

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040387.D
 Acq On : 30 Sep 2020 02:40
 Operator : SY/MD
 Sample : VSTDCCC05EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Quant Time: Sep 30 03:01:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	133393	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	135636	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	70348	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32462	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	28973	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.58	63	80774	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.80%
20) 2-Butanone-d5	4.65	46	172394	52.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.10%
24) Chloroform-d	5.08	84	80620	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.72	65	48344	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.74	84	141238	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.70	67	49529	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.91	98	121985	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
43) trans-1,3-Dichloropropene-	8.19	79	19091	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	128497	53.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48876	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	53312	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	70745	5.289	ug/L	100
3) Chloromethane	1.53	50	64639	4.927	ug/L	99
5) Vinyl chloride	1.61	62	67742	5.254	ug/L	100
6) Bromomethane	1.87	94	28574	4.557	ug/L	98
8) Chloroethane	1.94	64	39938	5.226	ug/L	95
9) Trichlorofluoromethane	2.15	101	97256	5.468	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	60179	5.299	ug/L	99
12) 1,1-Dichloroethene	2.59	96	51622	5.082	ug/L	92
13) Acetone	2.65	43	134965	49.374	ug/L	98
14) Carbon disulfide	2.81	76	169474	5.278	ug/L	99
15) Methyl Acetate	2.97	43	34575	5.252	ug/L	97
16) Methylene chloride	3.06	84	69060	5.412	ug/L	98
17) Methyl tert-butyl Ether	3.38	73	146272	5.226	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	56735	5.401	ug/L	98
19) 1,1-Dichloroethane	3.89	63	116003	5.381	ug/L	98
21) 2-Butanone	4.73	43	234790	53.512	ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	61425	5.286	ug/L	97

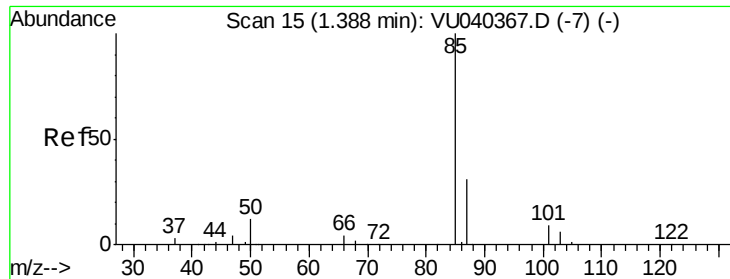
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28841	5.421	ug/L	95
25) Chloroform	5.11	83	119299	5.425	ug/L	100
27) 1,2-Dichloroethane	5.81	62	84875	5.574	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	98811	5.333	ug/L	100
30) Cyclohexane	5.41	56	99569	5.195	ug/L	98
31) Carbon tetrachloride	5.54	117	84642	5.328	ug/L	98
33) Benzene	5.79	78	247226	5.437	ug/L	100
34) Trichloroethene	6.56	95	61761	5.116	ug/L	94
35) Methylcyclohexane	6.77	83	90458	5.109	ug/L	100
37) 1,2-Dichloropropane	6.80	63	68277	5.391	ug/L	100
38) Bromodichloromethane	7.11	83	85494	5.467	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	86297	5.081	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	545095	54.964	ug/L	99
42) Toluene	7.98	91	256013	5.490	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	82459	5.266	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	48692	5.485	ug/L	99
47) Tetrachloroethene	8.56	164	44463	5.187	ug/L	98
48) 2-Hexanone	8.69	43	409449	56.028	ug/L	99
49) Dibromochloromethane	8.81	129	57183	5.537	ug/L	97
50) 1,2-Dibromoethane	8.93	107	46347	5.442	ug/L #	94
51) Chlorobenzene	9.45	112	157321	5.218	ug/L	99
52) Ethylbenzene	9.57	91	270567	5.347	ug/L	99
53) m,p-Xylene	9.69	106	100904	5.353	ug/L	100
54) o-Xylene	10.10	106	96264	5.428	ug/L	97
55) Styrene	10.11	104	170911	5.525	ug/L	99
56) Isopropylbenzene	10.48	105	258161	5.395	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	63125	5.246	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	48422	5.275	ug/L	98
61) Bromoform	10.29	173	31527	5.423	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	125568	5.391	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	130180	5.374	ug/L	98
65) 1,2-Dichlorobenzene	12.20	146	121993	5.388	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	10678	5.232	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	85498	5.142	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	68784	5.148	ug/L	99
69) Naphthalene	14.08	128	118237	5.178	ug/L	98
70) 1,2,3-Trichlorobenzene	14.32	180	66812	5.465	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.289 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

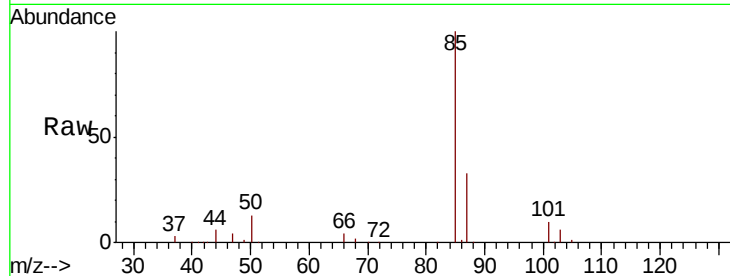
VSTD00525

Tot Ion: 85 Resp: 70745

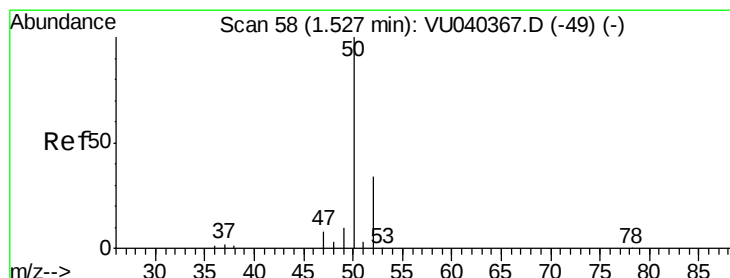
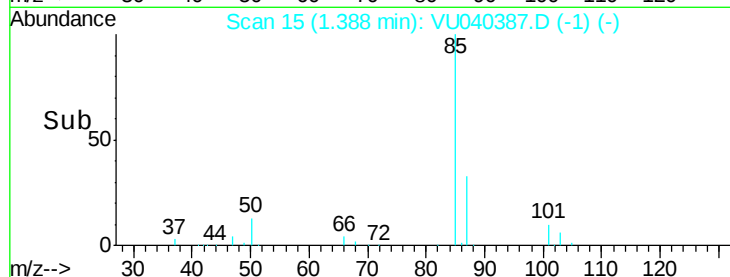
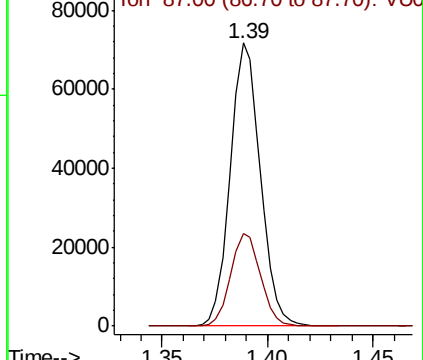
Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU040387.D (-1) (-)



#3

Chloromethane

Concen: 4.927 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040387.D

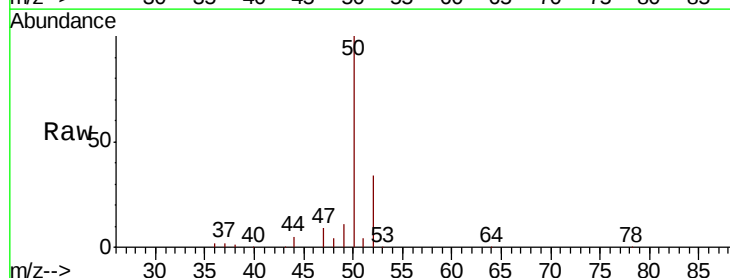
Acq: 30 Sep 2020 02:40

Tgt Ion: 50 Resp: 64639

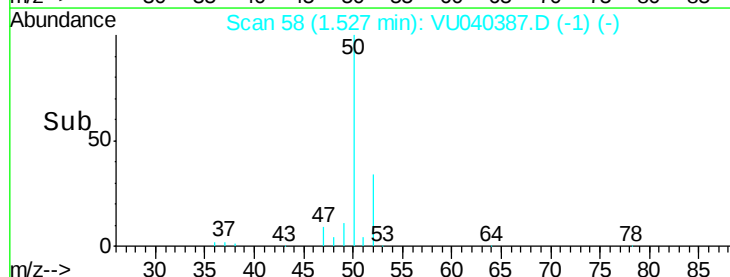
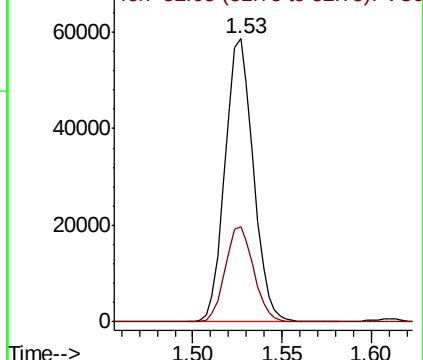
Ion Ratio Lower Upper

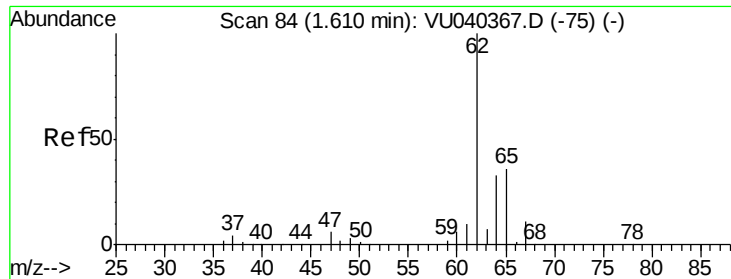
50 100

52 33.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU040387.D (-1) (-)





