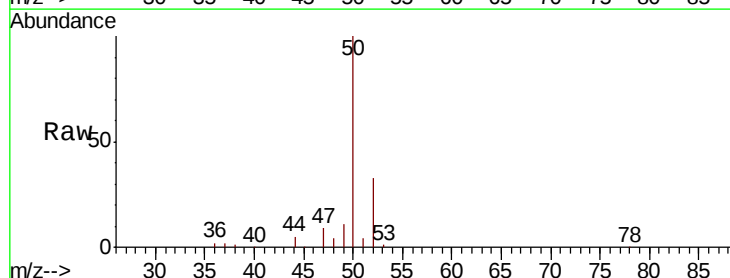
Acq: 01 Oct 2020 09:42

Tgt Ion: 50 Resp: 66308

Ion Ratio Lower Upper

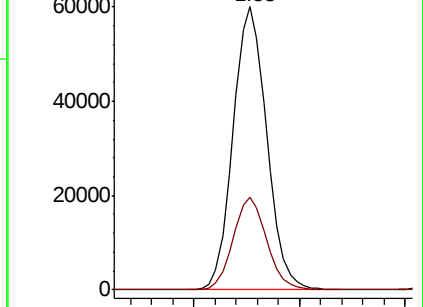
50 100

52 32.7 23.0 42.6

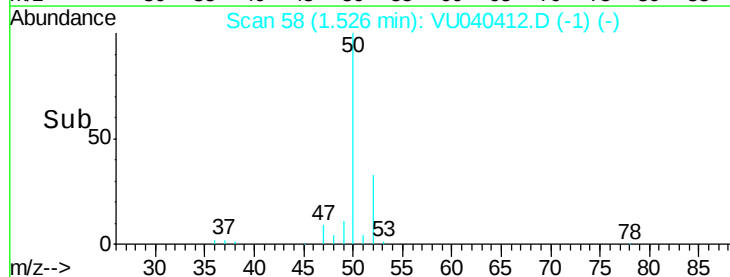


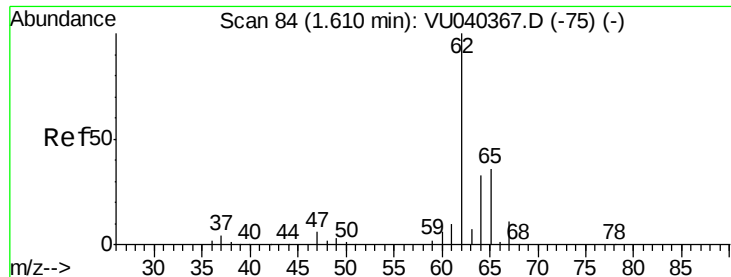
Abundance Ion 50.05 (49.75 to 50.75): VU040367.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040367.D (-49) (-)



Time-->





#5

Vinyl chloride

Concen: 5.100 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

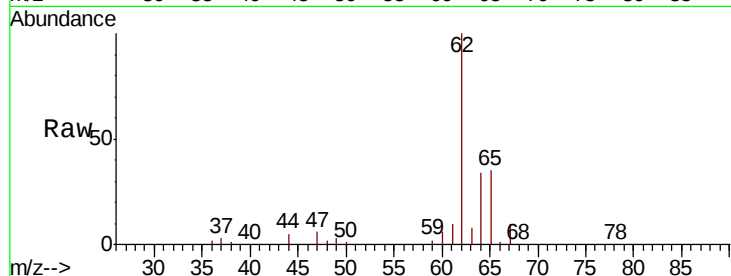
VSTD00528

Tot Ion: 62 Resp: 69201

Ion Ratio Lower Upper

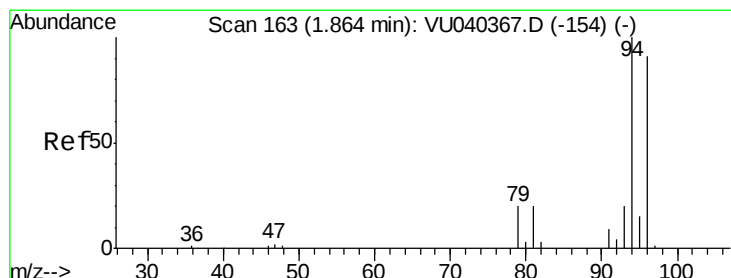
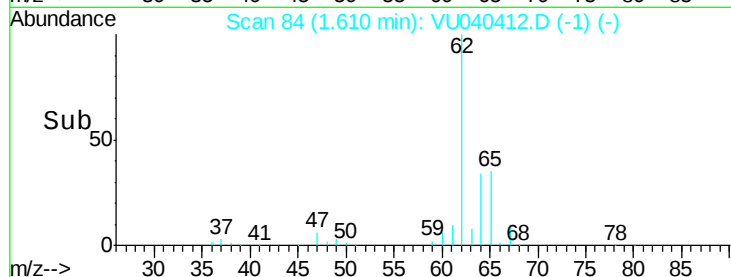
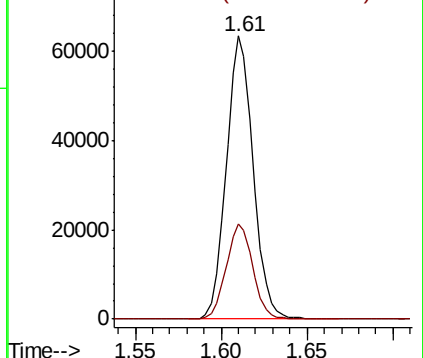
62 100

64 33.6 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.924 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040412.D

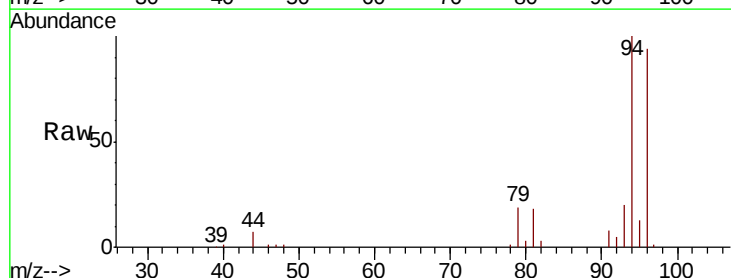
Acq: 01 Oct 2020 09:42

Tgt Ion: 94 Resp: 32496

Ion Ratio Lower Upper

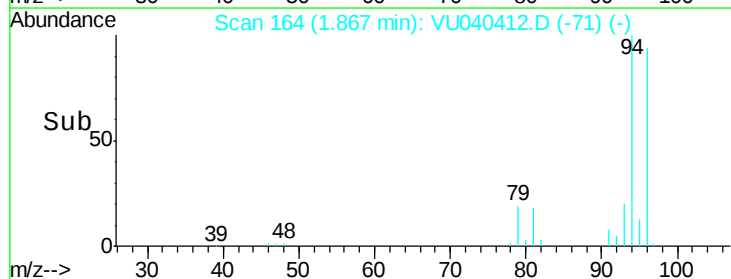
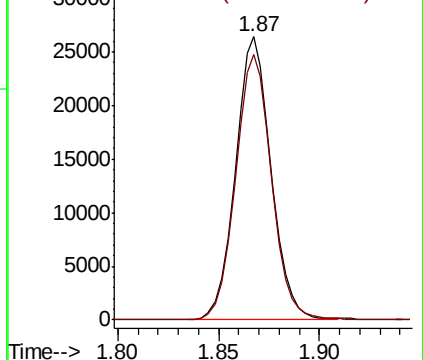
94 100

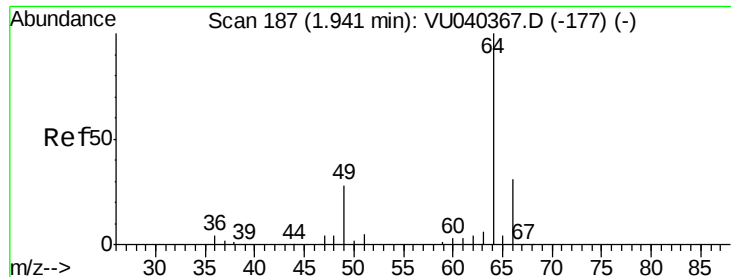
96 93.8 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 5.366 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

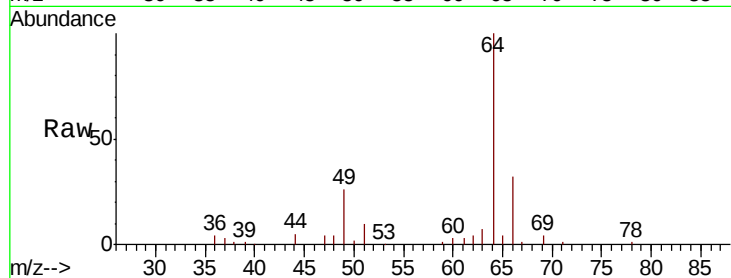
VSTD00528

Tot Ion: 64 Resp: 43151

Ion Ratio Lower Upper

64 100

66 32.4 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040367.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU040367.D (-177) (-)

1.94

30000

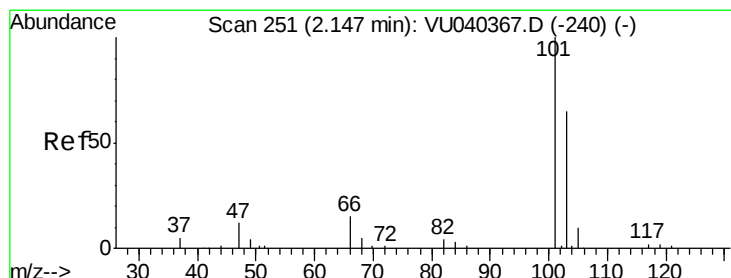
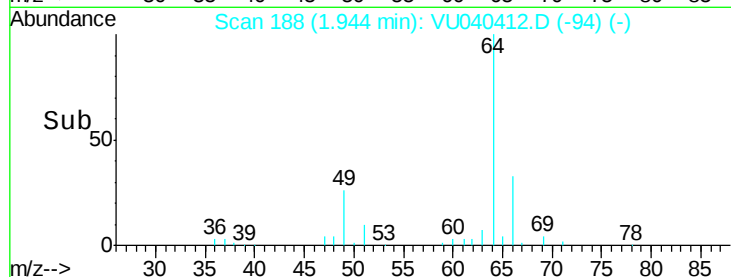
20000

10000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.041 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040412.D

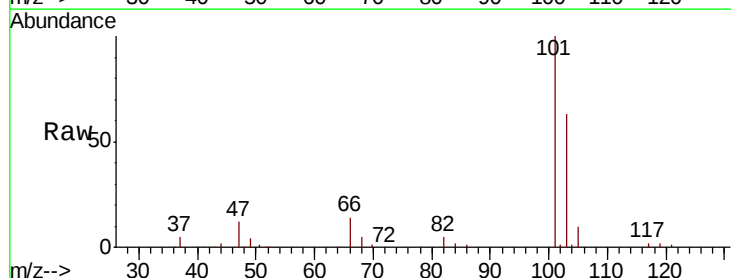
Acq: 01 Oct 2020 09:42

Tgt Ion: 101 Resp: 94360

Ion Ratio Lower Upper

101 100

103 64.6 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040367.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040367.D (-240) (-)

2.15

60000

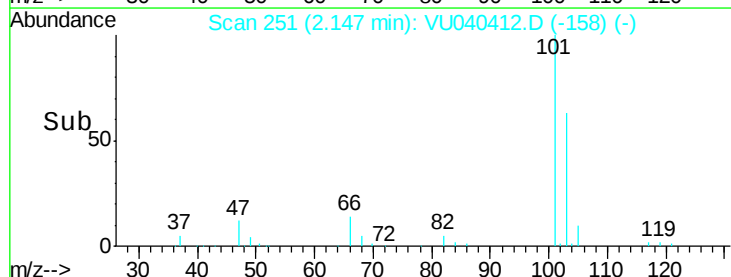
40000

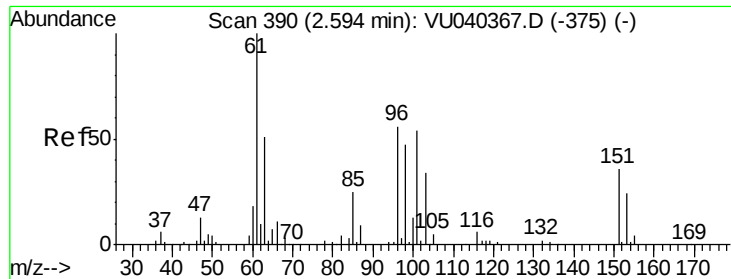
20000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.208 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

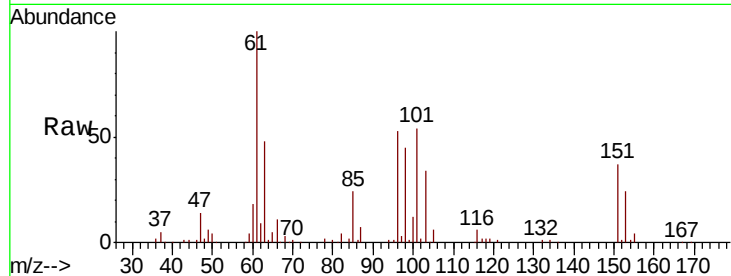
Tot Ion:101 Resp: 62249

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.6

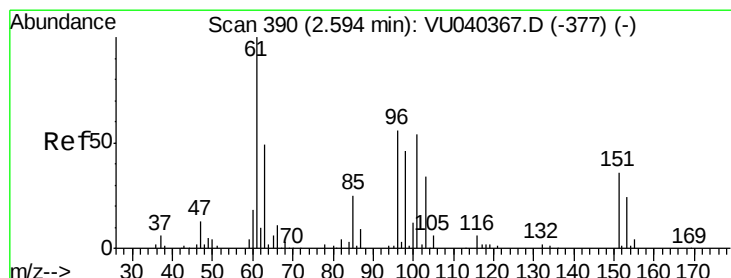
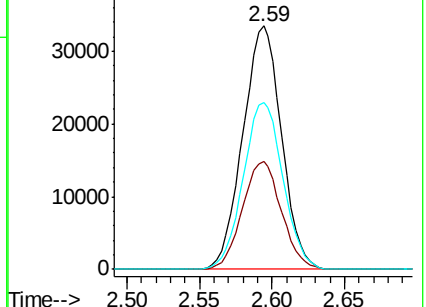
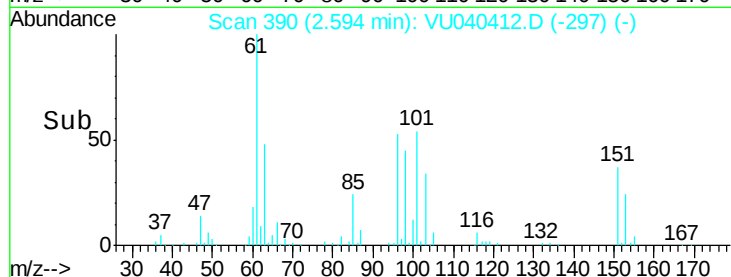
151 70.3 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): VU040412.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040412.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040412.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 5.272 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

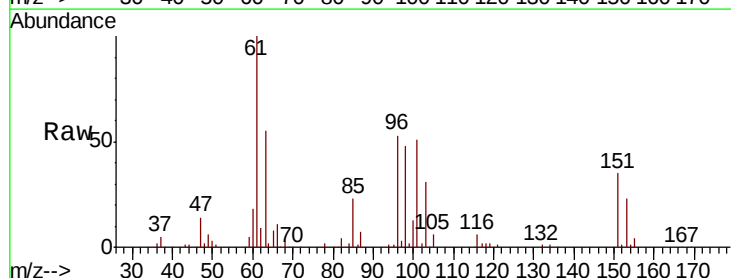
Tgt Ion: 96 Resp: 56358

Ion Ratio Lower Upper

96 100

61 188.8 128.6 238.8

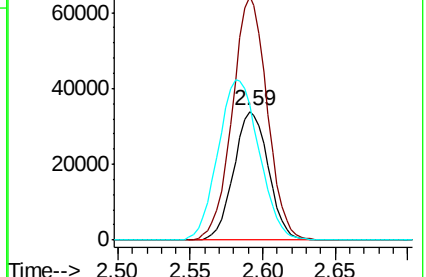
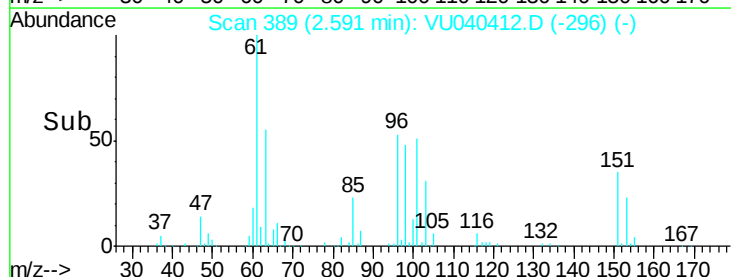
63 104.5 67.8 126.0

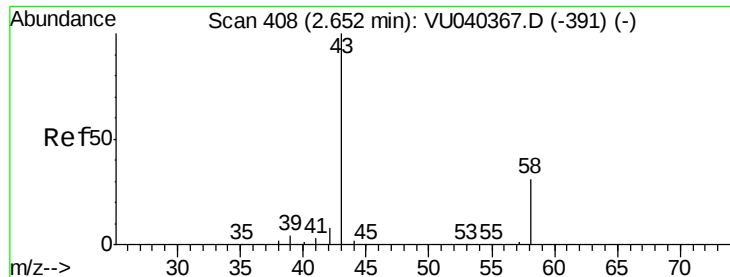


Abundance Ion 96.00 (95.70 to 96.70): VU040412.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU040412.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU040412.D (-296) (-)