#5

Vinyl chloride

Concen: 5.254 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

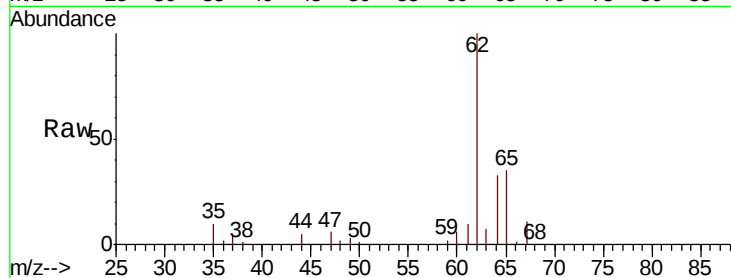
VSTD00525

Tot Ion: 62 Resp: 67742

Ion Ratio Lower Upper

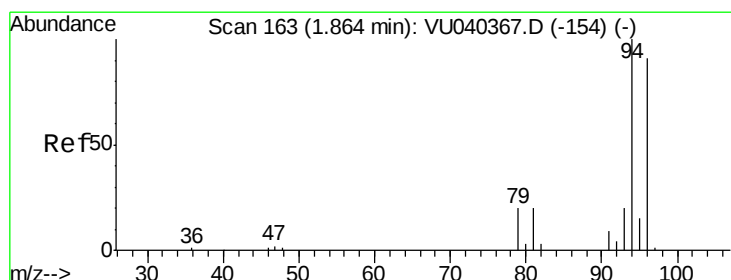
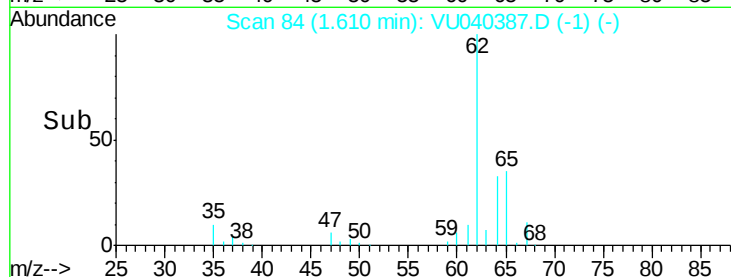
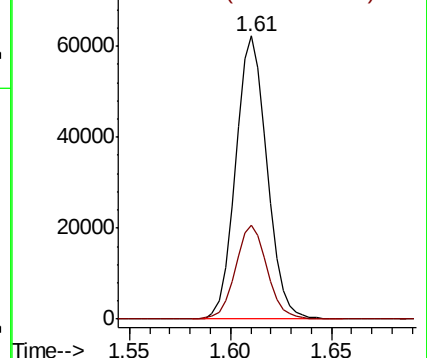
62 100

64 33.2 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: 4.557 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040387.D

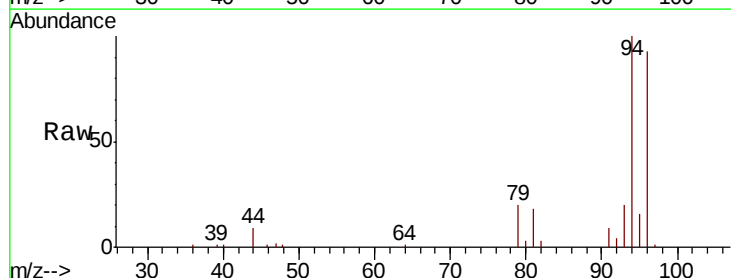
Acq: 30 Sep 2020 02:40

Tgt Ion: 94 Resp: 28574

Ion Ratio Lower Upper

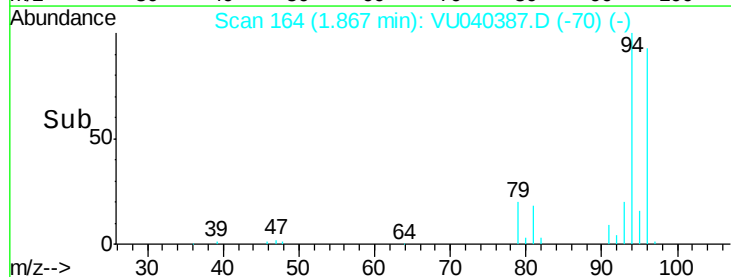
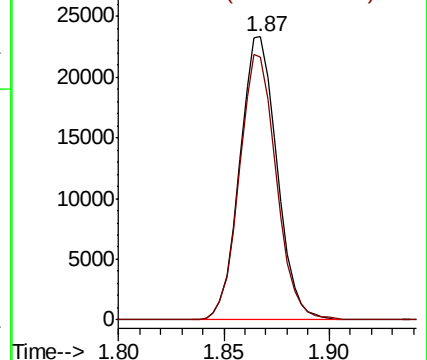
94 100

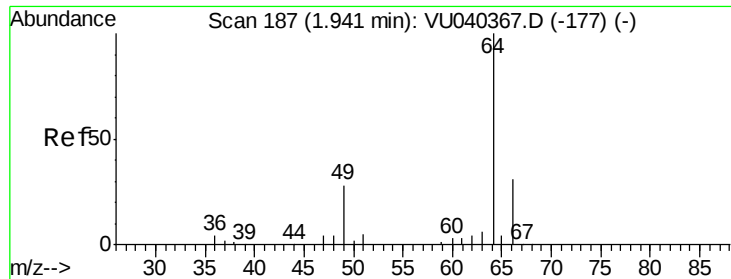
96 92.7 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

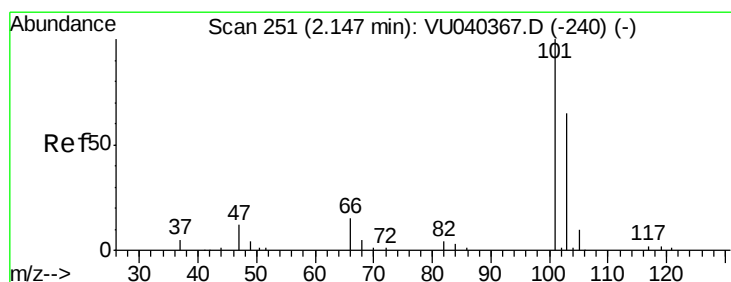
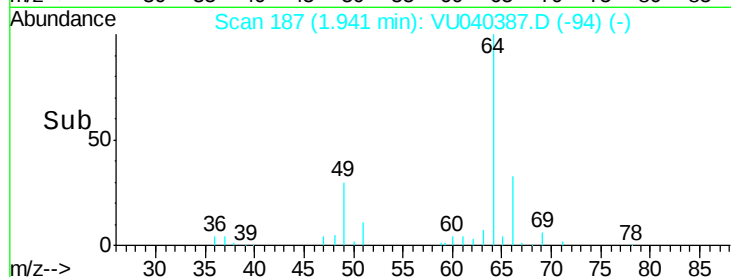
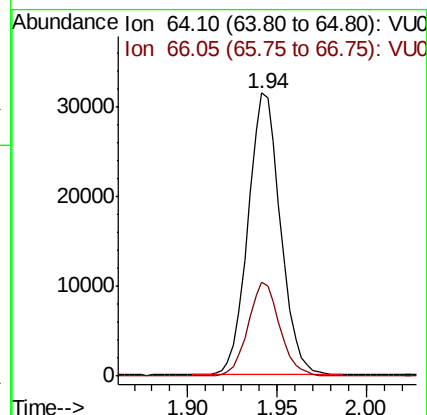
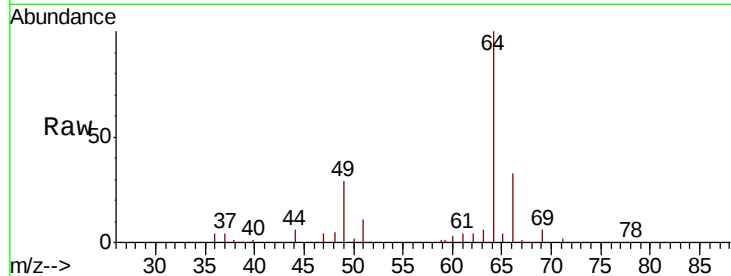




#8
Chloroethane
Concen: 5.226 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

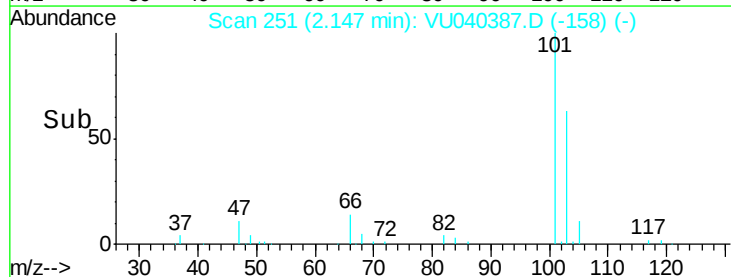
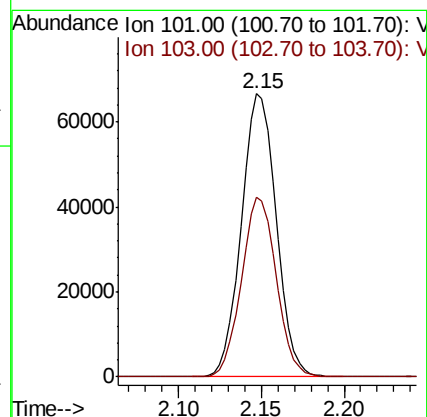
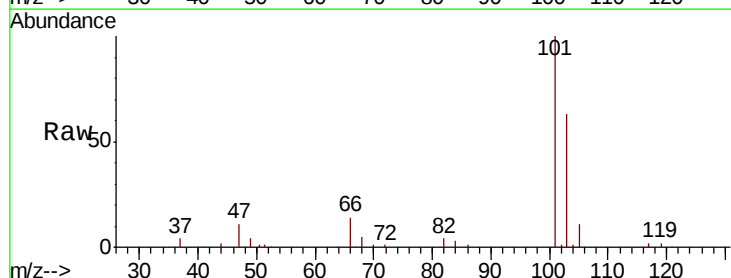
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

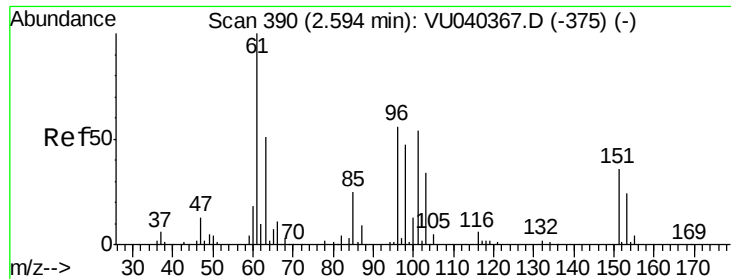
Tot Ion: 64 Resp: 39938
Ion Ratio Lower Upper
64 100
66 33.0 21.3 39.6



#9
Trichlorofluoromethane
Concen: 5.468 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion: 101 Resp: 97256
Ion Ratio Lower Upper
101 100
103 63.3 52.6 79.0





#10

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

Concen: 5.299 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

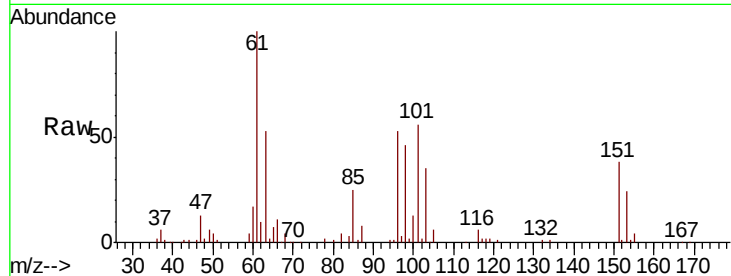
Tot Ion:101 Resp: 60179

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.6

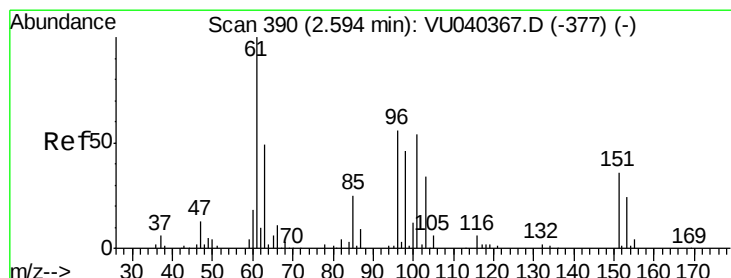
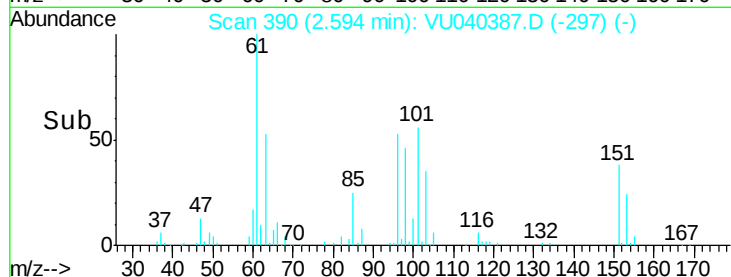
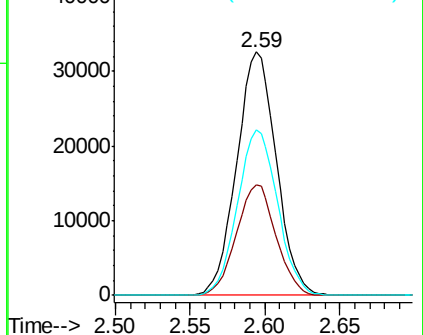
151 68.7 55.4 83.2



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: 5.082 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

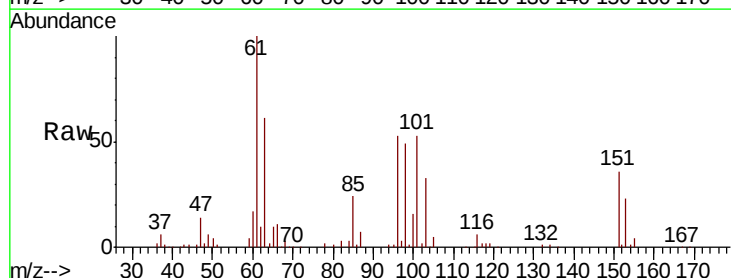
Tgt Ion: 96 Resp: 51622

Ion Ratio Lower Upper

96 100

61 187.4 128.6 238.8

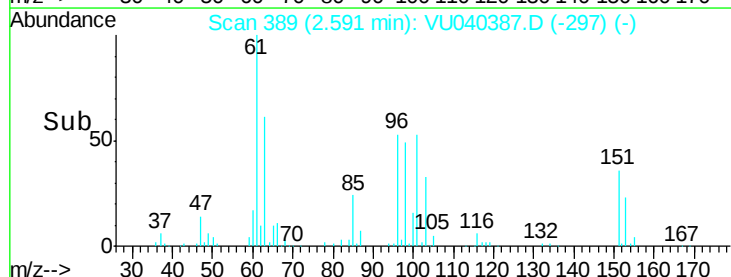
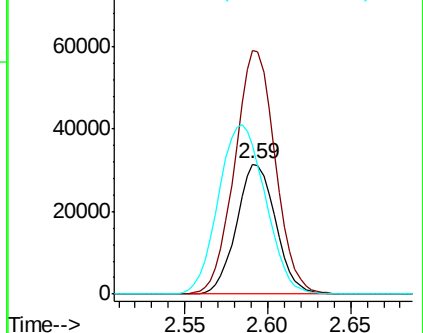
63 114.9 67.8 126.0

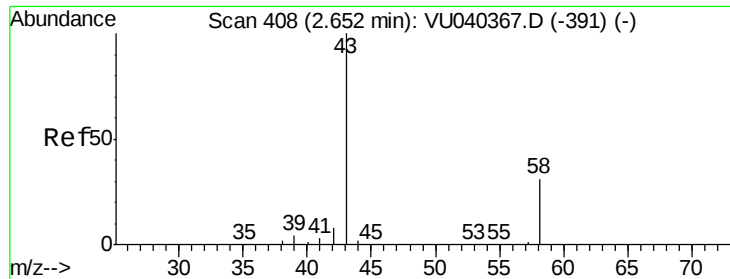


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.374 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

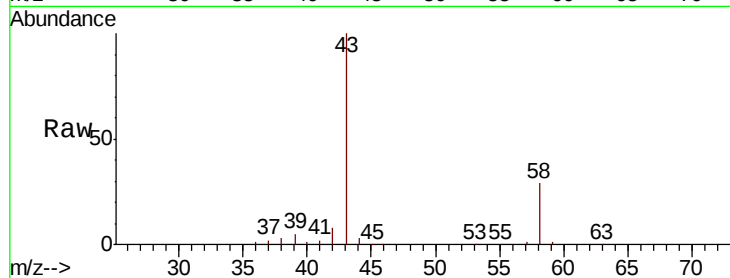
VSTD00525

Tot Ion: 43 Resp: 134965

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040387.D (-391) (-)

Ion 58.05 (57.75 to 58.75): VU040387.D (-391) (-)

2.65

60000

50000

40000

30000

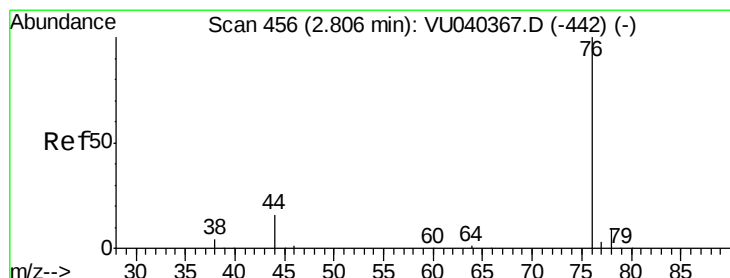
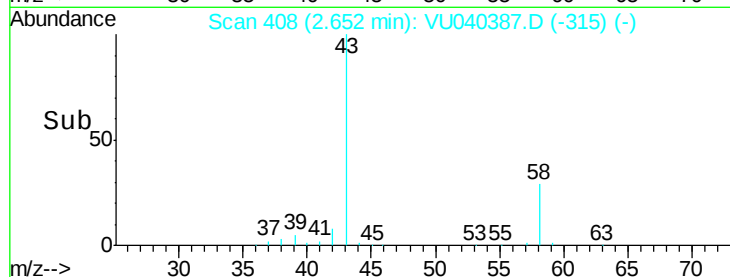
20000