#13

Acetone

Concen: 50.084 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.02 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

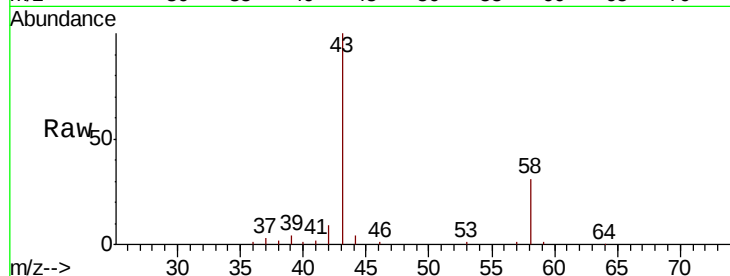
VSTD00528

Tot Ion: 43 Resp: 144083

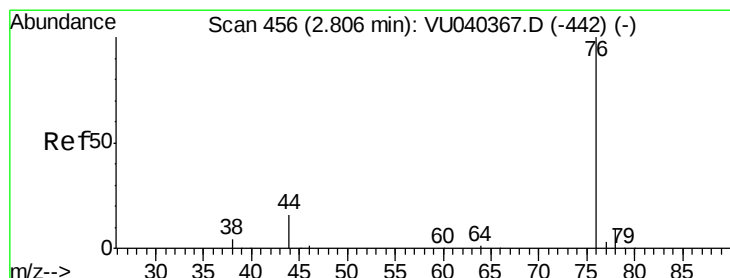
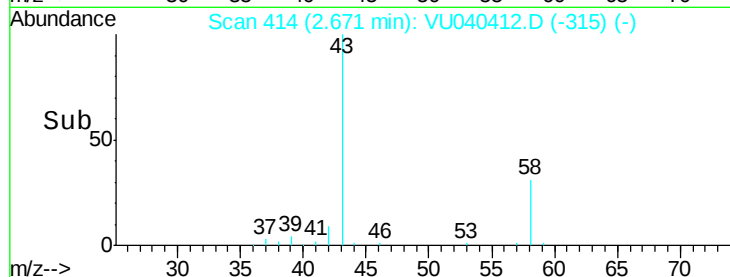
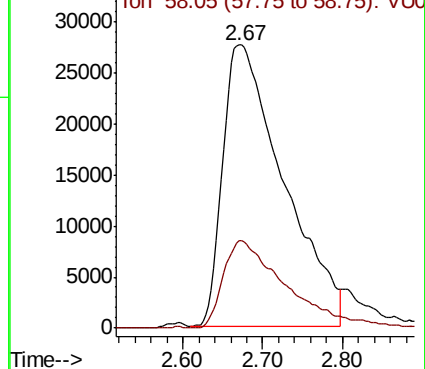
Ion Ratio Lower Upper

43 100

58 31.4 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040412.D (-315) (-)



#14

Carbon disulfide

Concen: 4.998 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040412.D

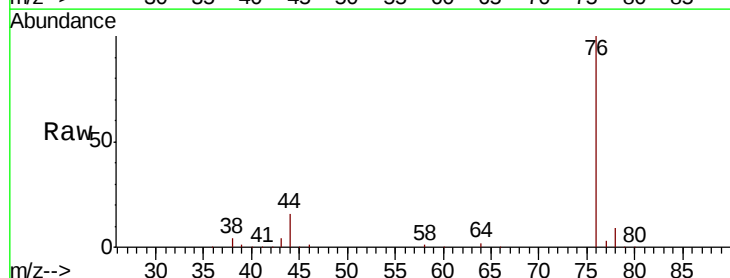
Acq: 01 Oct 2020 09:42

Tgt Ion: 76 Resp: 168877

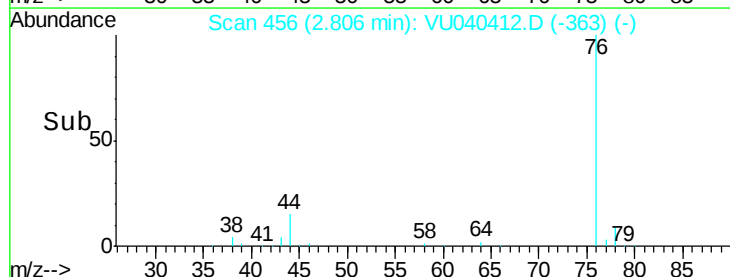
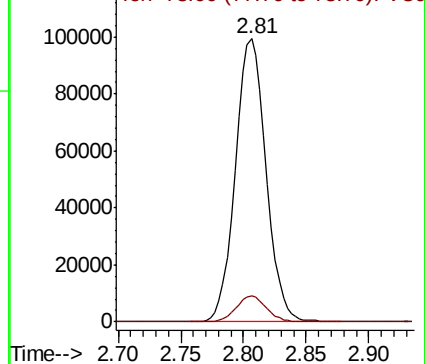
Ion Ratio Lower Upper

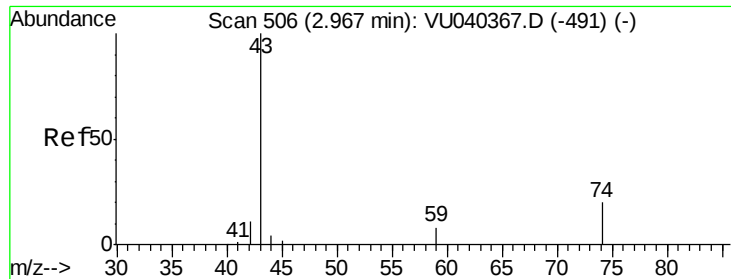
76 100

78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040412.D (-363) (-)

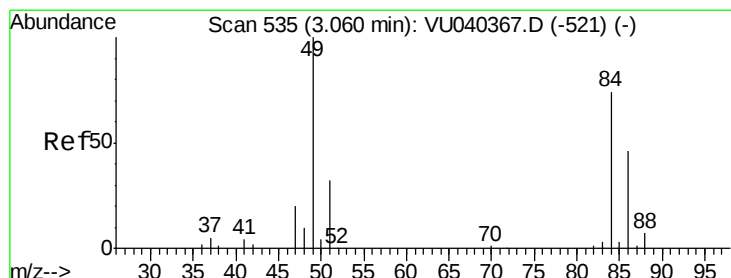
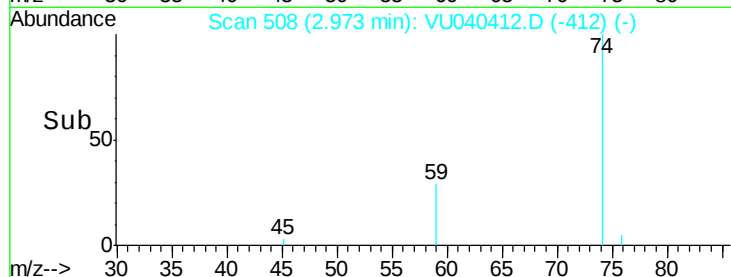
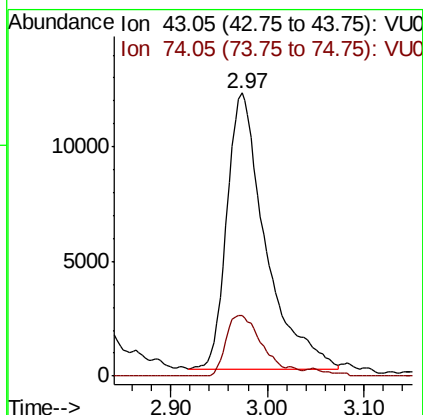
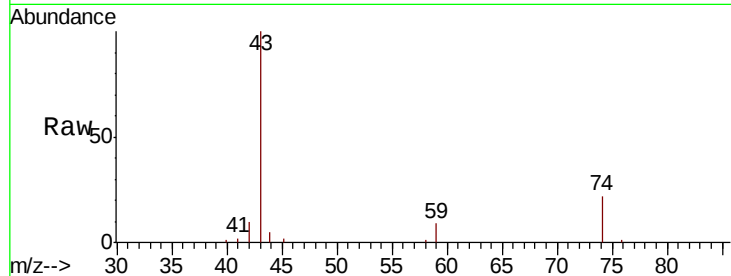




#15
Methvl Acetate
Concen: 4.830 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.01 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

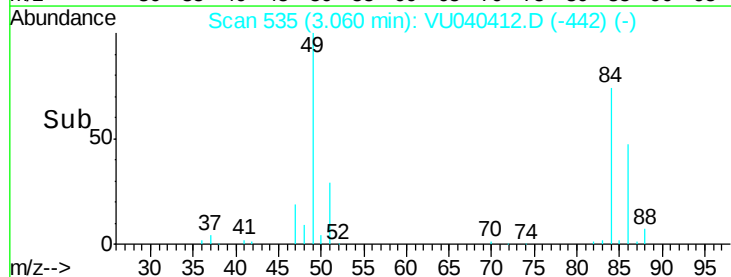
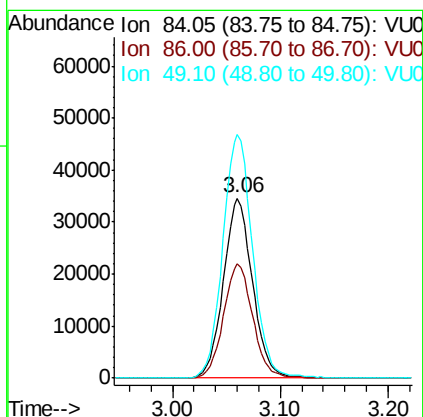
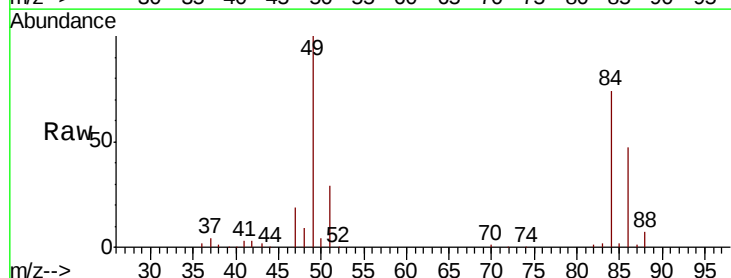
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

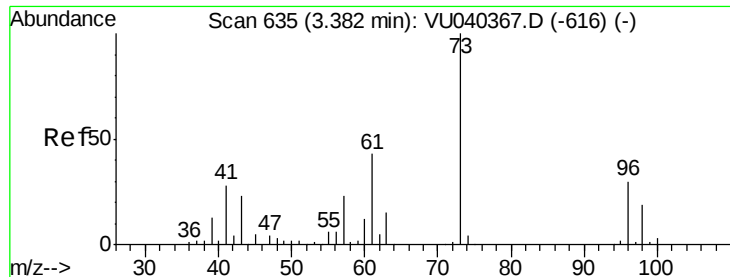
Tot Ion: 43 Resp: 33464
Ion Ratio Lower Upper
43 100
74 20.2 16.3 24.5



#16
Methylene chloride
Concen: 4.842 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Tgt Ion: 84 Resp: 65021
Ion Ratio Lower Upper
84 100
86 63.3 44.4 82.5
49 135.2 92.2 171.2

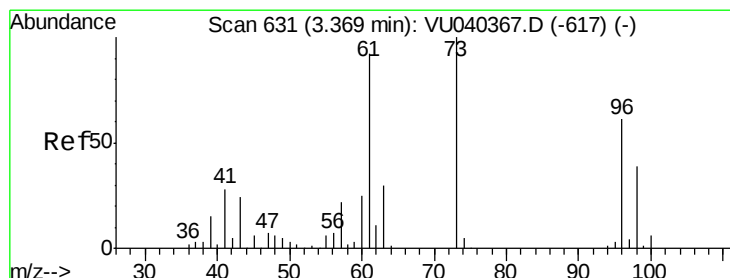
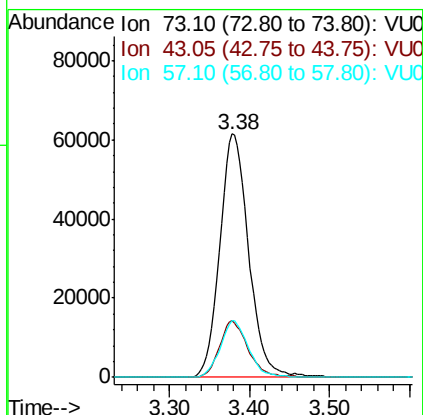
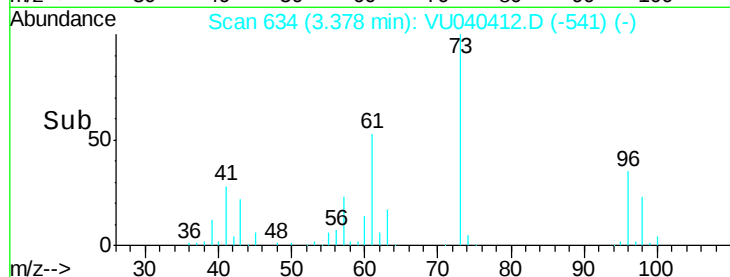
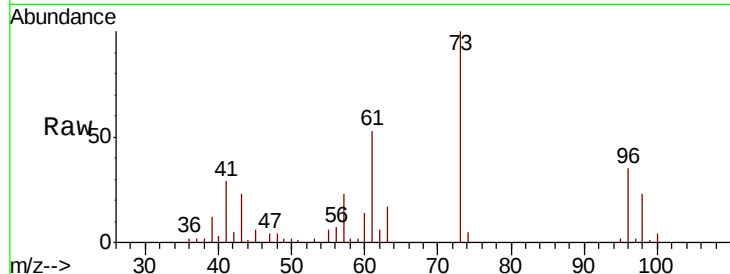




#17
Methvl tert-butvl Ether
Concen: 5.189 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

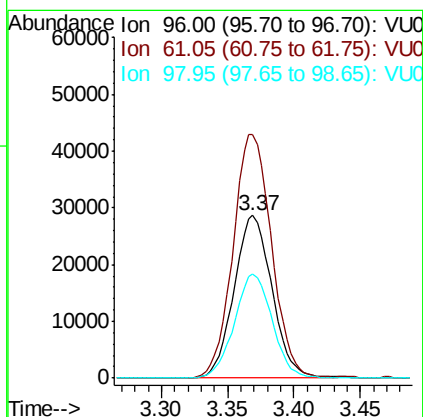
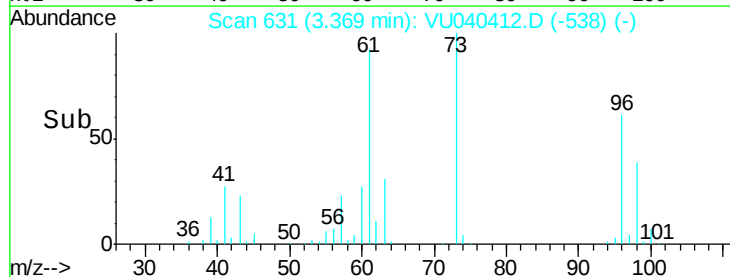
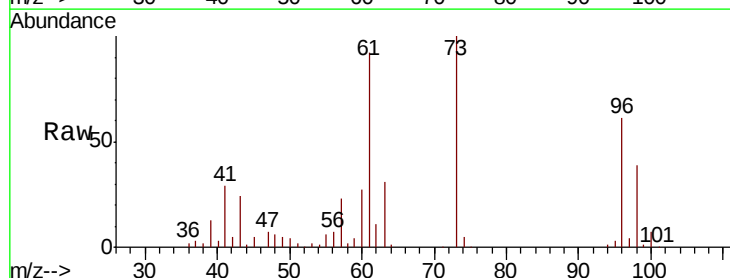
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

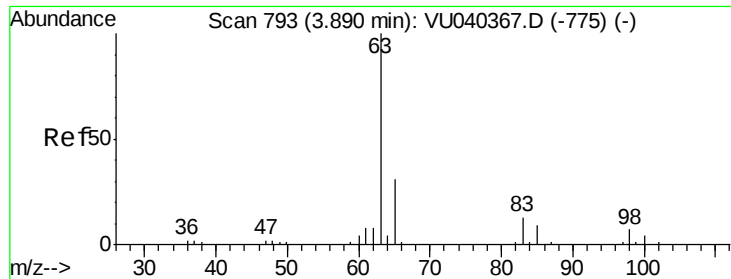
Tot Ion: 73 Resp: 152846
Ion Ratio Lower Upper
73 100
43 23.0 19.0 28.4
57 22.6 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.166 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Tgt Ion: 96 Resp: 57105
Ion Ratio Lower Upper
96 100
61 149.8 109.3 203.1
98 63.9 45.8 85.0