10000

0

Time-->

2.60 2.70 2.80



#14

Carbon disulfide

Concen: 5.278 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040387.D

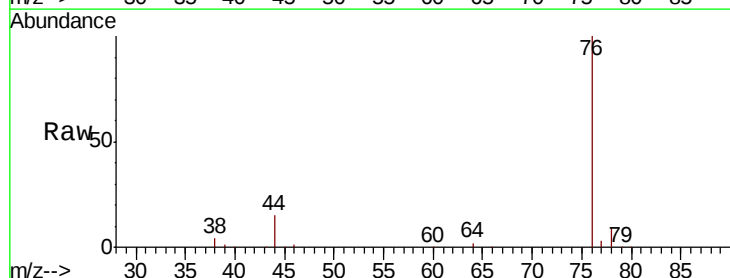
Acq: 30 Sep 2020 02:40

Tgt Ion: 76 Resp: 169474

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040387.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040387.D (-363) (-)

2.81

100000

80000

60000

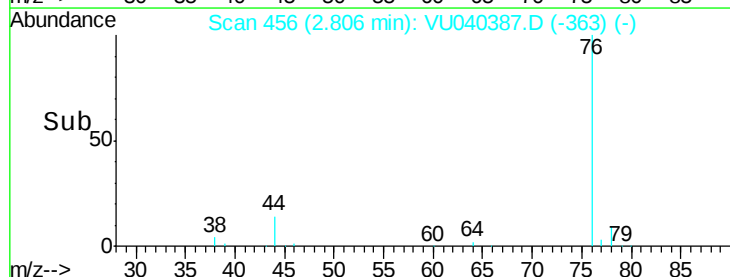
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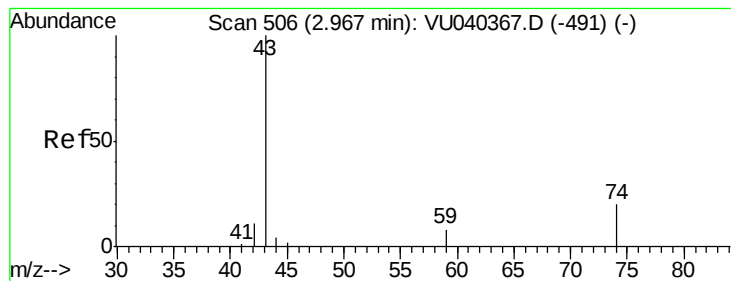
20000

0

Time-->

2.75 2.80 2.85 2.90





#15

Methvl Acetate

Concen: 5.252 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

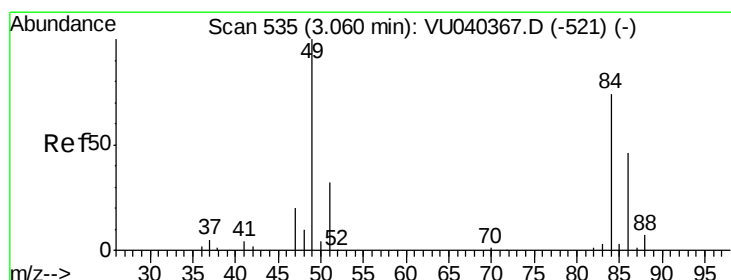
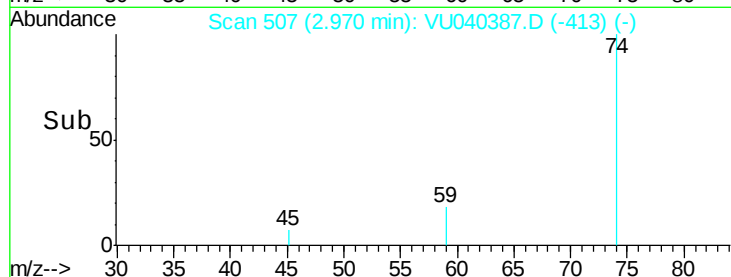
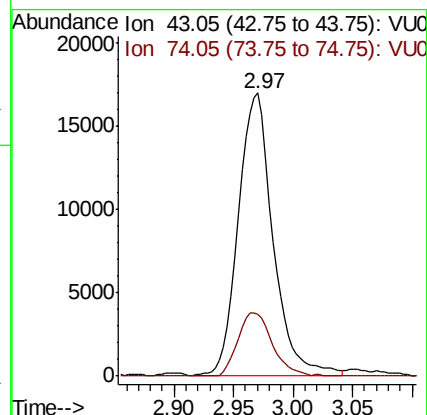
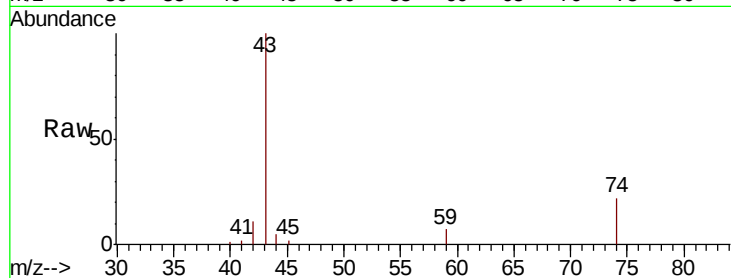
VSTD00525

Tot Ion: 43 Resp: 34575

Ion Ratio Lower Upper

43 100

74 22.0 16.3 24.5



#16

Methylene chloride

Concen: 5.412 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

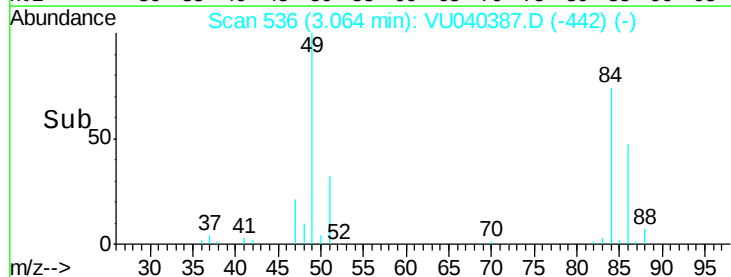
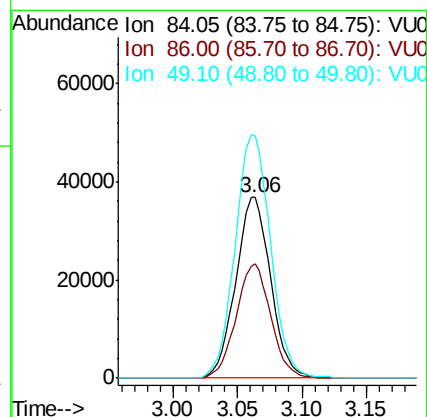
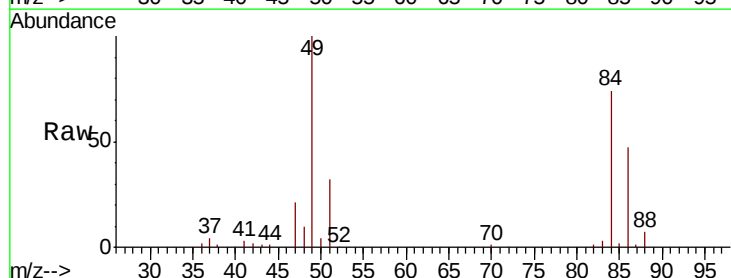
Tgt Ion: 84 Resp: 69060

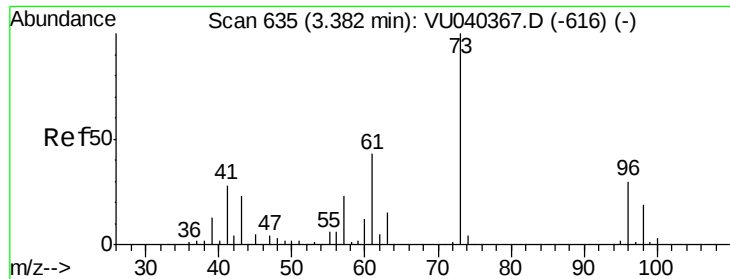
Ion Ratio Lower Upper

84 100

86 63.1 44.4 82.5

49 134.5 92.2 171.2

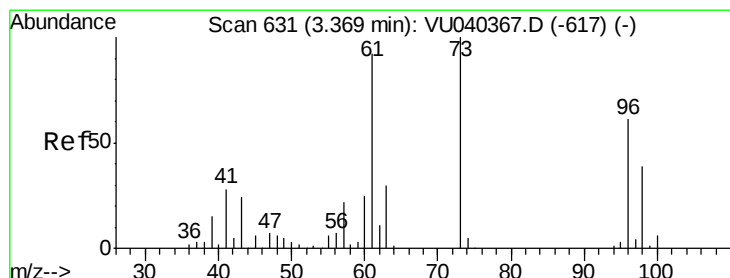
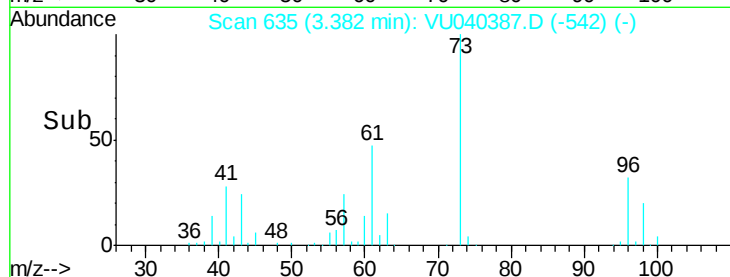
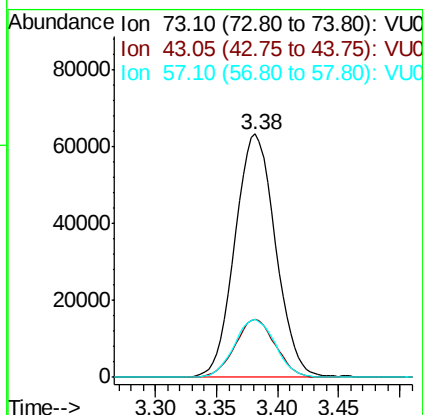
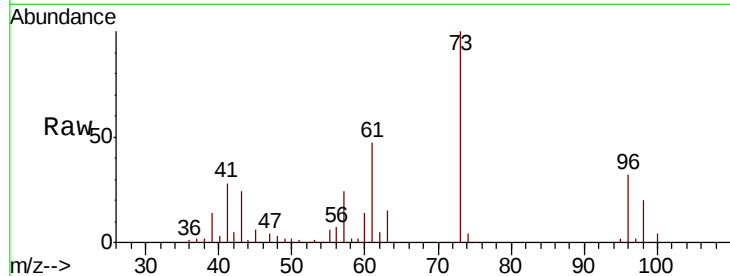




#17
Methvl tert-butvl Ether
Concen: 5.226 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

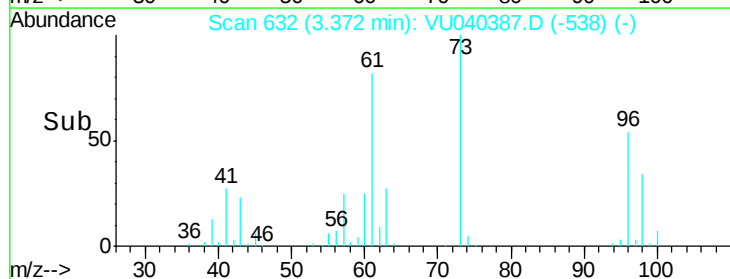
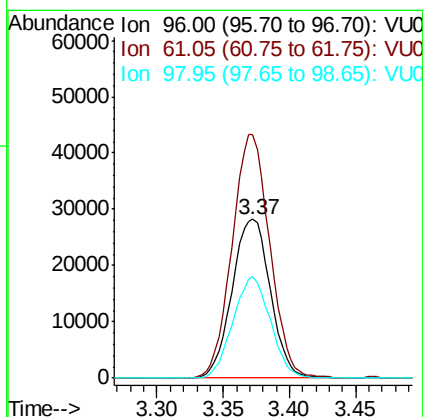
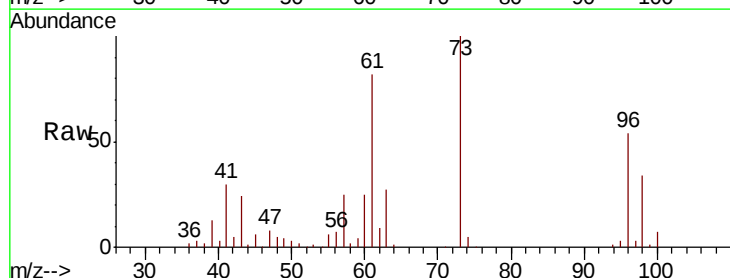
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

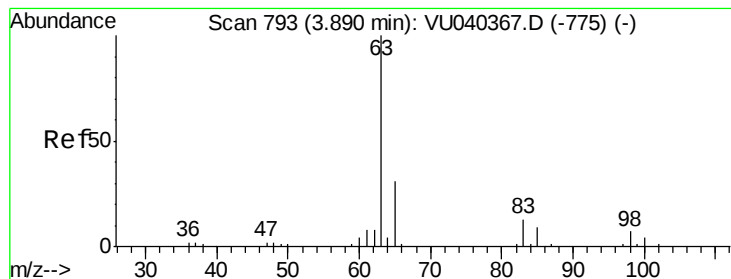
Tot Ion: 73 Resp: 146272
Ion Ratio Lower Upper
73 100
43 23.8 19.0 28.4
57 24.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 5.401 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion: 96 Resp: 56735
Ion Ratio Lower Upper
96 100
61 153.1 109.3 203.1
98 63.7 45.8 85.0





#19

1,1-Dichloroethane

Concen: 5.381 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

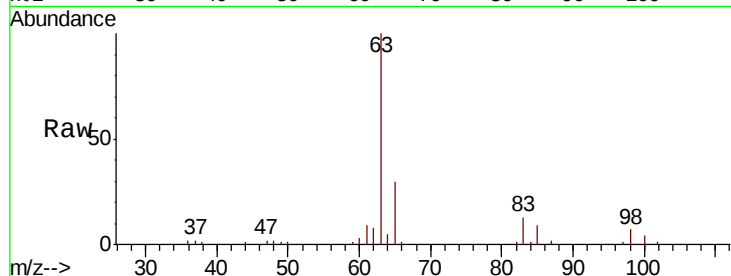
Tot Ion: 63 Resp: 116003

Ion Ratio Lower Upper

63 100

65 29.8 21.7 40.3

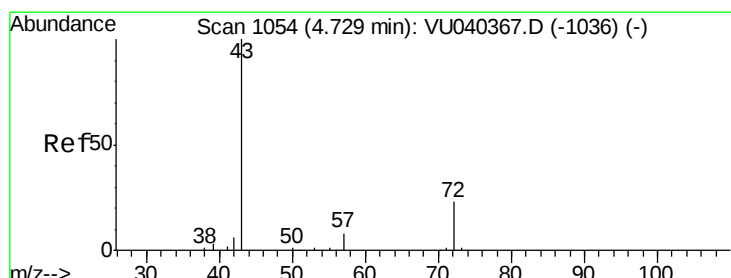
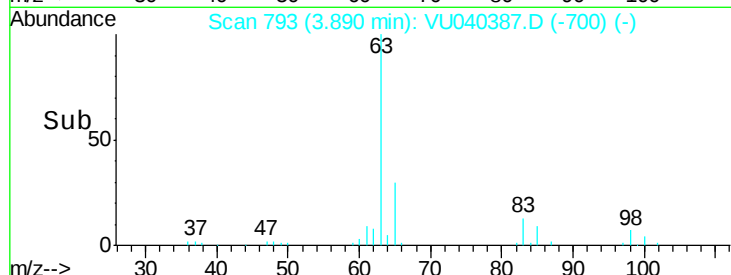
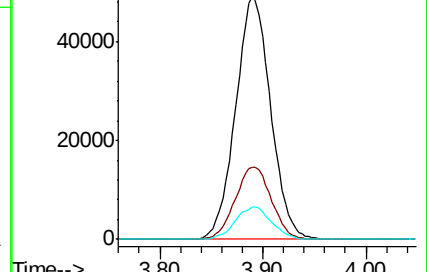
83 13.1 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VU040387.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040387.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040387.D (-775) (-)



#21

2-Butanone

Concen: 53.512 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU040387.D

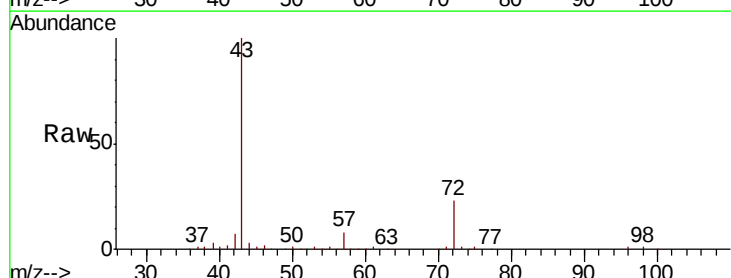
Acq: 30 Sep 2020 02:40

Tgt Ion: 43 Resp: 234790

Ion Ratio Lower Upper

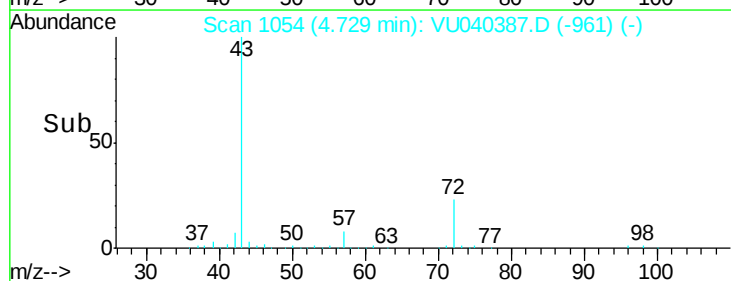
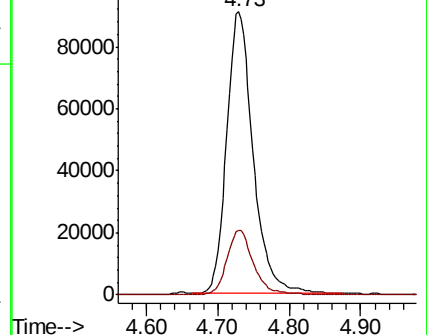
43 100

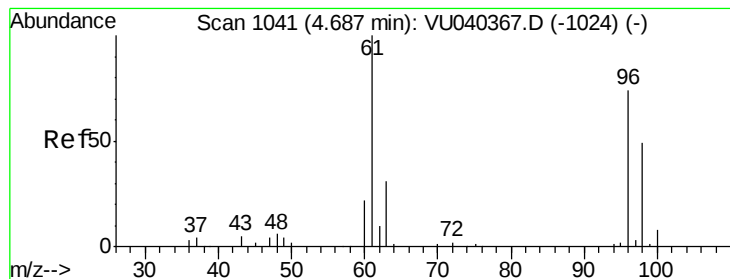
72 23.0 12.0 36.1



Abundance Ion 43.05 (42.75 to 43.75): VU040387.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU040387.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.286 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