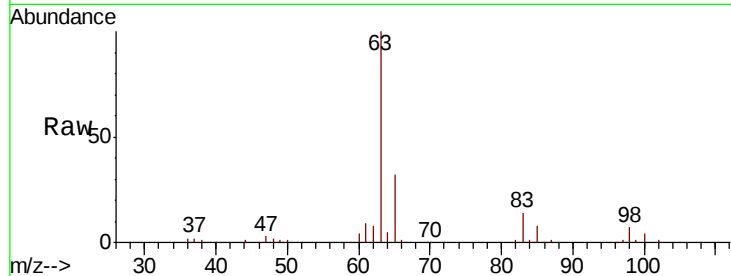




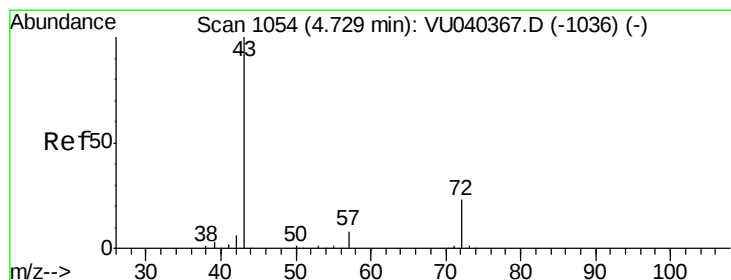
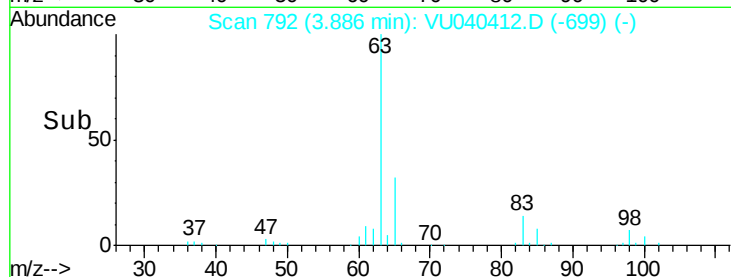
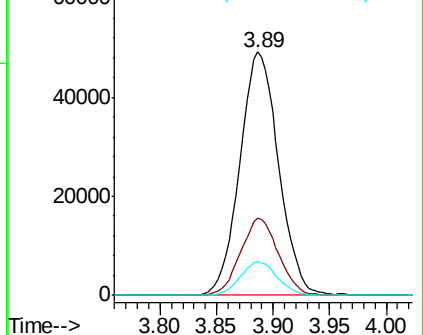
#19
 1,1-Dichloroethane
 Concen: 5.166 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 63 Resp: 117214
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.7 40.3
 83 13.9 9.1 16.9

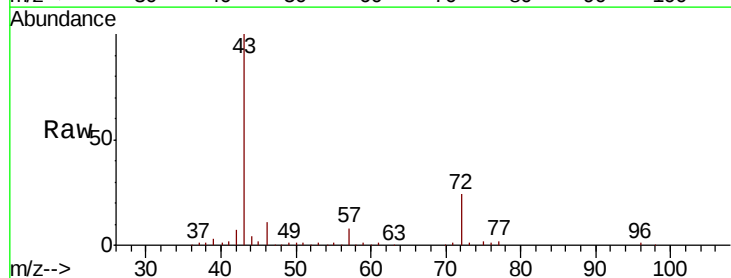


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

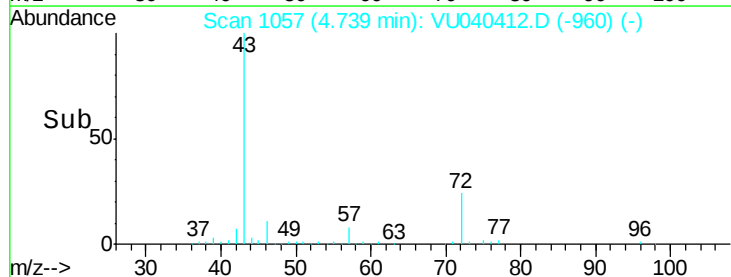
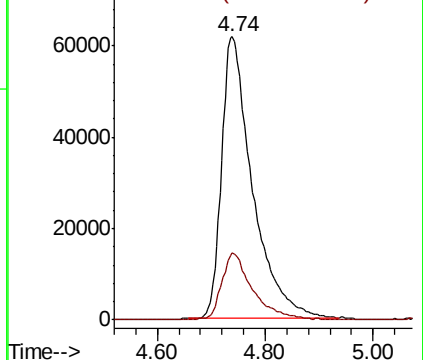


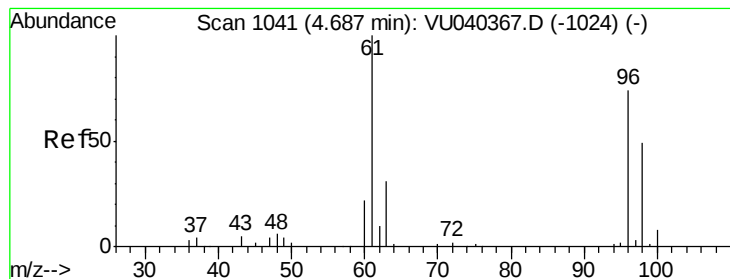
#21
 2-Butanone
 Concen: 53.244 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 43 Resp: 245860
 Ion Ratio Lower Upper
 43 100
 72 23.8 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.085 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

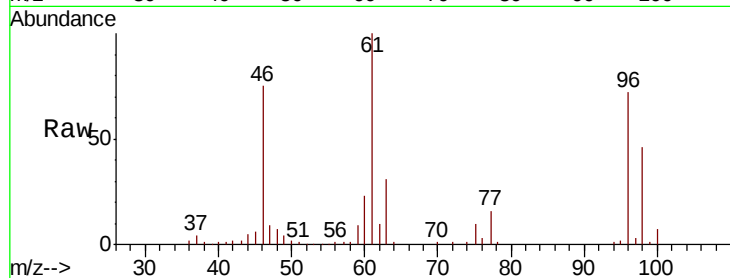
Tot Ion: 96 Resp: 62184

Ion Ratio Lower Upper

96 100

61 138.5 99.3 184.5

68 0.0 0.0 0.0

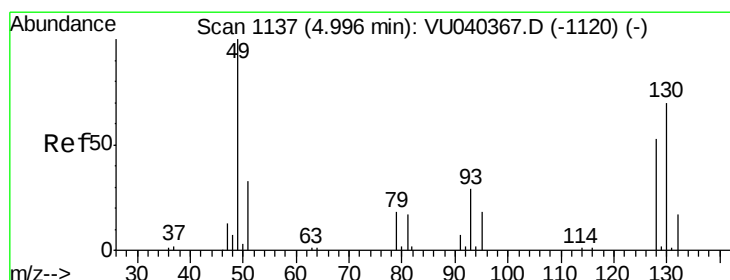
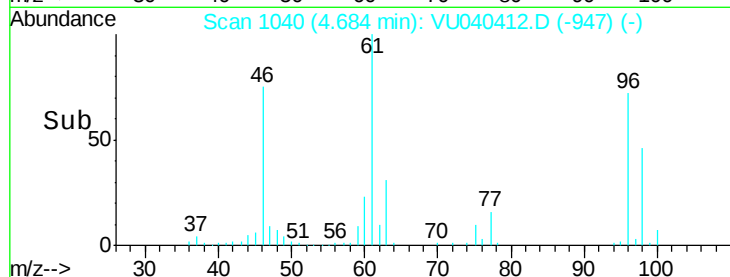
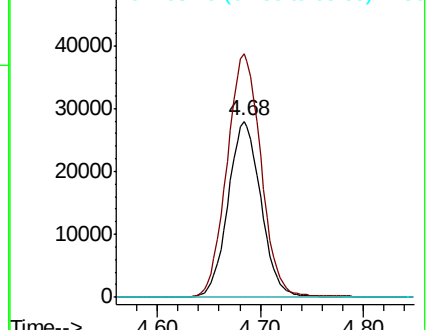


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 5.185 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Tgt Ion: 128 Resp: 29034

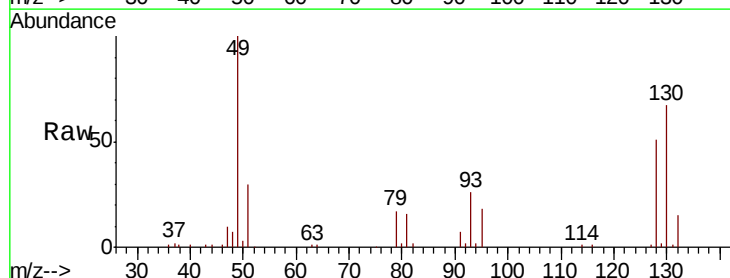
Ion Ratio Lower Upper

128 100

49 195.0 134.6 250.0

130 130.9 91.1 169.1

51 58.1 50.6 75.8



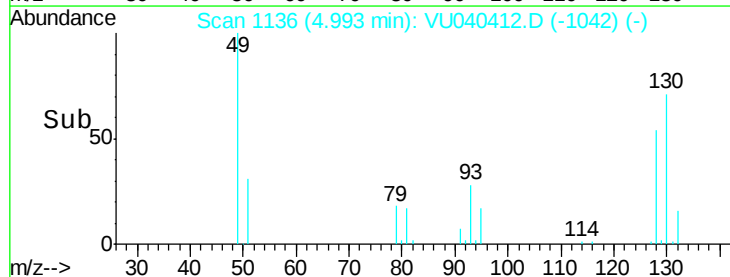
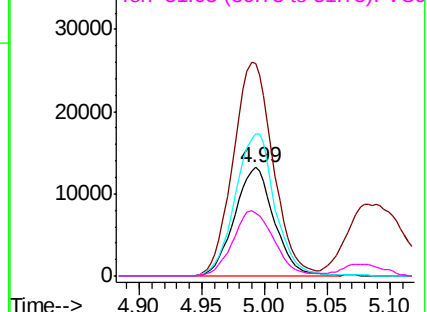
Abundance

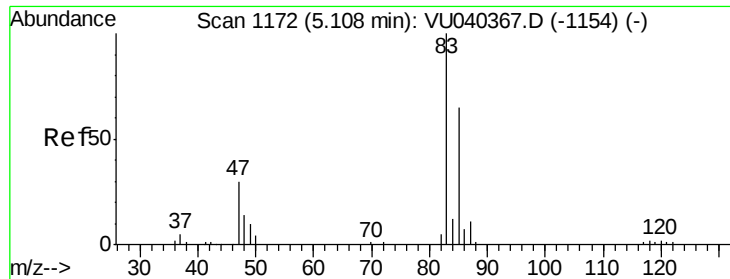
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

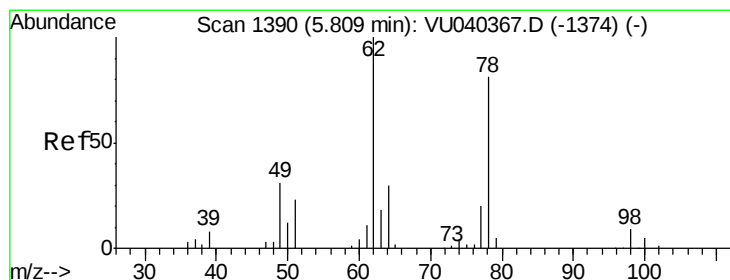
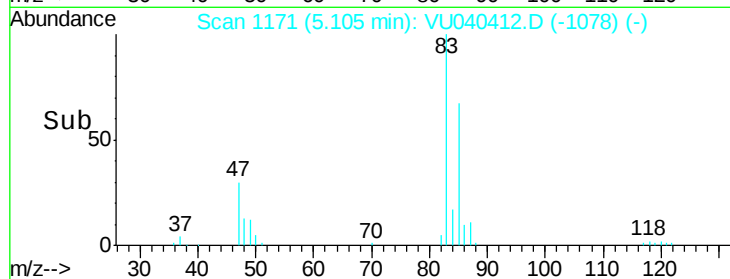
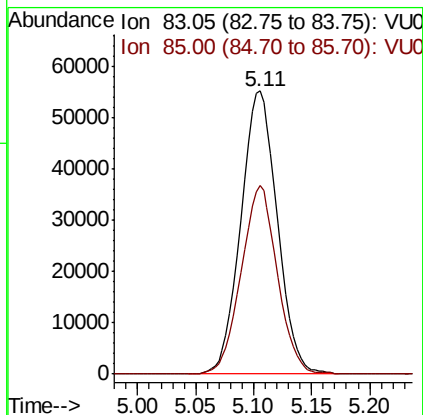
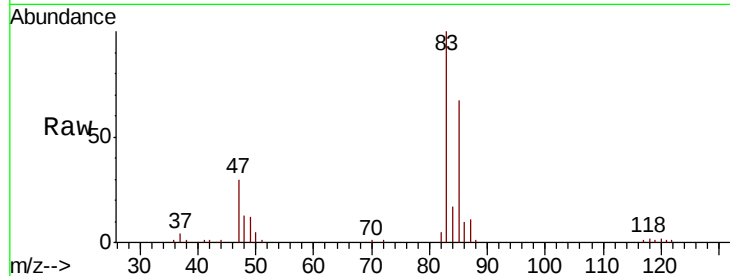




#25
Chloroform
Concen: 5.211 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

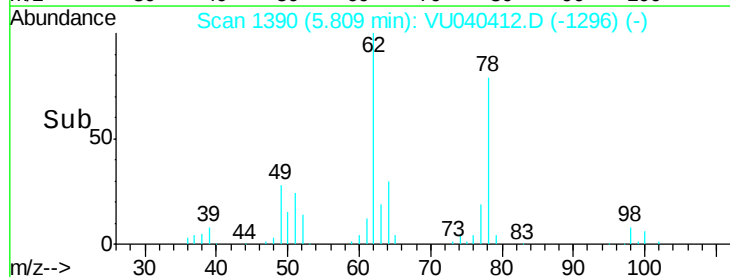
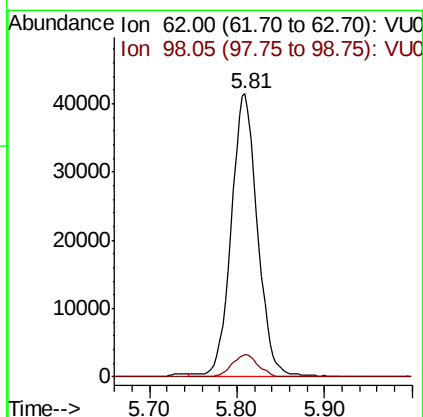
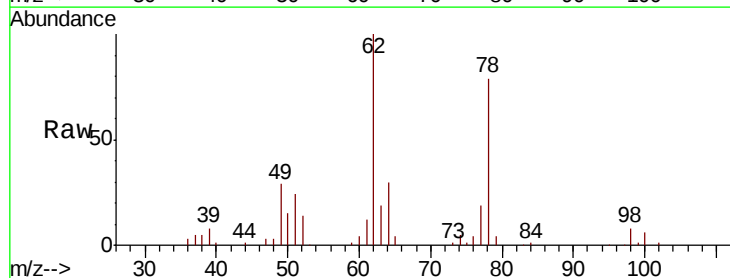
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

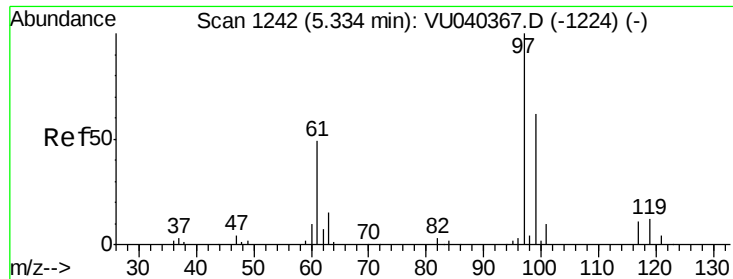
Tot Ion: 83 Resp: 120591
Ion Ratio Lower Upper
83 100
85 66.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.405 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Tgt Ion: 62 Resp: 86617
Ion Ratio Lower Upper
62 100
98 7.9 7.5 11.3



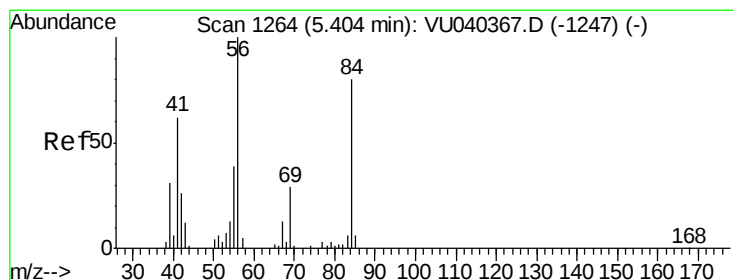
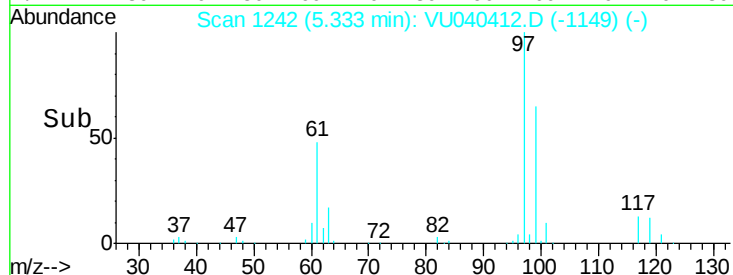
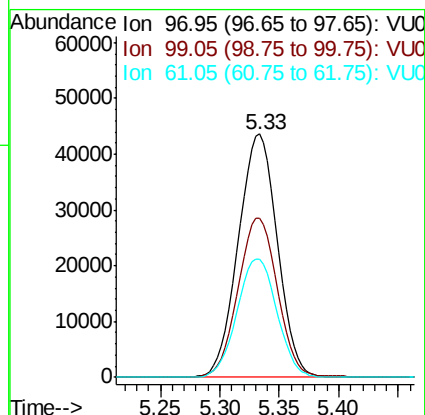
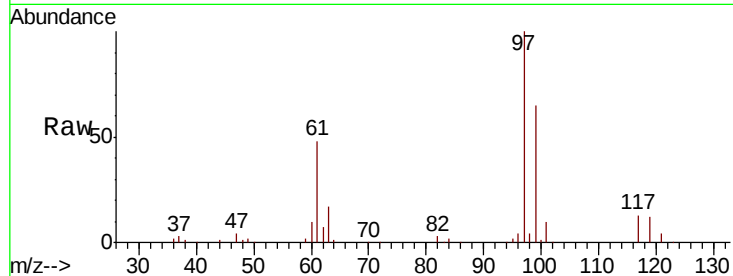


#29
 1,1,1-Trichloroethane
 Concen: 5.311 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00528

Tot Ion: 97 Resp: 99410

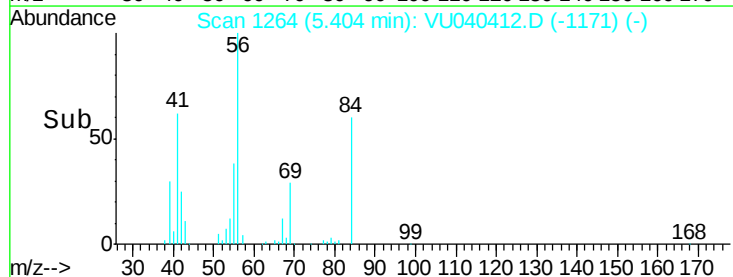
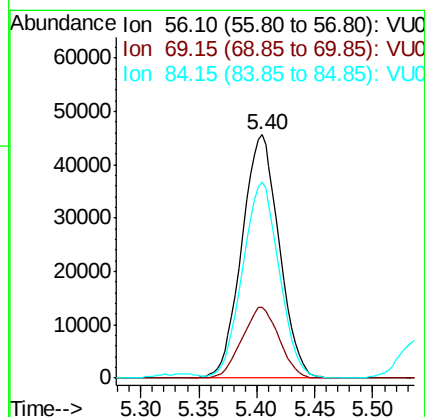
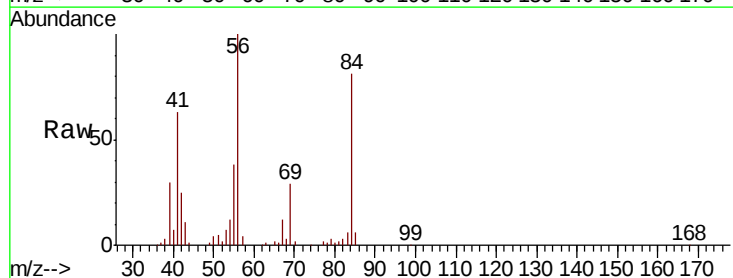
Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.7	76.1
61	49.5	39.7	59.5

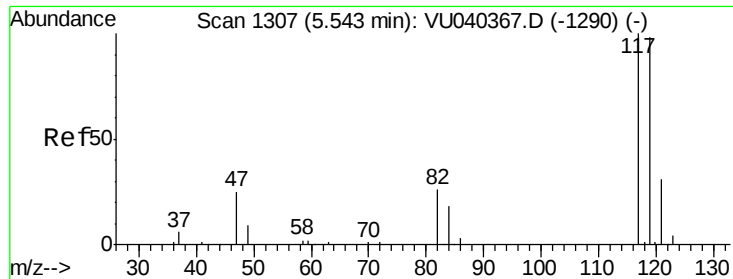


#30
 Cyclohexane
 Concen: 5.276 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 56 Resp: 102177

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.3	34.9
84	79.4	64.2	96.4





#31

Carbon tetrachloride

Concen: 5.268 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

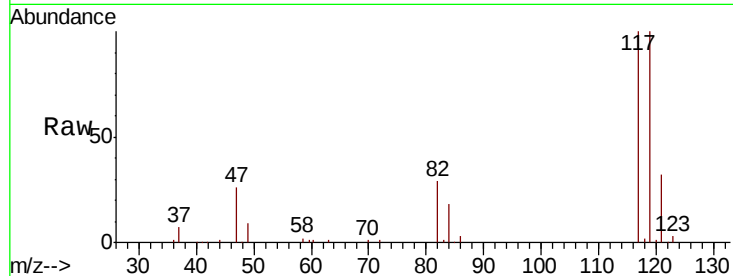
VSTD00528

Tot Ion:117 Resp: 84558

Ion Ratio Lower Upper

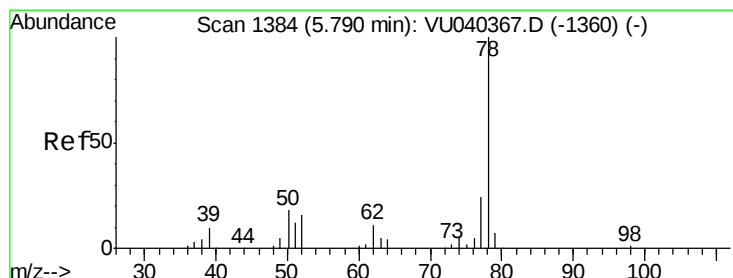
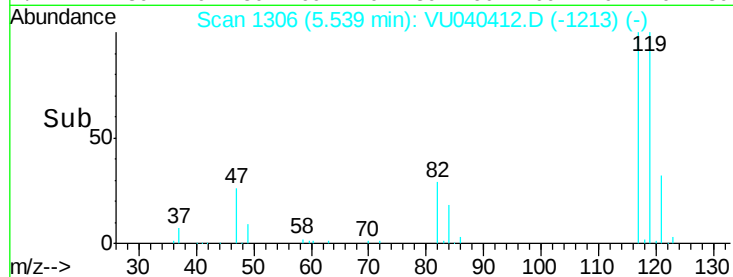
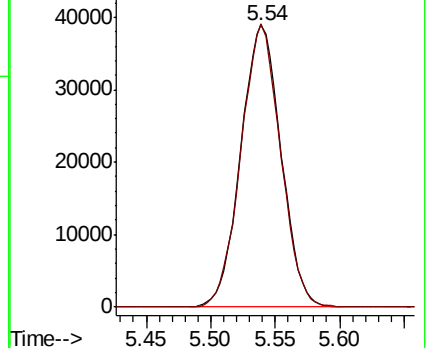
117 100

119 98.4 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.454 ug/L

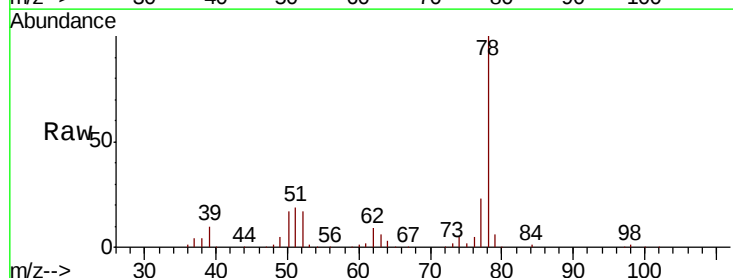
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

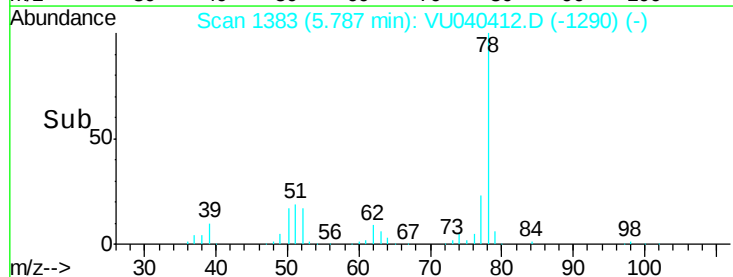
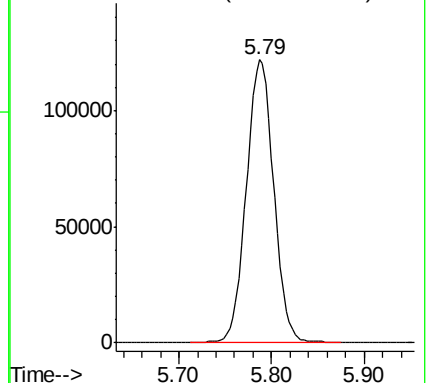
Lab File: VU040412.D

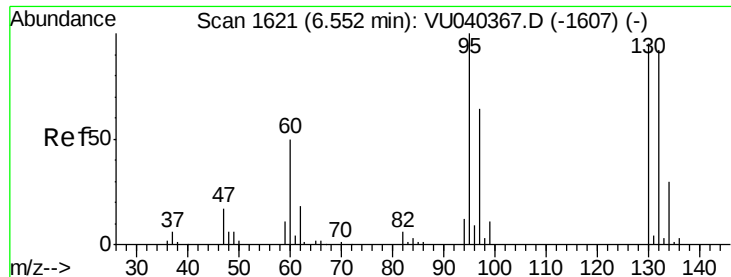
Acq: 01 Oct 2020 09:42

Tgt Ion: 78 Resp: 250565



Abundance Ion 78.10 (77.80 to 78.80): VU0

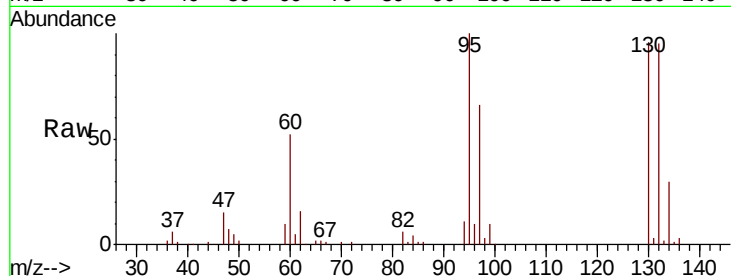




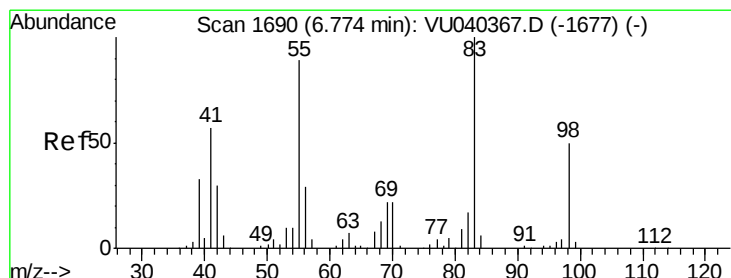
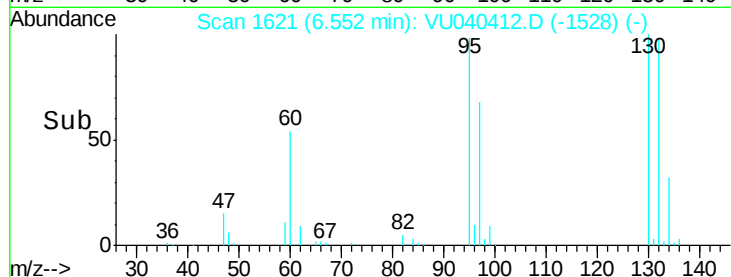
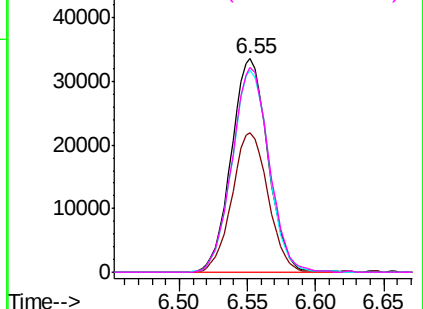
#34
 Trichloroethene
 Concen: 5.144 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion: 95 Resp: 62734
 Ion Ratio Lower Upper
 95 100
 97 65.5 46.3 85.9
 132 94.5 60.5 112.3
 130 96.0 64.3 119.3

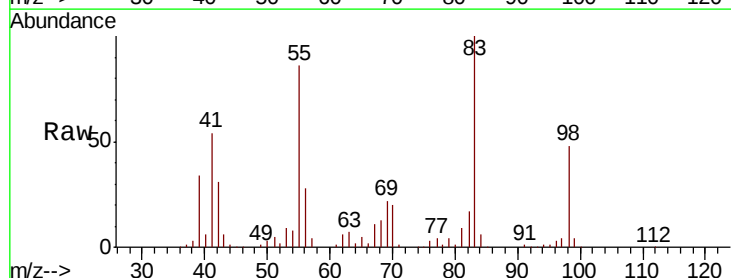


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

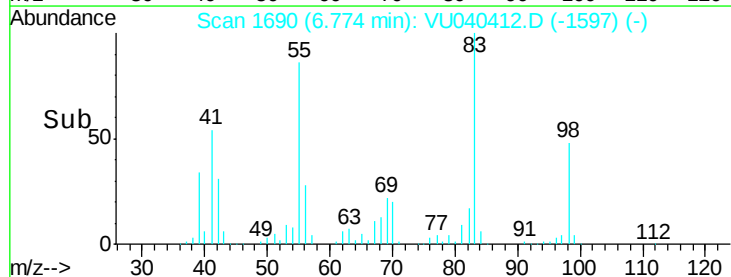
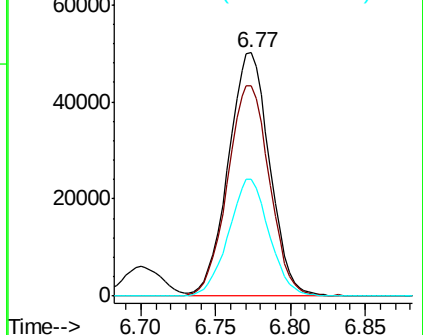


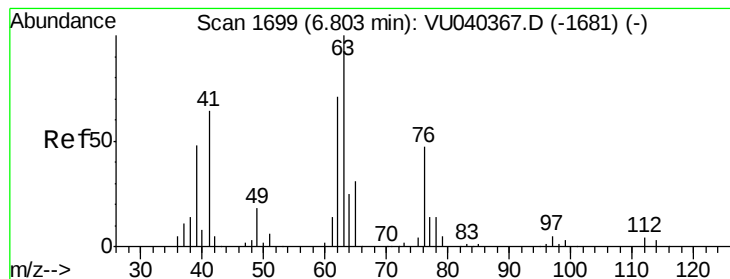
#35
 Methylcyclohexane
 Concen: 5.383 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 83 Resp: 96295
 Ion Ratio Lower Upper
 83 100
 55 87.8 71.4 107.2
 98 47.3 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: 5.319 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

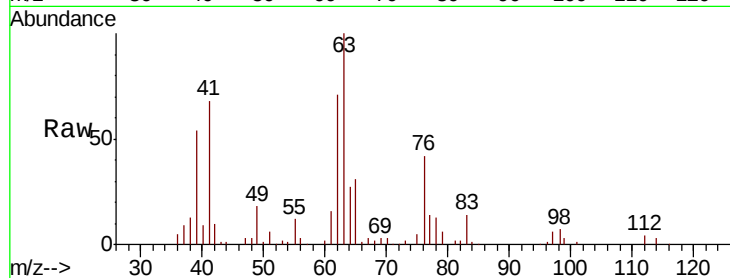
VSTD00528

Tot Ion: 63 Resp: 68052

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



Abundance Ion 63.10 (62.80 to 63.80): VU040412.D (-1605) (-)

Ion 112.10 (111.80 to 112.80): VU040412.D (-1605) (-)

6.80

40000

30000

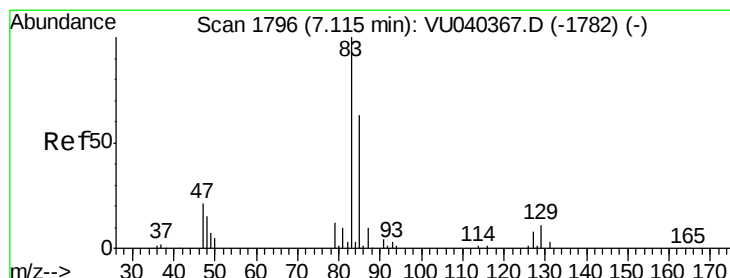
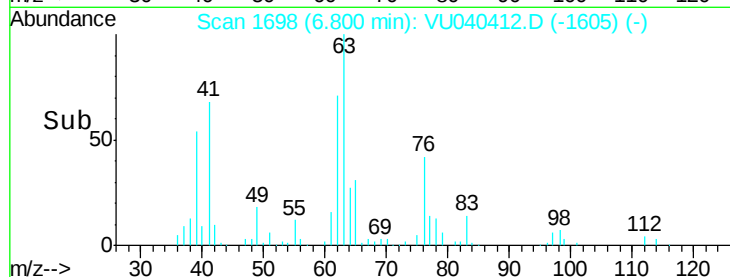
20000

10000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.451 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

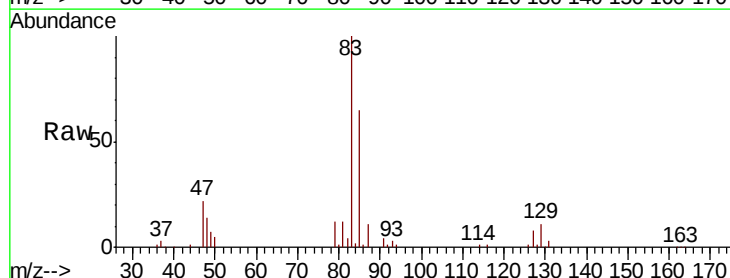
Tgt Ion: 83 Resp: 86121

Ion Ratio Lower Upper

83 100

85 65.2 45.1 83.9

127 8.2 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VU040412.D (-1703) (-)

Ion 85.00 (84.70 to 85.70): VU040412.D (-1703) (-)

Ion 126.90 (126.60 to 127.60): VU040412.D (-1703) (-)