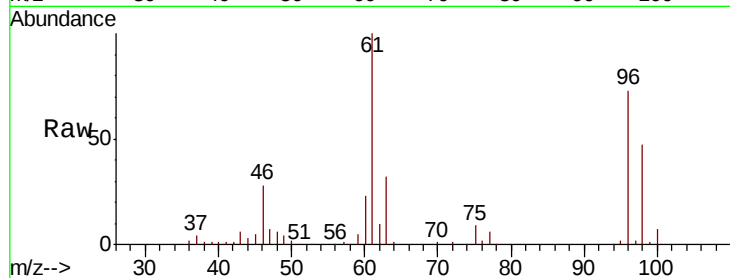
Tot Ion: 96 Resp: 61425

Ion Ratio Lower Upper

96 100

61 137.8 99.3 184.5

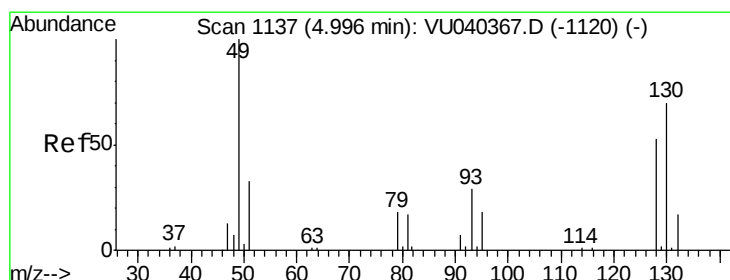
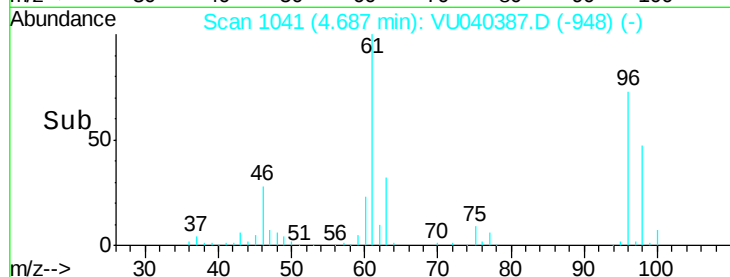
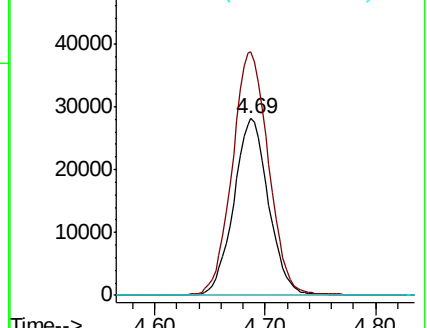
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040387.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040387.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040387.D (-1024) (-)



#23

Bromochloromethane

Concen: 5.421 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Tgt Ion: 128 Resp: 28841

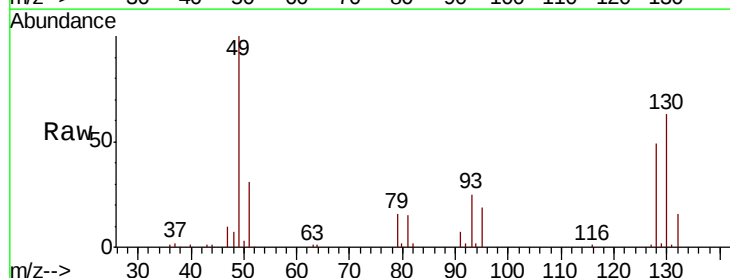
Ion Ratio Lower Upper

128 100

49 206.2 134.6 250.0

130 129.7 91.1 169.1

51 62.9 50.6 75.8

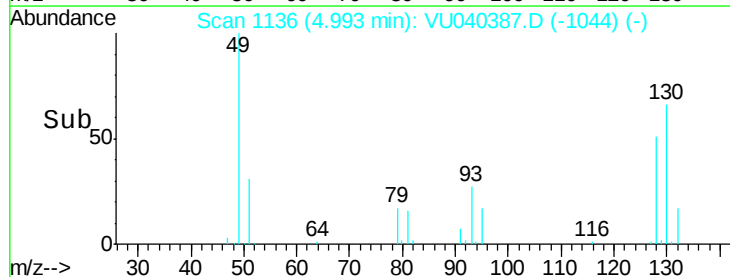
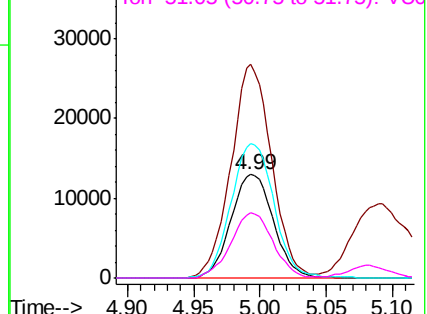


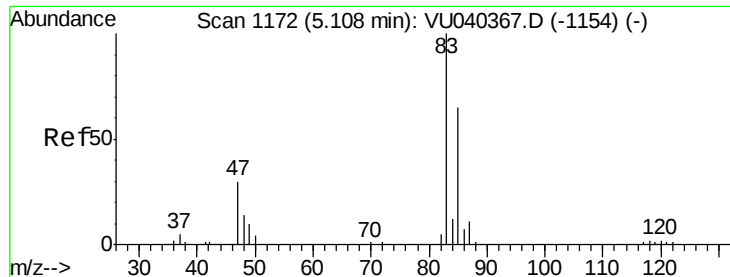
Abundance Ion 127.90 (127.60 to 128.60): VU040387.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040387.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040387.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040387.D (-1120) (-)

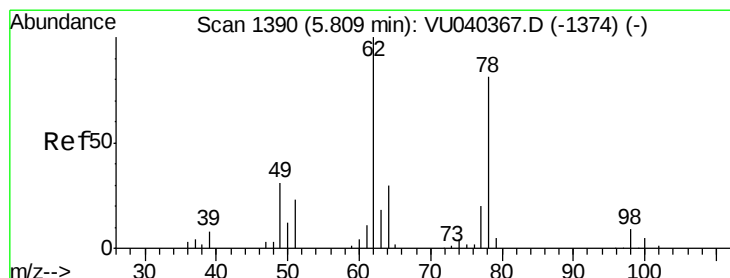
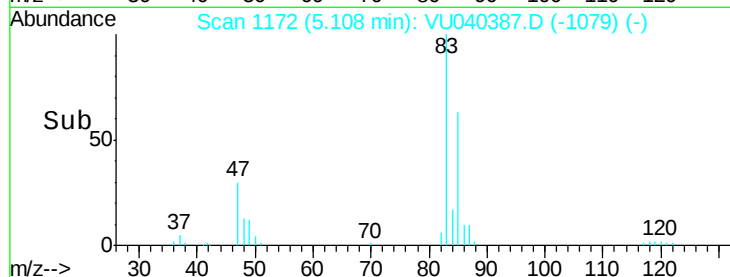
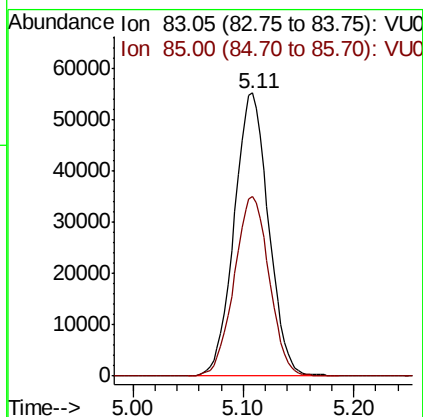
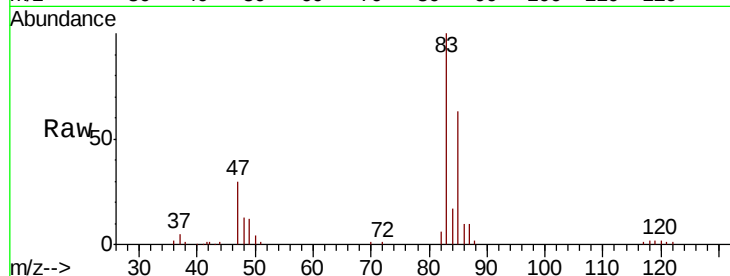




#25
Chloroform
Concen: 5.425 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

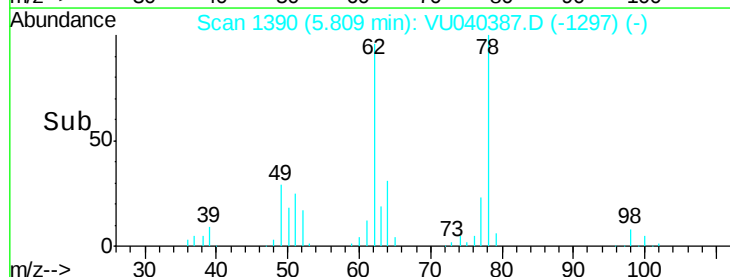
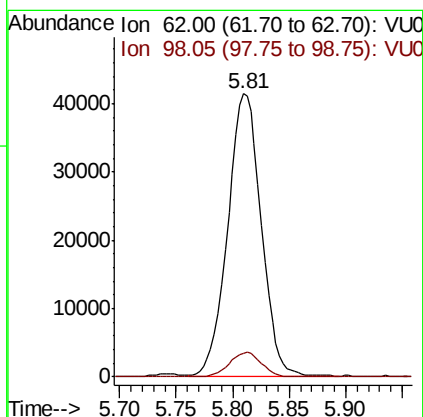
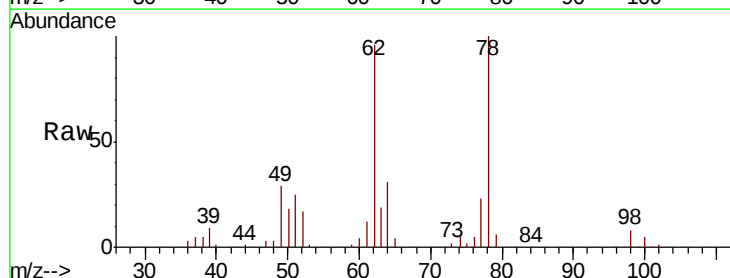
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