7.11

60000

50000

40000

30000

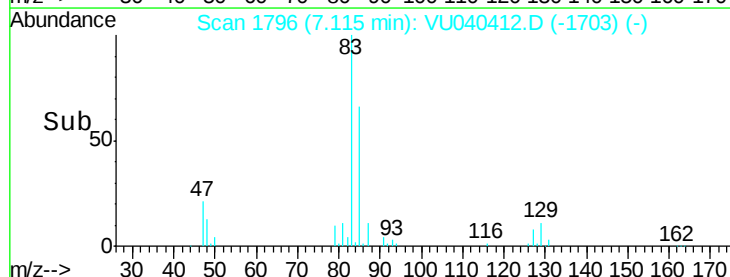
20000

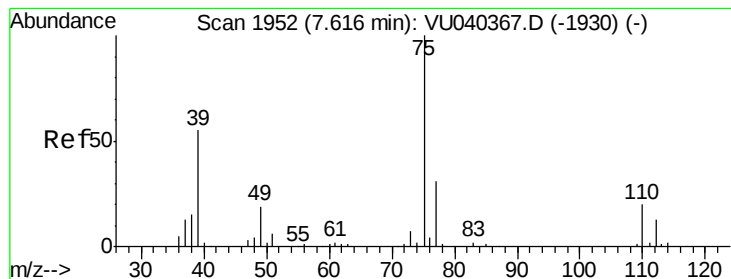
10000

0

7.05 7.10 7.15 7.20

Time-->



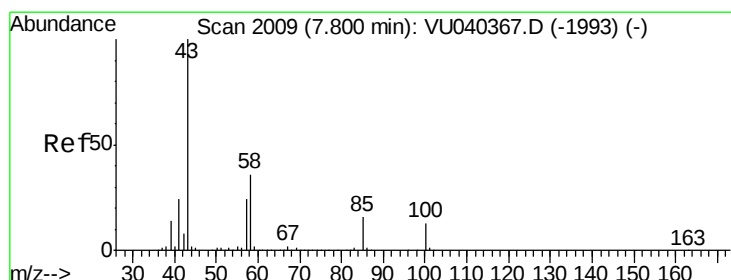
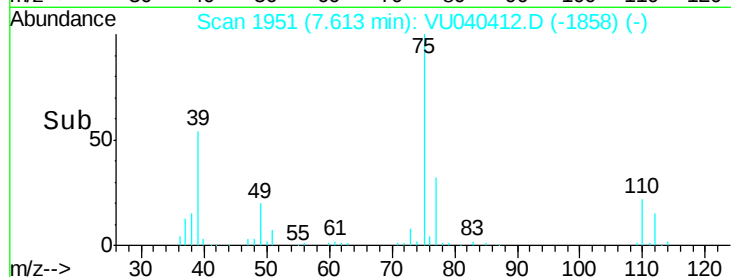
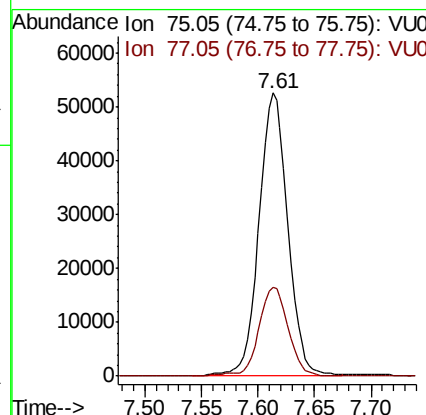
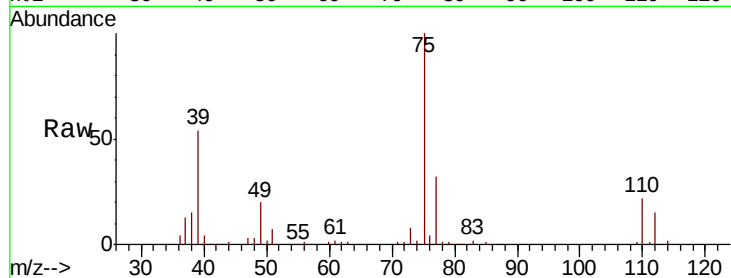


#39

cis-1,3-Dichloropropene
 Concen: 5.434 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

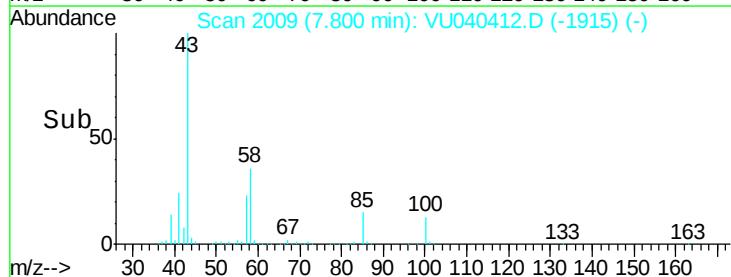
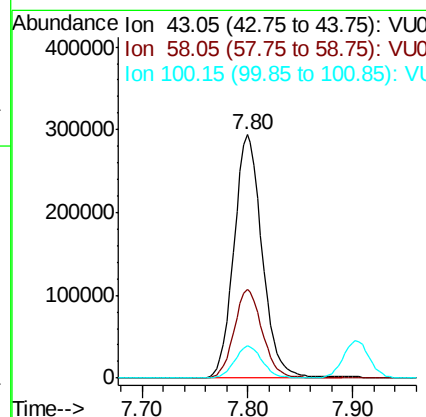
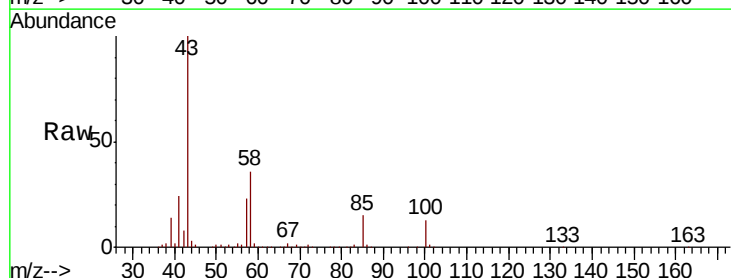
Tot Ion: 75 Resp: 93247
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.5 43.7

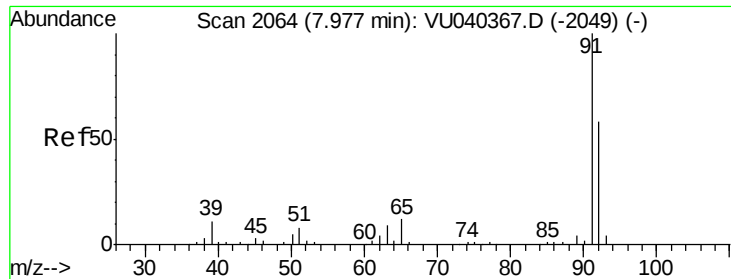


#40

4-Methyl-2-pentanone
 Concen: 54.367 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 43 Resp: 544727
 Ion Ratio Lower Upper
 43 100
 58 36.4 29.2 43.8
 100 13.0 10.3 15.5





#42

Toluene

Concen: 5.425 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

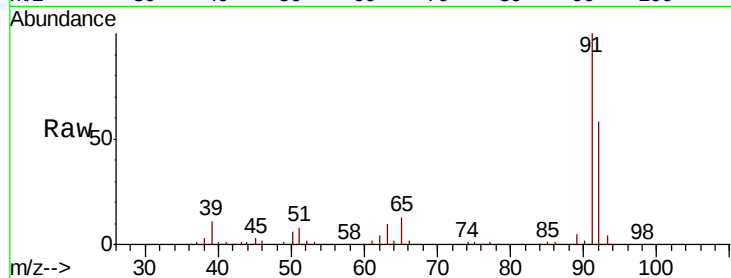
VSTD00528

Tot Ion: 91 Resp: 255599

Ion Ratio Lower Upper

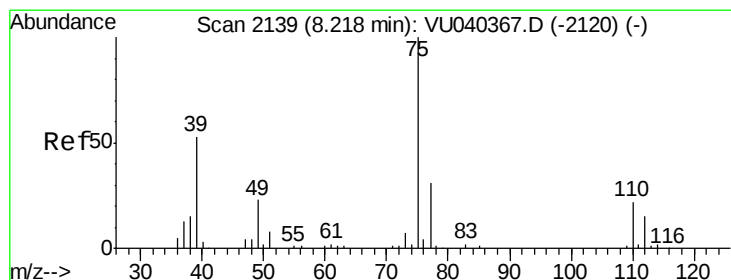
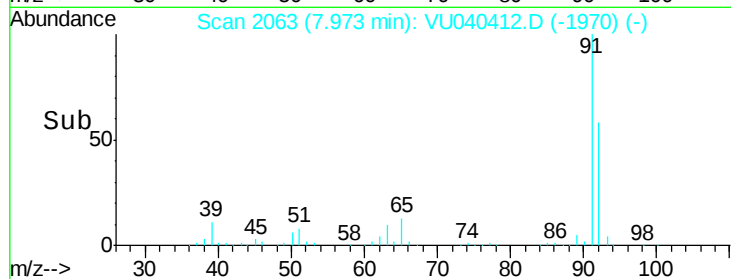
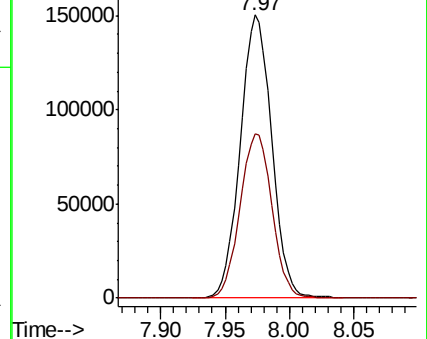
91 100

92 58.1 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040412.D (-1970) (-)

Ion 92.15 (91.85 to 92.85): VU040412.D (-1970) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.476 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040412.D

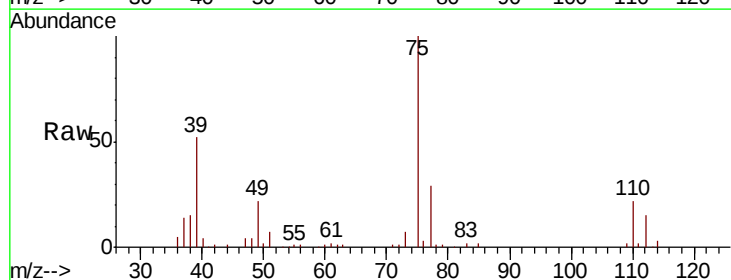
Acq: 01 Oct 2020 09:42

Tgt Ion: 75 Resp: 86638

Ion Ratio Lower Upper

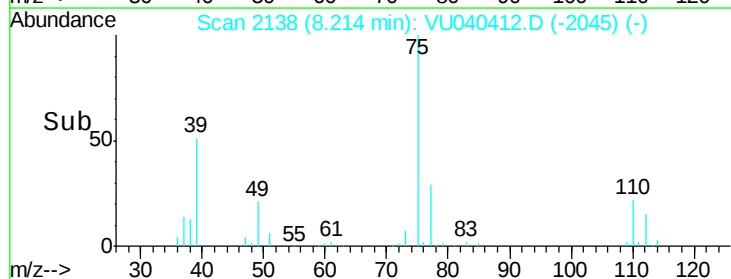
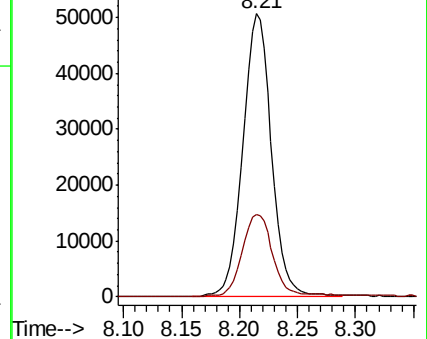
75 100

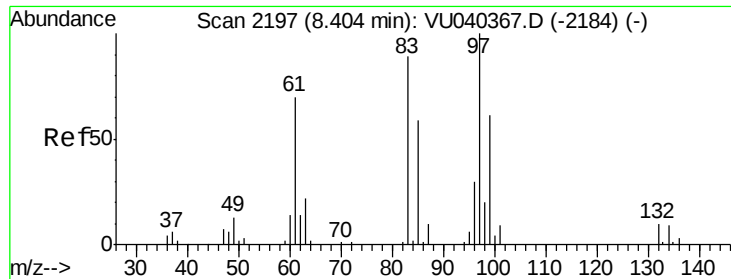
77 29.3 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040412.D (-2045) (-)

Ion 77.05 (76.75 to 77.75): VU040412.D (-2045) (-)

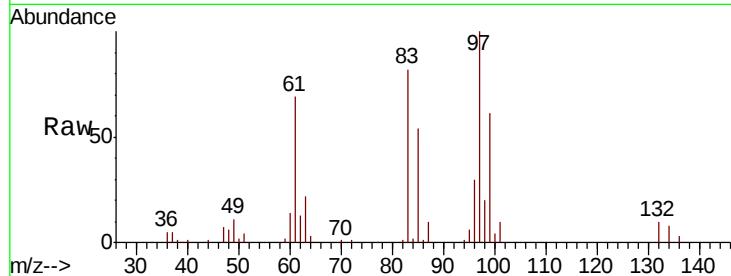




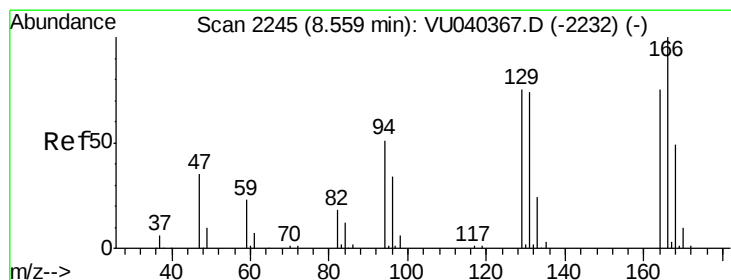
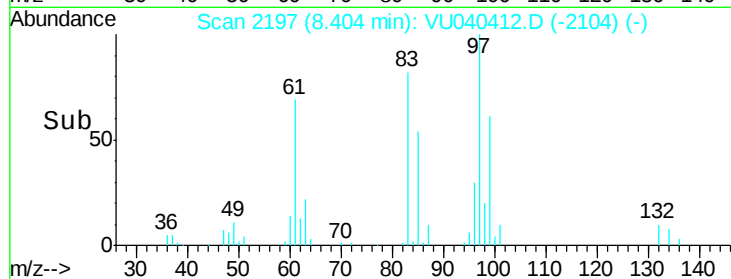
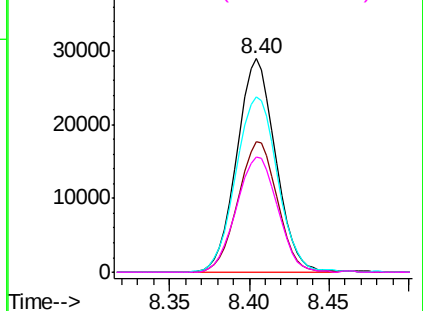
#45
 1,1,2-Trichloroethane
 Concen: 5.333 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:	97	Resp:	47829
Ion	Ratio	Lower	Upper
97	100		
99	61.1	45.8	85.0
83	82.3	62.9	116.9
85	54.2	41.7	77.5

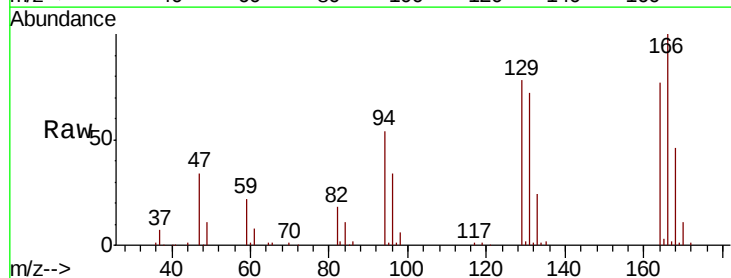


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

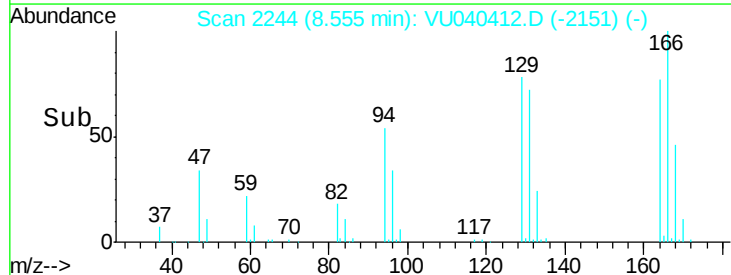
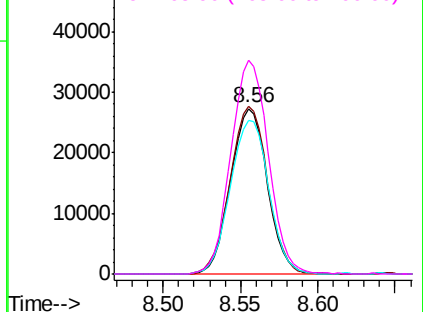