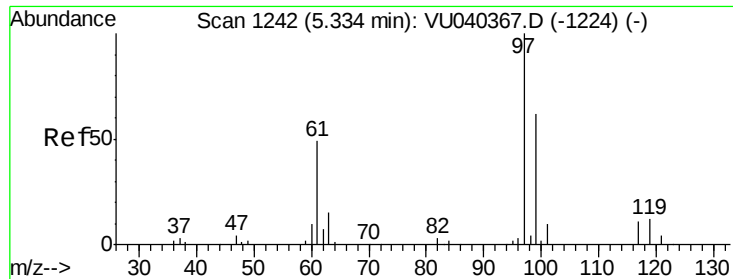
Tot Ion: 83 Resp: 119299
Ion Ratio Lower Upper
83 100
85 63.4 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.574 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion: 62 Resp: 84875
Ion Ratio Lower Upper
62 100
98 8.5 7.5 11.3

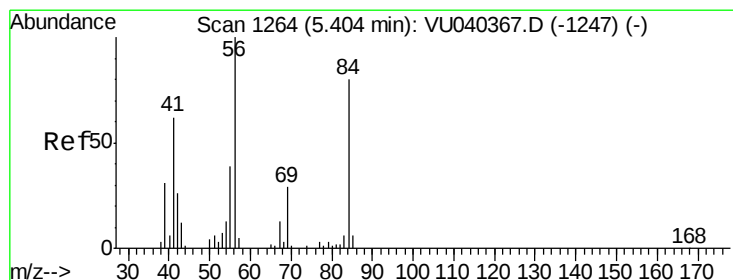
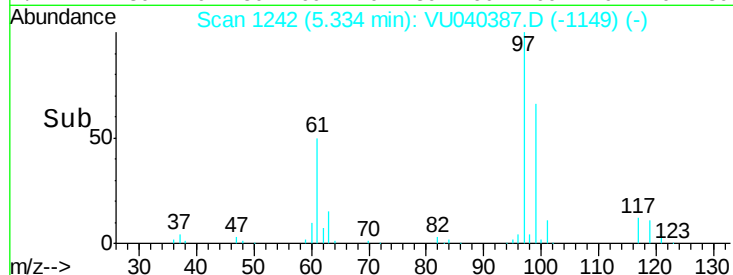
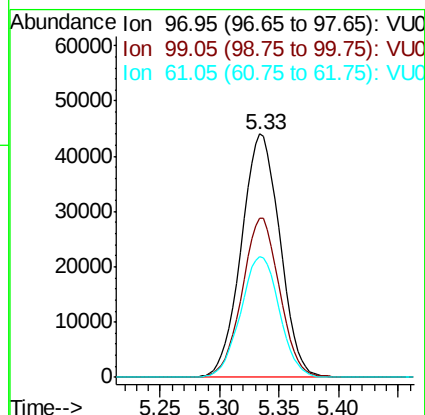
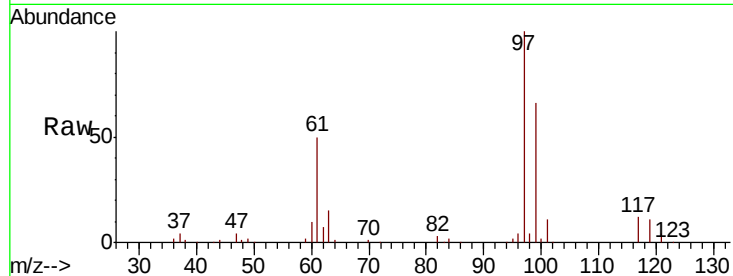




#29
 1,1,1-Trichloroethane
 Concen: 5.333 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

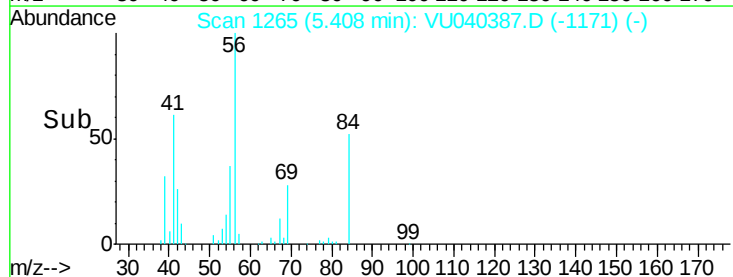
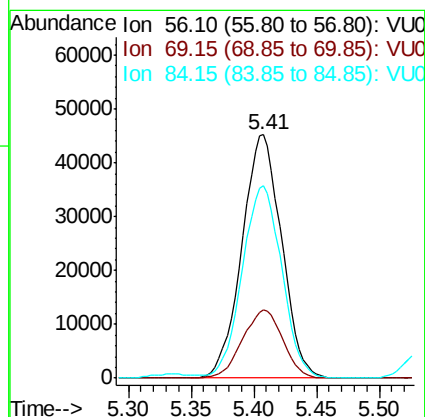
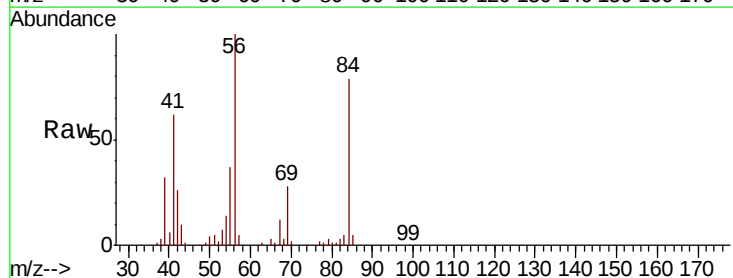
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

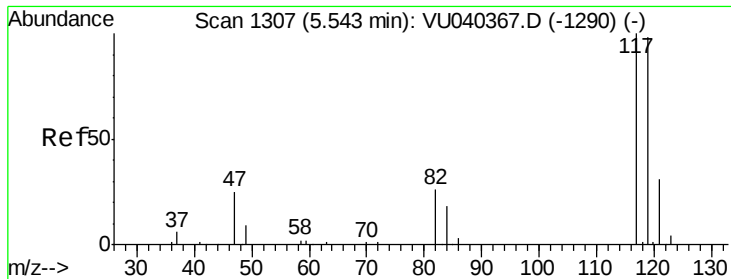
Tot Ion: 97 Resp: 98811
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.7 76.1
 61 49.9 39.7 59.5



#30
 Cyclohexane
 Concen: 5.195 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion: 56 Resp: 99569
 Ion Ratio Lower Upper
 56 100
 69 28.2 23.3 34.9
 84 78.9 64.2 96.4





#31

Carbon tetrachloride

Concen: 5.328 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

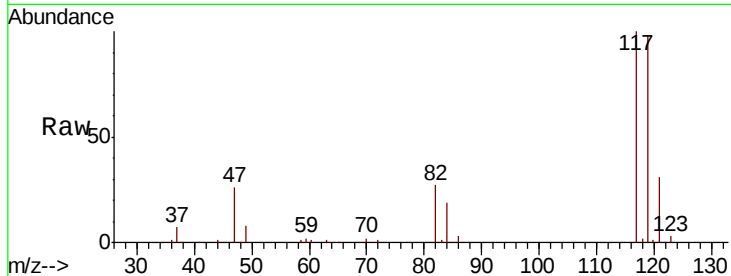
VSTD00525

Tot Ion:117 Resp: 84642

Ion Ratio Lower Upper

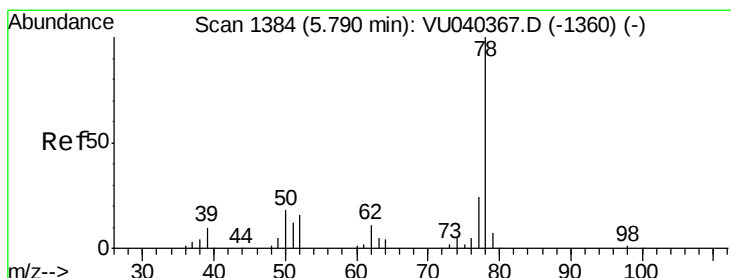
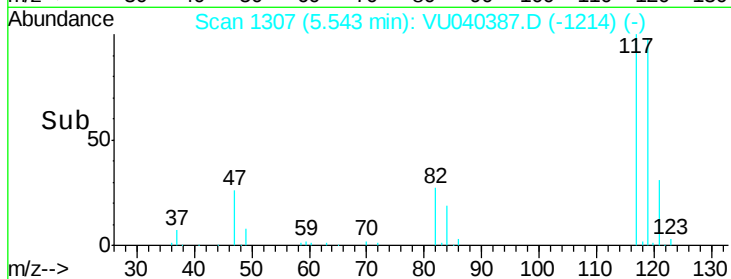
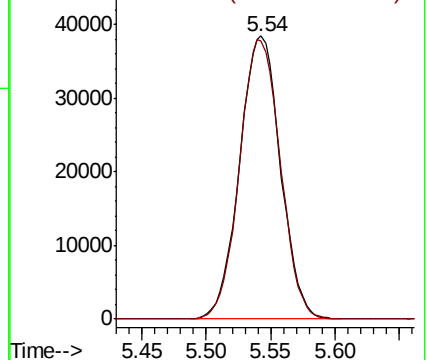
117 100

119 98.6 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: 5.437 ug/L

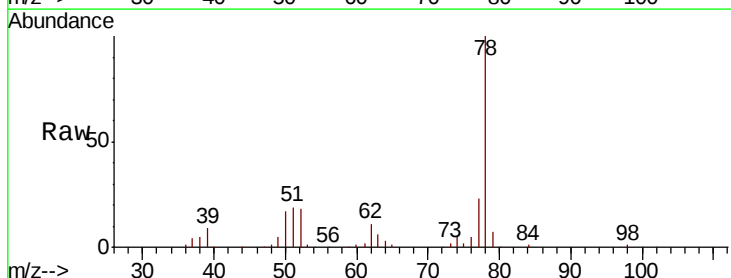
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