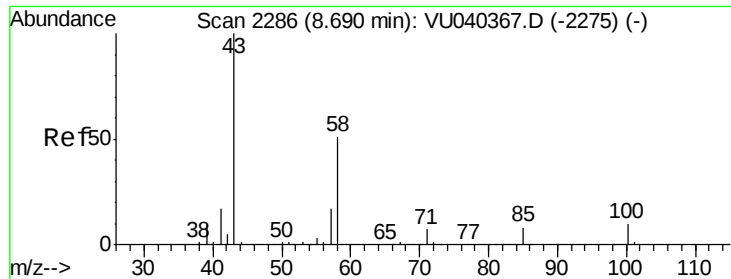
#47
 Tetrachloroethene
 Concen: 5.205 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion:	164	Resp:	45077
Ion	Ratio	Lower	Upper
164	100		
129	101.3	70.3	130.7
131	93.1	69.2	128.6
166	129.1	91.1	169.3



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

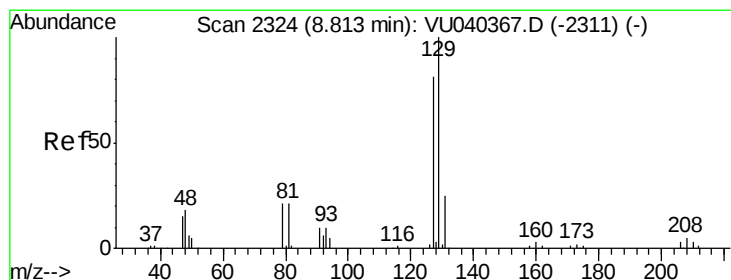
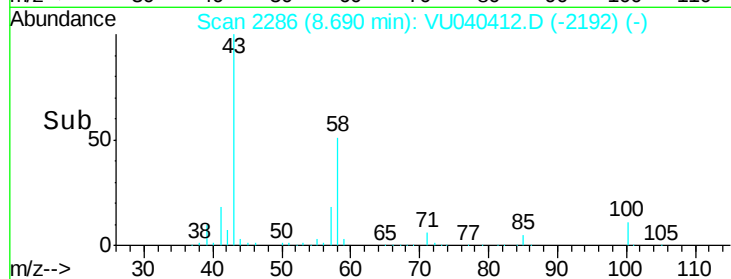
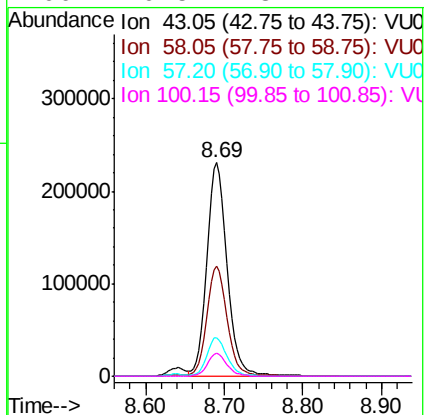
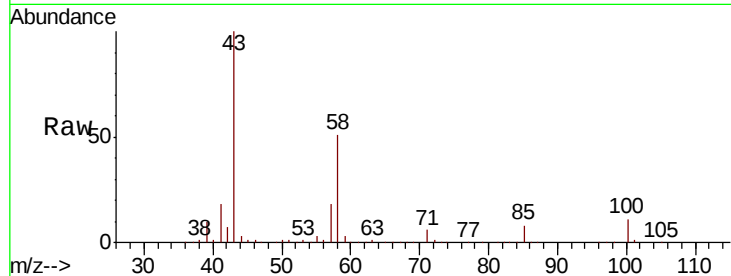




#48
2-Hexanone
Concen: 55.508 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

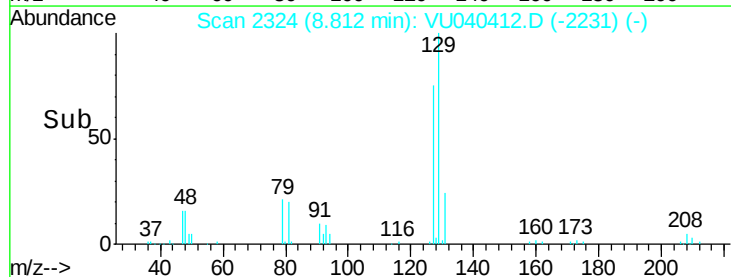
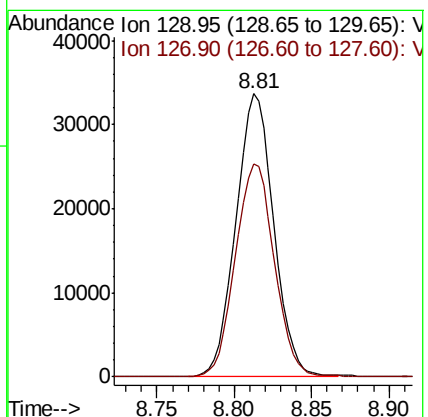
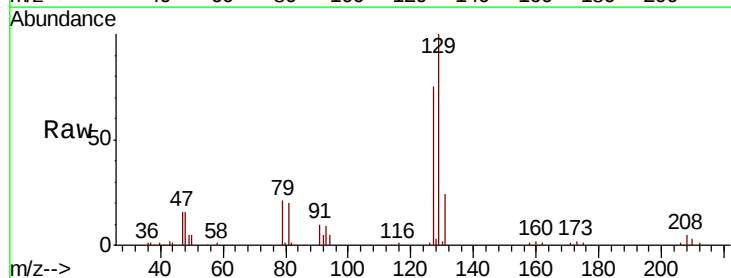
Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

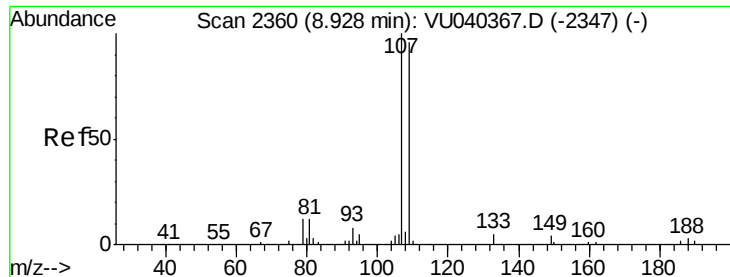
Tot Ion:	43	Resp:	409817
Ion	Ratio	Lower	Upper
43	100		
58	51.6	41.0	61.4
57	18.0	14.6	22.0
100	10.5	8.2	12.4



#49
Dibromochloromethane
Concen: 5.483 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Tgt Ion:	129	Resp:	57210
Ion	Ratio	Lower	Upper
129	100		
127	75.0	55.4	103.0





#50

1,2-Dibromoethane

Concen: 5.360 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

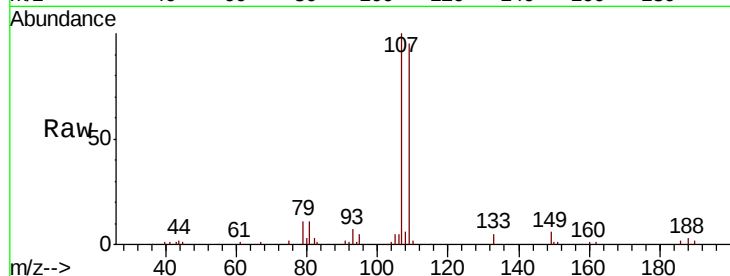
Tot Ion:107 Resp: 46114

Ion Ratio Lower Upper

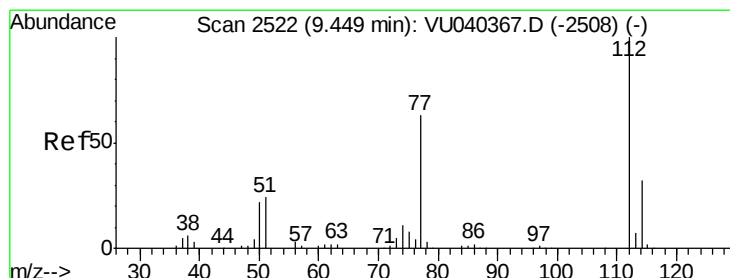
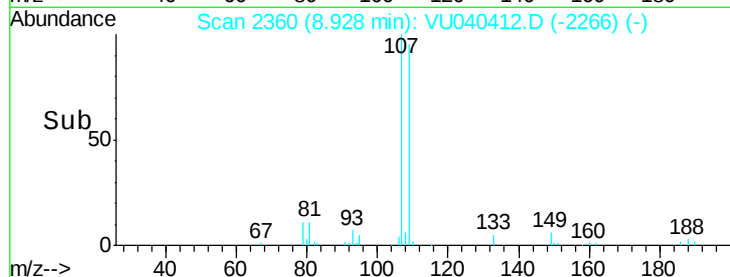
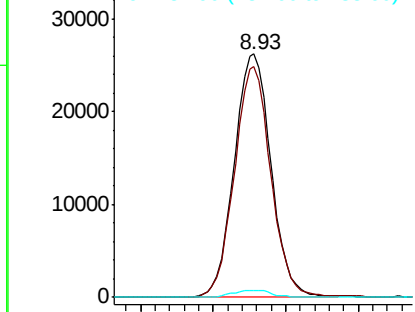
107 100

109 95.0 69.4 128.8

188 3.0 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: 5.233 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

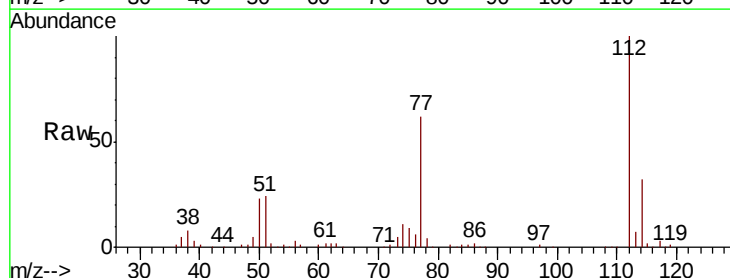
Tgt Ion:112 Resp: 159403

Ion Ratio Lower Upper

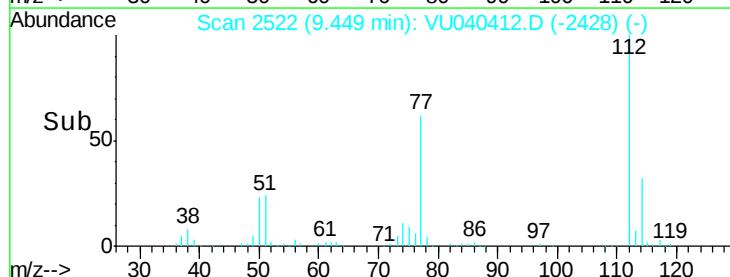
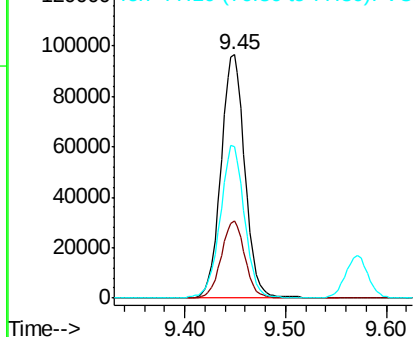
112 100

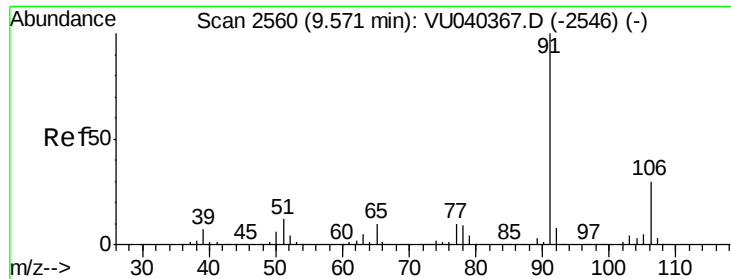
114 31.6 22.0 40.8

77 62.0 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: 5.386 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

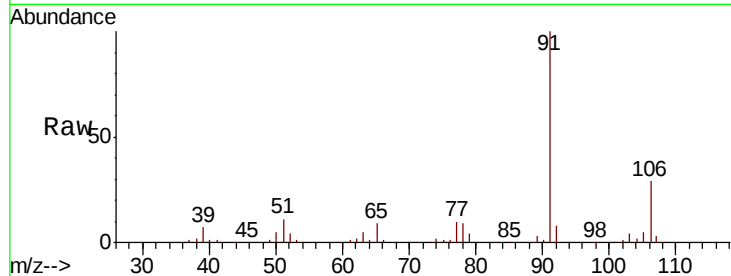
VSTD00528

Tot Ion: 91 Resp: 275351

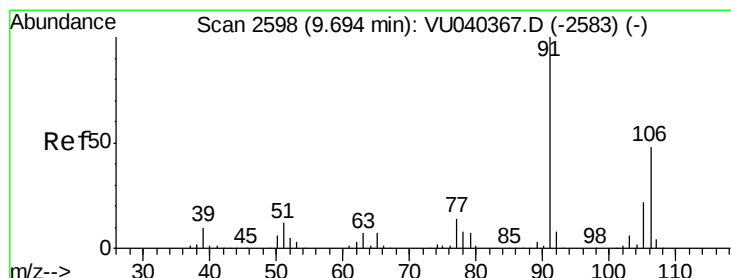
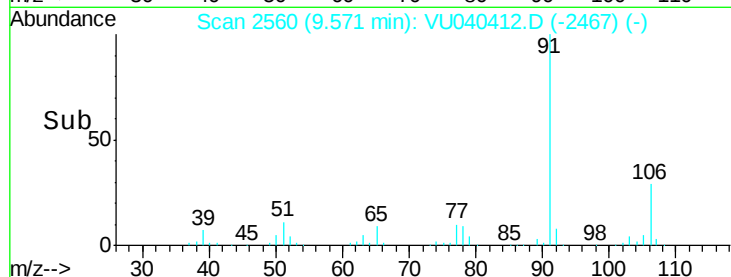
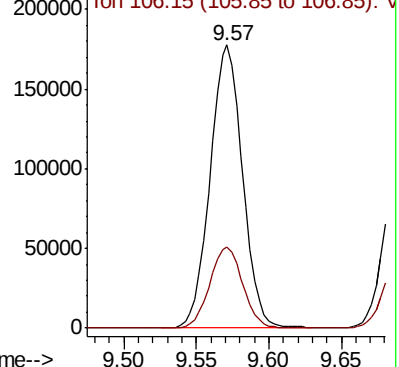
Ion Ratio Lower Upper

91 100

106 28.9 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040412.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.360 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040412.D

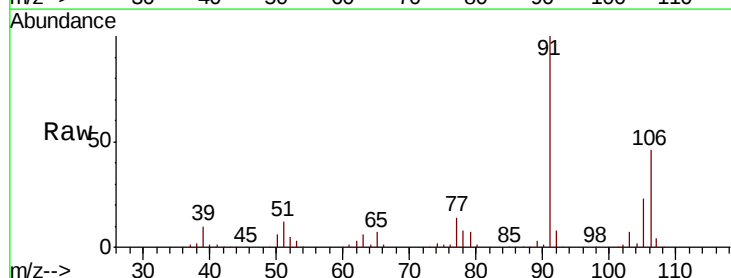
Acq: 01 Oct 2020 09:42

Tgt Ion: 106 Resp: 102084

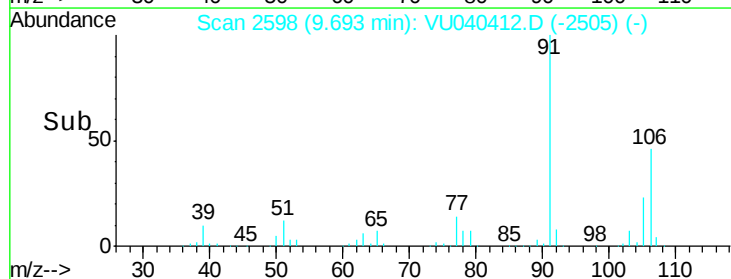
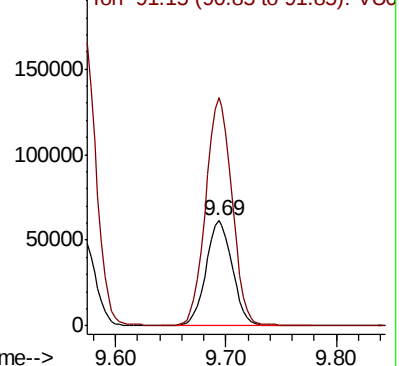
Ion Ratio Lower Upper

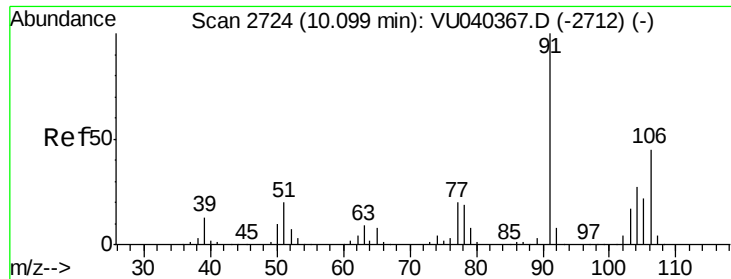
106 100

91 217.0 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040412.D (-2505) (-)





#54

o-Xylene

Concen: 5.383 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

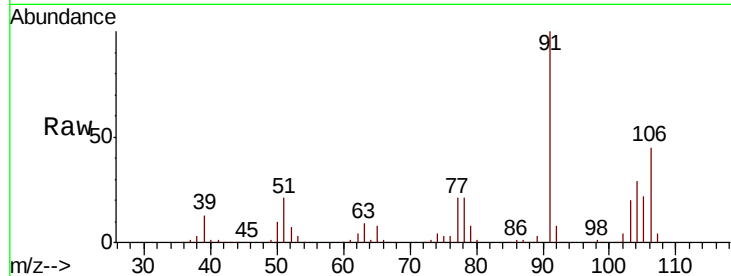
VSTD00528

Tot Ion:106 Resp: 96448

Ion Ratio Lower Upper

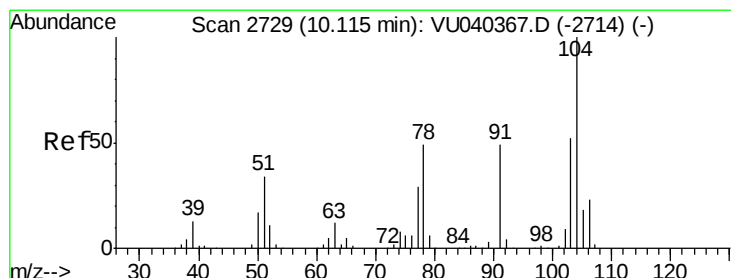
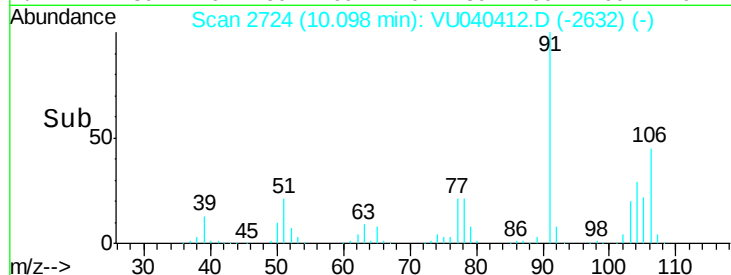
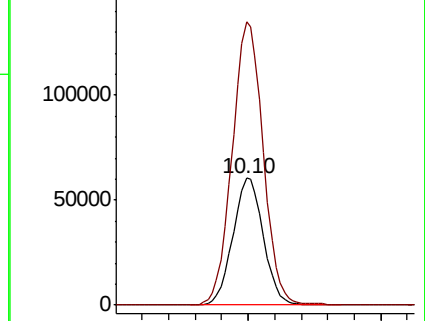
106 100

91 223.1 160.9 298.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.618 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040412.D

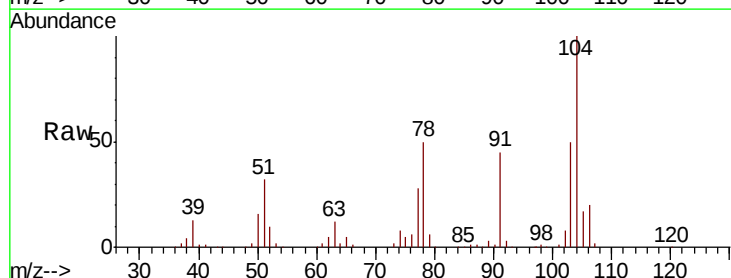
Acq: 01 Oct 2020 09:42

Tgt Ion:104 Resp: 175568

Ion Ratio Lower Upper

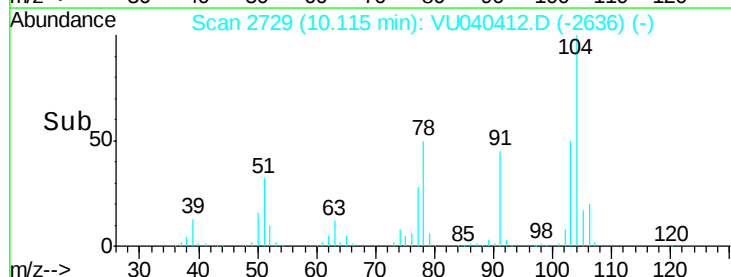
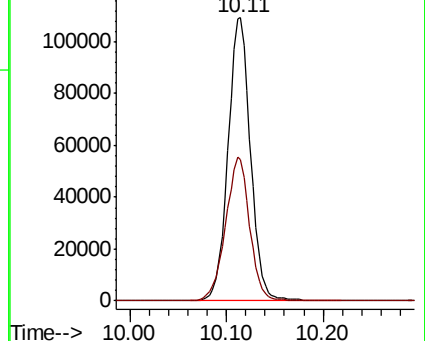
104 100

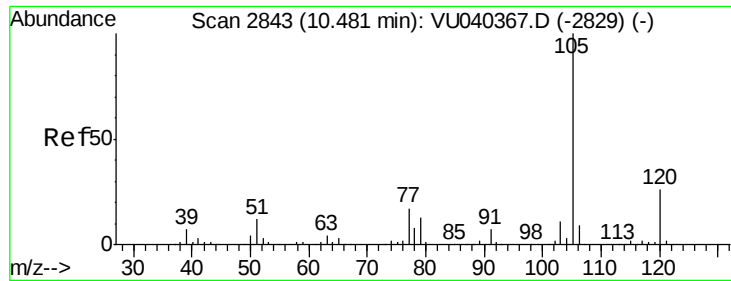
78 49.7 34.4 63.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.465 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

Instrument :

MSVOA_U

ClientSampleId :

VSTD00528

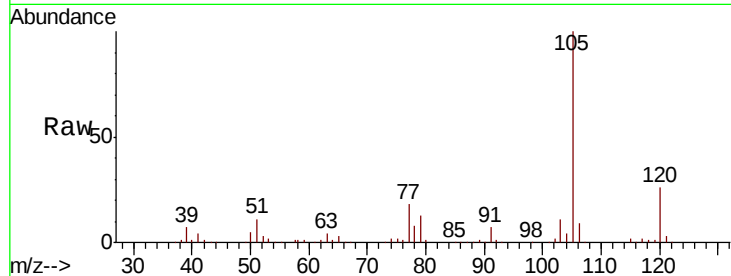
Tot Ion:105 Resp: 264210

Ion Ratio Lower Upper

105 100

120 25.6 20.6 30.8

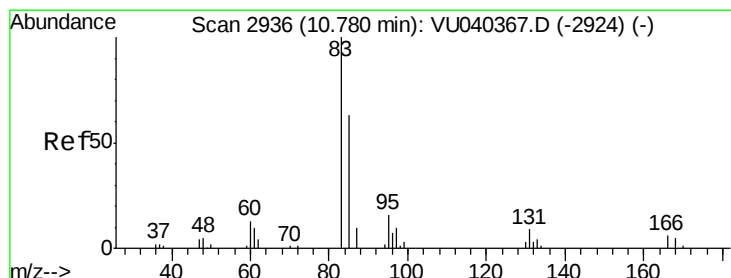
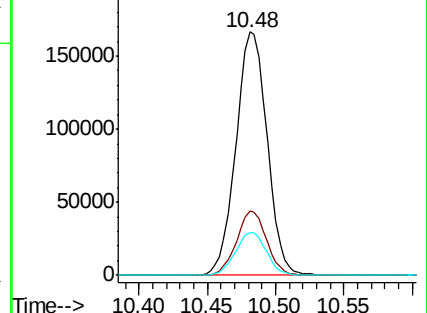
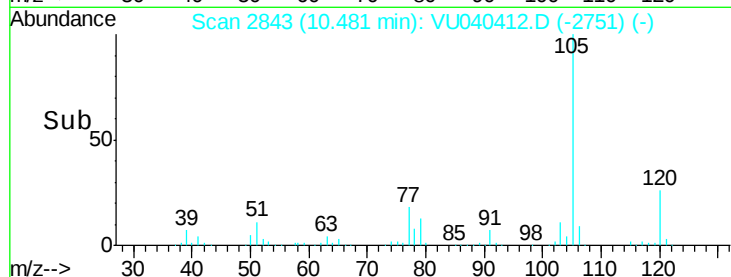
77 17.6 14.3 21.5



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: 5.105 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040412.D

Acq: 01 Oct 2020 09:42

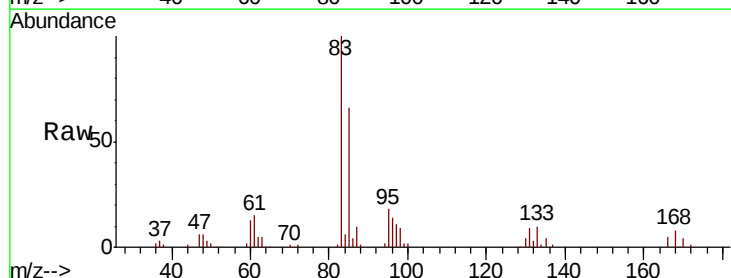
Tgt Ion: 83 Resp: 62051

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.9

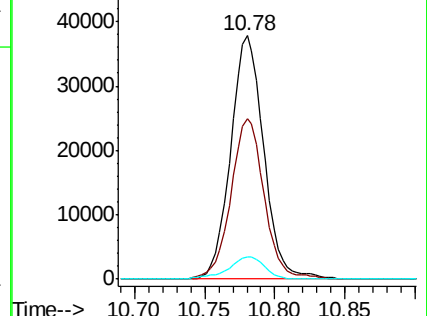
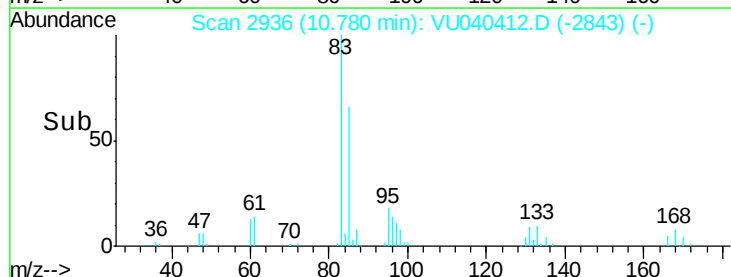
131 9.2 6.6 10.0

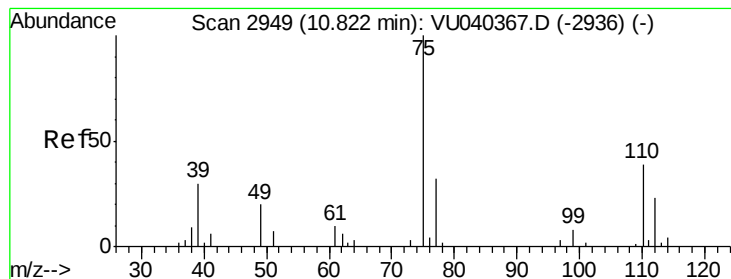


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

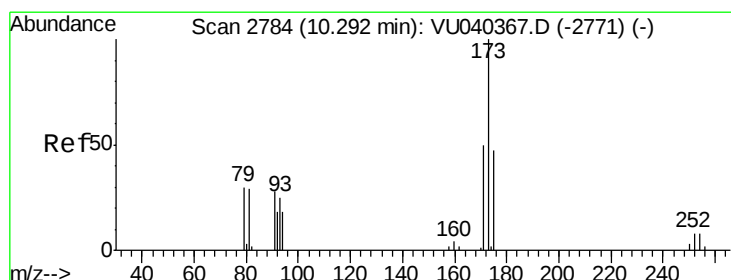
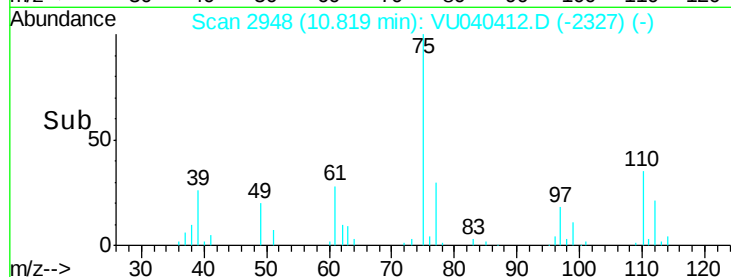
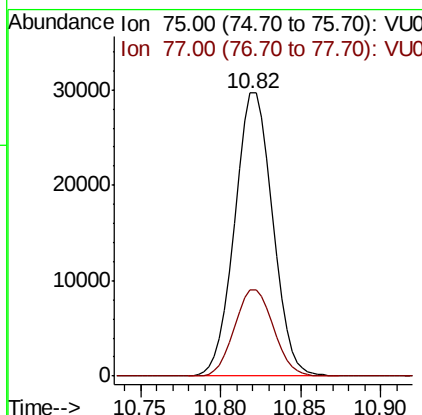
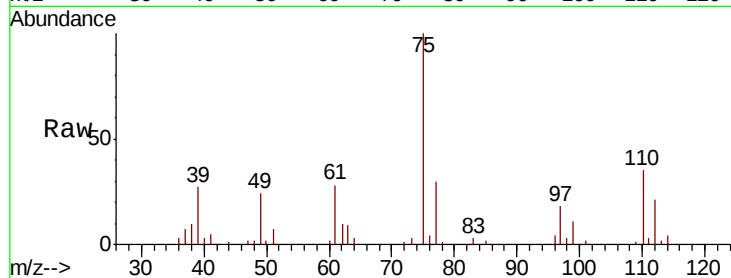




#59
 1,2,3-Trichloropropane
 Concen: 5.173 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

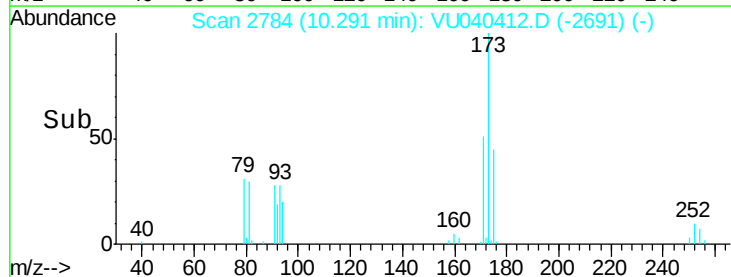
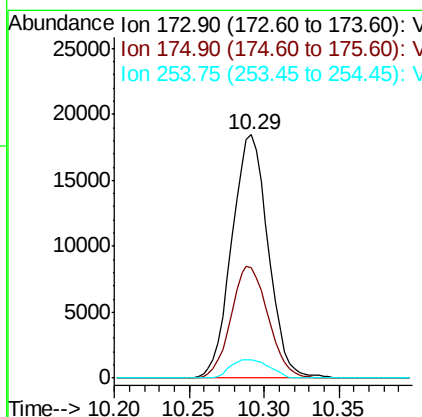
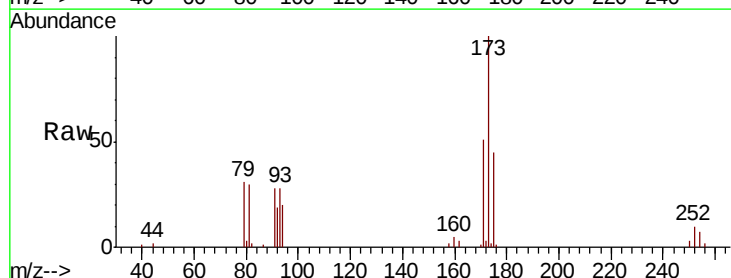
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

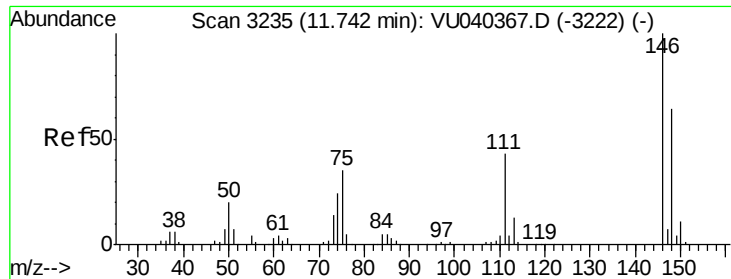
Tot Ion: 75 Resp: 47978
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#61
 Bromoform
 Concen: 5.239 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 173 Resp: 31257
 Ion Ratio Lower Upper
 173 100
 175 46.7 39.6 59.4
 254 8.1 7.0 10.4

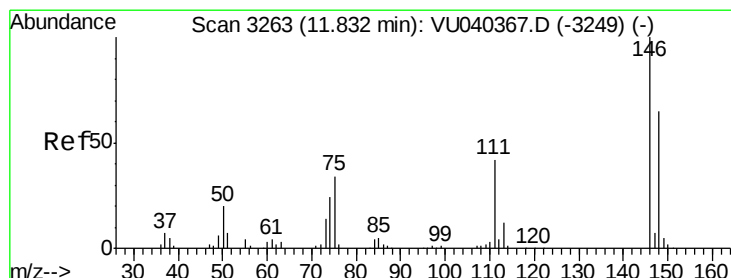
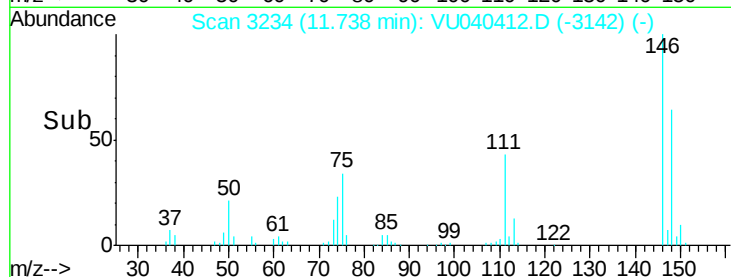
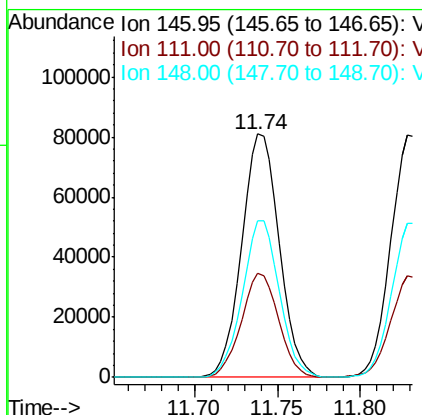
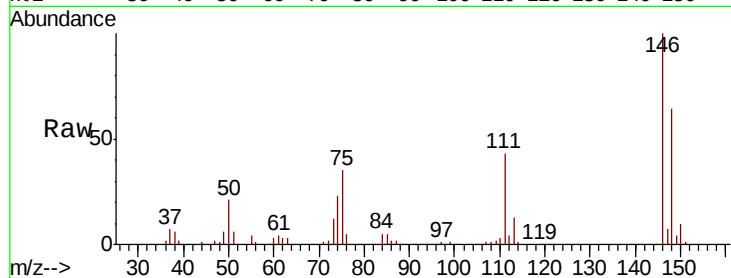




#62
 1,3-Dichlorobenzene
 Concen: 5.351 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

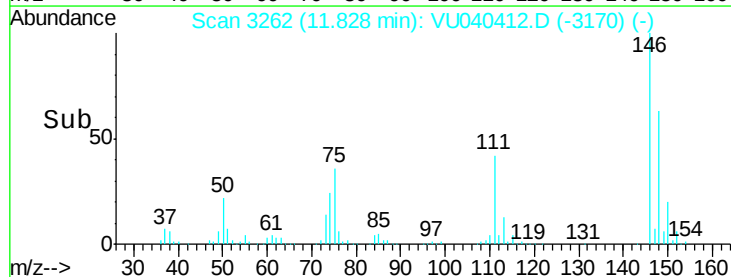
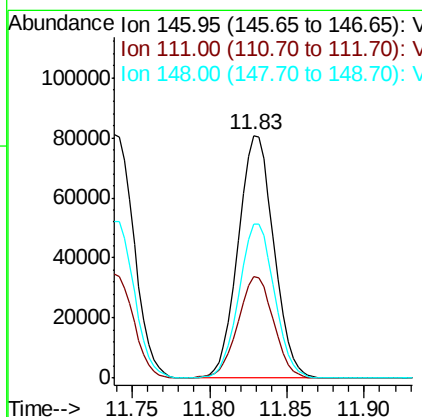
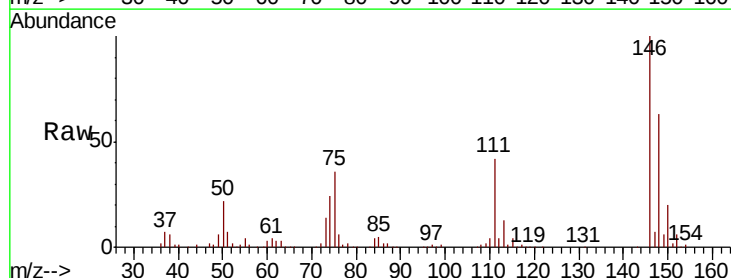
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

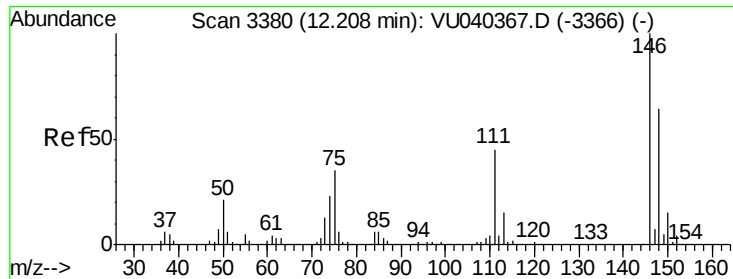
Tot Ion:146 Resp: 127879
 Ion Ratio Lower Upper
 146 100
 111 42.9 28.6 53.0
 148 64.3 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 5.208 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion:146 Resp: 129456
 Ion Ratio Lower Upper
 146 100
 111 42.0 29.2 54.2
 148 63.2 44.4 82.4

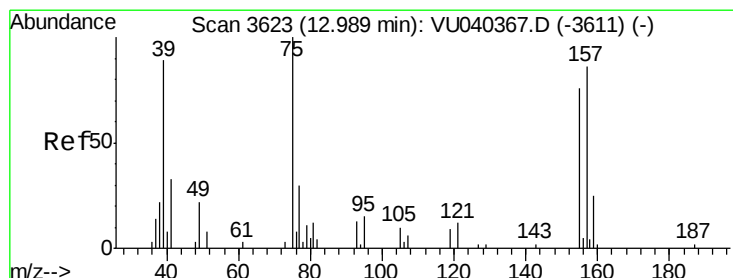
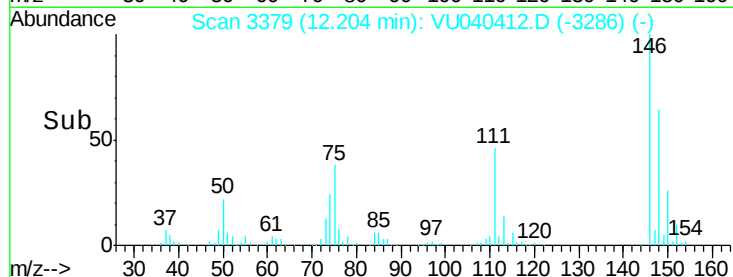
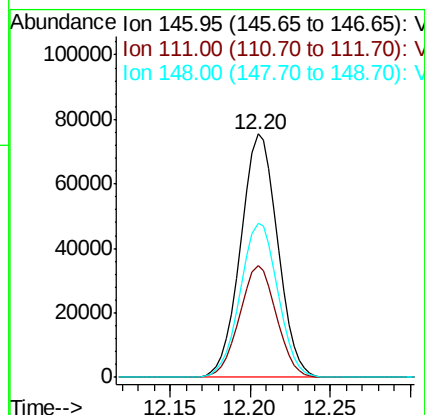
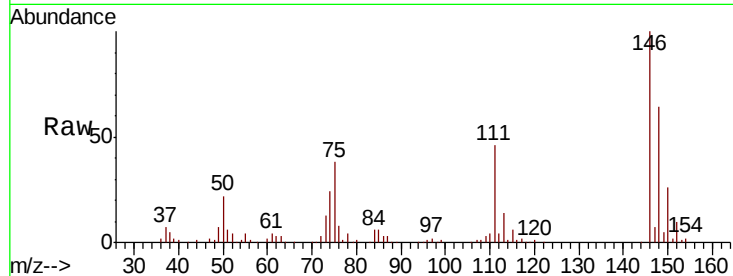




#65
 1,2-Dichlorobenzene
 Concen: 5.123 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

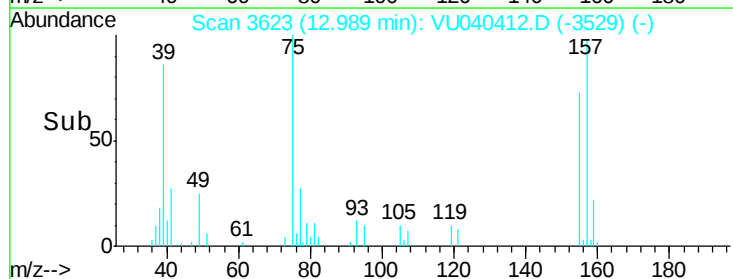
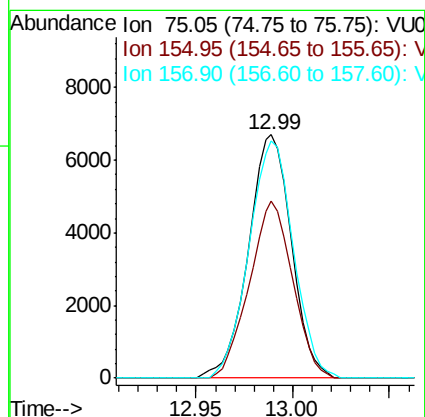
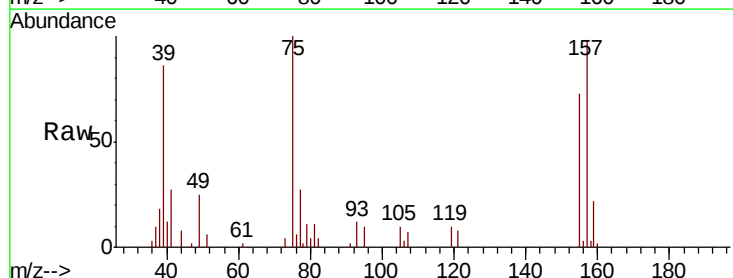
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

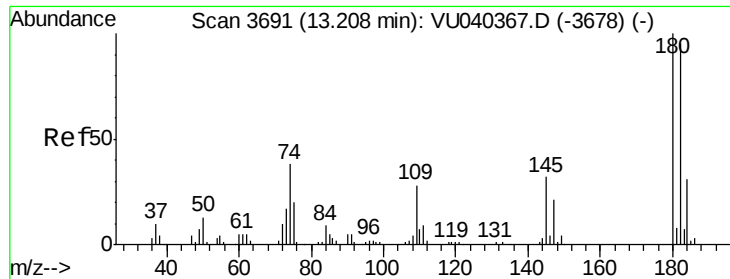
Tot Ion:146 Resp: 119019
 Ion Ratio Lower Upper
 146 100
 111 46.1 35.6 53.4
 148 63.5 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.955 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion: 75 Resp: 10376
 Ion Ratio Lower Upper
 75 100
 155 72.5 59.4 89.2
 157 97.6 65.0 97.4#

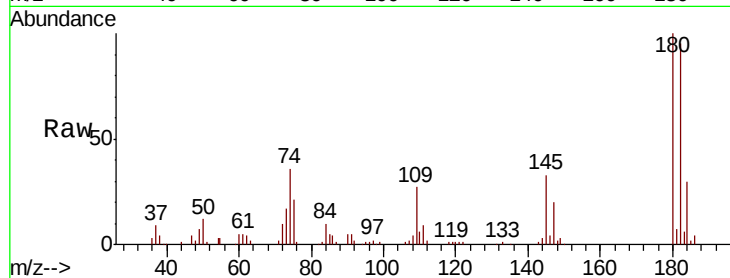




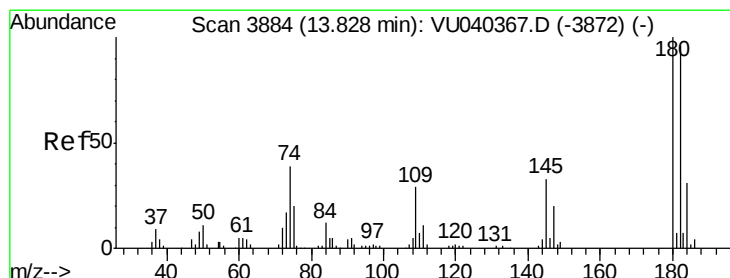
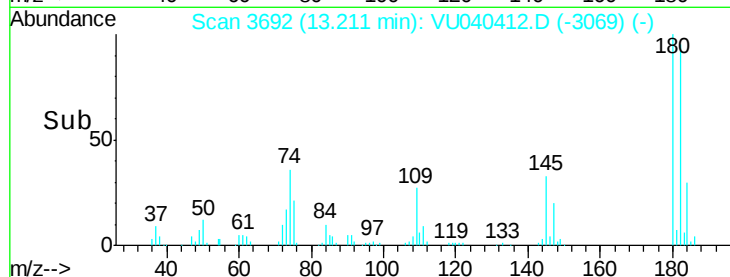
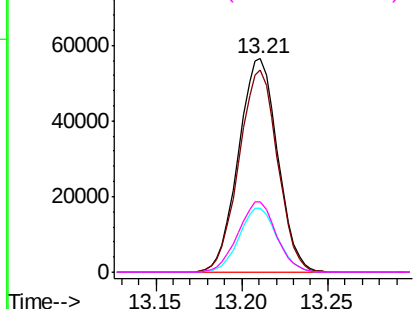
#67
 1,3,5-Trichlorobenzene
 Concen: 5.223 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00528

Tot Ion:180 Resp: 89115
 Ion Ratio Lower Upper
 180 100
 182 93.4 76.5 114.7
 184 29.1 24.6 37.0
 145 32.2 25.8 38.8

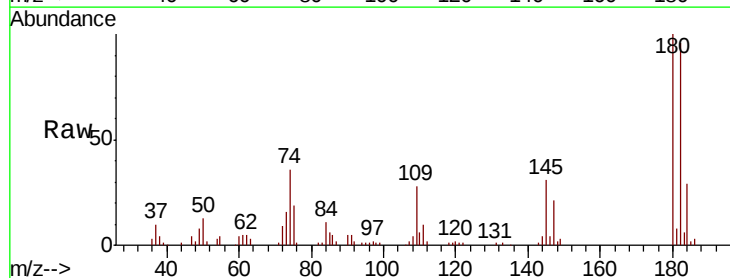


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

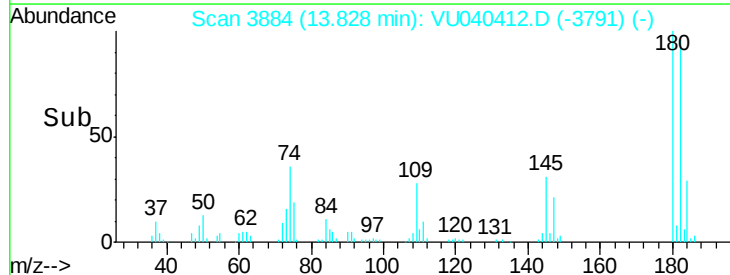
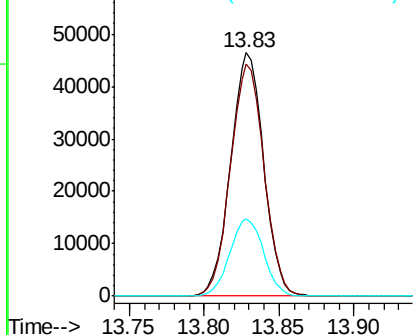


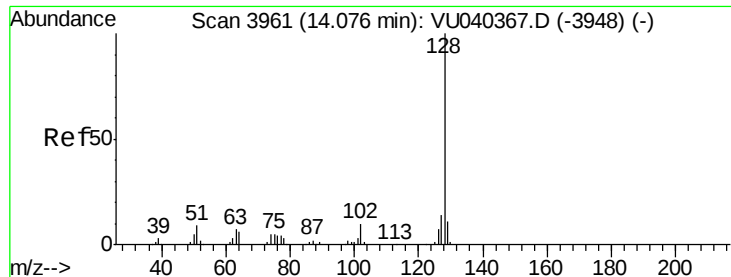
#68
 1,2,4-trichlorobenzene
 Concen: 5.200 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040412.D
 Acq: 01 Oct 2020 09:42

Tgt Ion:180 Resp: 71285
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 115.0
 145 32.3 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

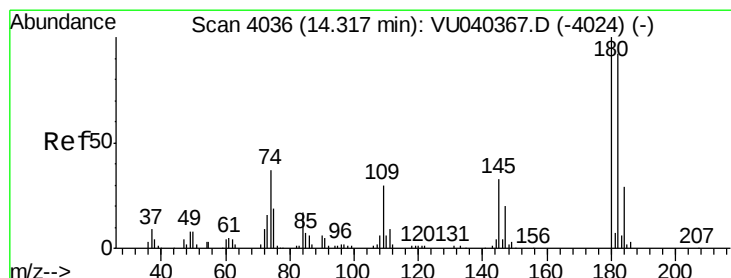
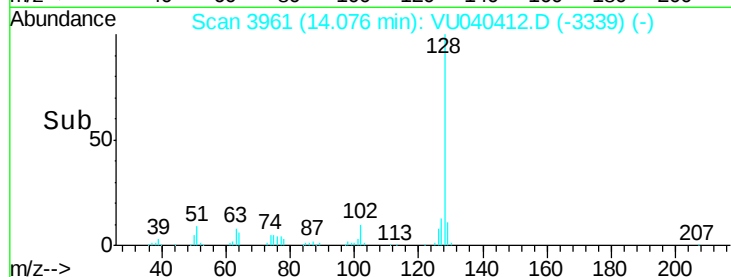
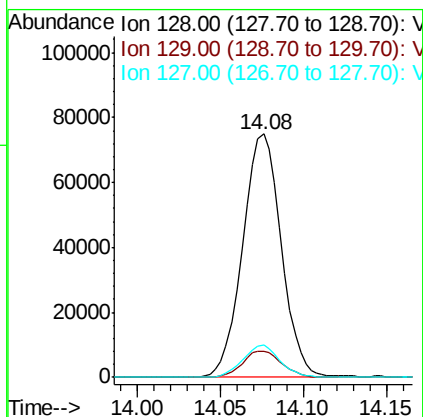
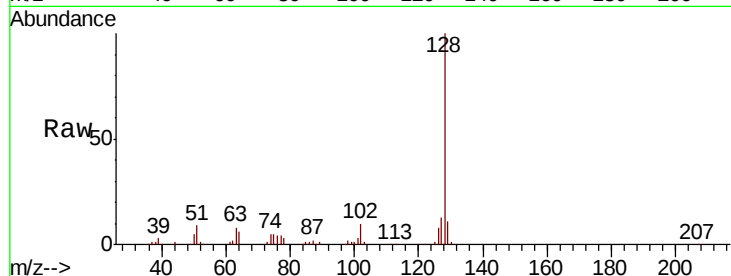




#69
Naphthalene
Concen: 5.172 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Instrument :
MSVOA_U
ClientSampleId :
VSTD00528

Tot Ion:128 Resp: 121175
Ion Ratio Lower Upper
128 100
129 11.0 8.2 12.4
127 12.7 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 5.342 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040412.D
Acq: 01 Oct 2020 09:42

Tgt Ion:180 Resp: 67012
Ion Ratio Lower Upper
180 100
182 93.7 76.6 115.0
145 34.7 27.8 41.6