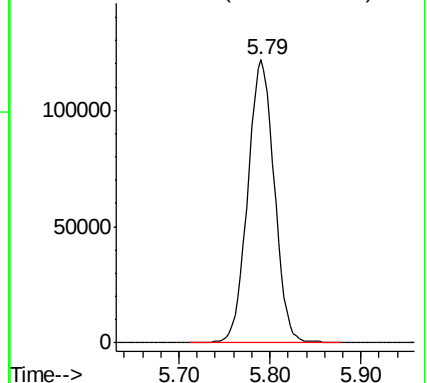
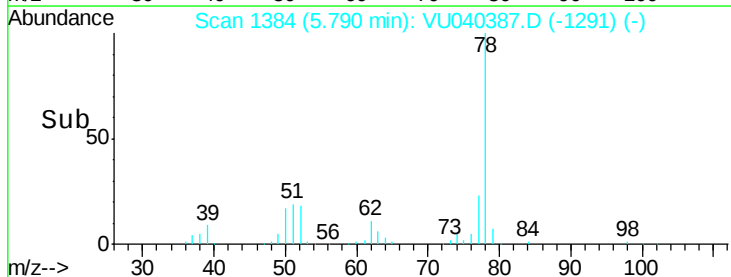
Lab File: VU040387.D

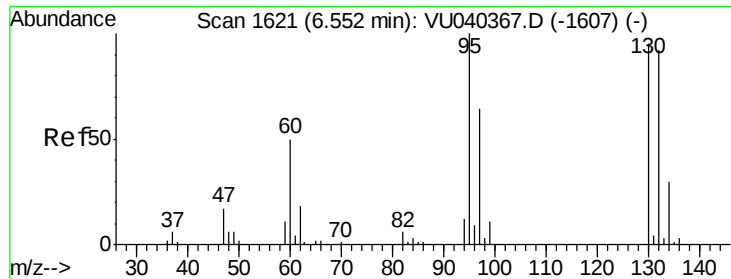
Acq: 30 Sep 2020 02:40

Tgt Ion: 78 Resp: 247226



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.116 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

Tot Ion: 95 Resp: 61761

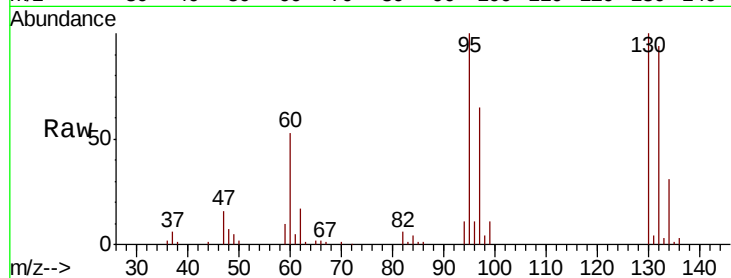
Ion Ratio Lower Upper

95 100

97 65.5 46.3 85.9

132 94.0 60.5 112.3

130 99.9 64.3 119.3

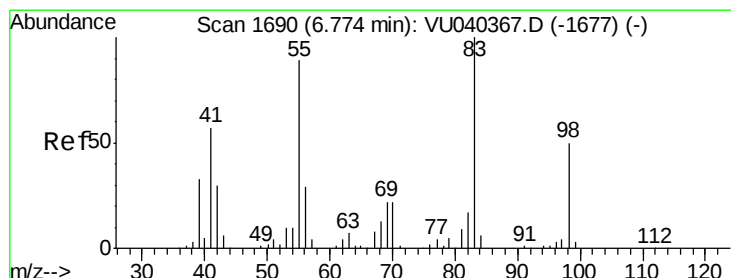
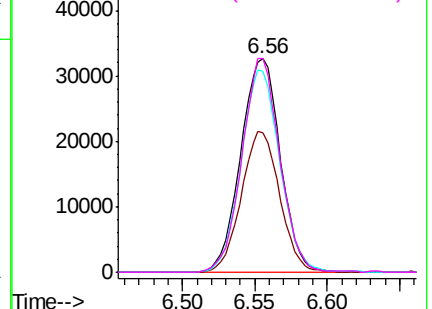
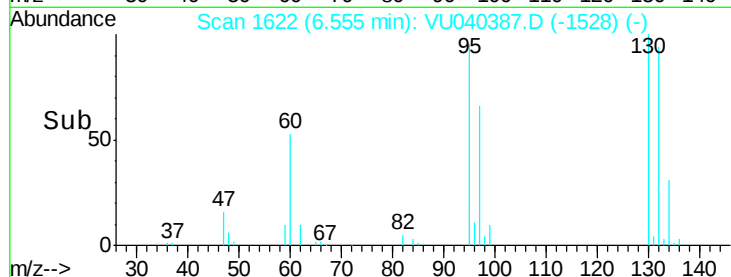


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.109 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

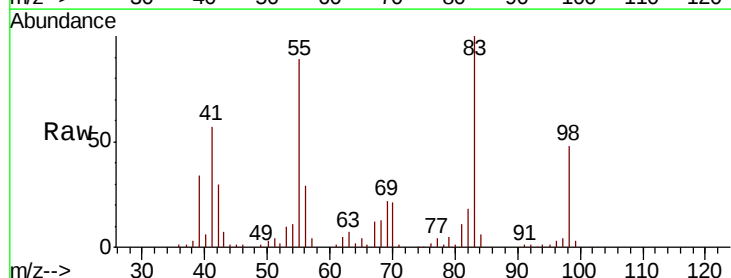
Tgt Ion: 83 Resp: 90458

Ion Ratio Lower Upper

83 100

55 89.4 71.4 107.2

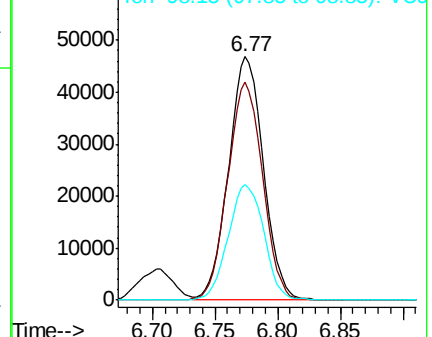
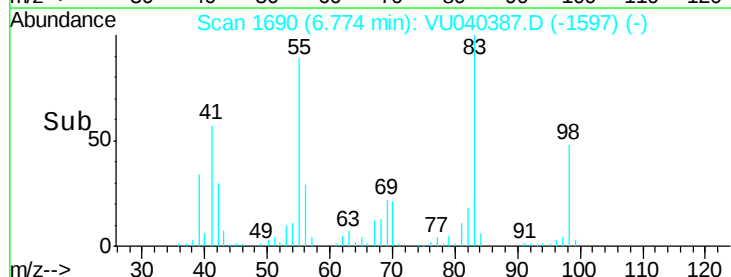
98 48.6 38.5 57.7

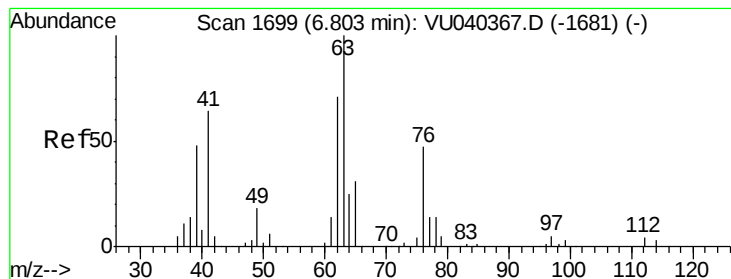


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 5.391 ug/L

RT: 6.80 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

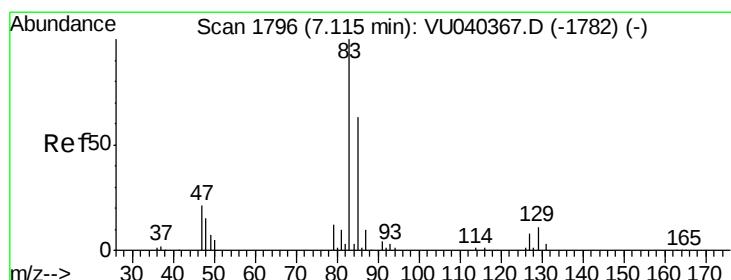
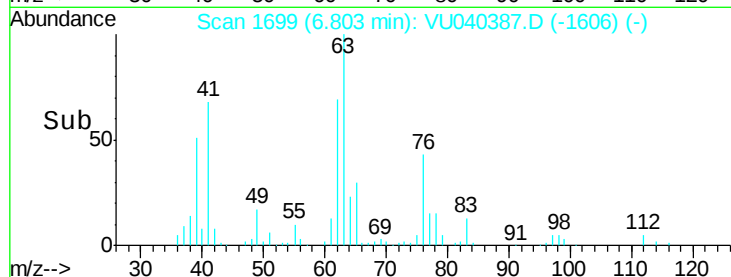
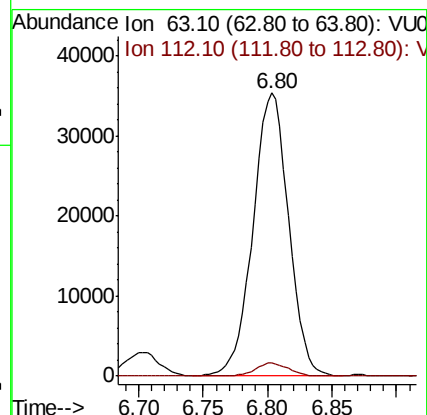
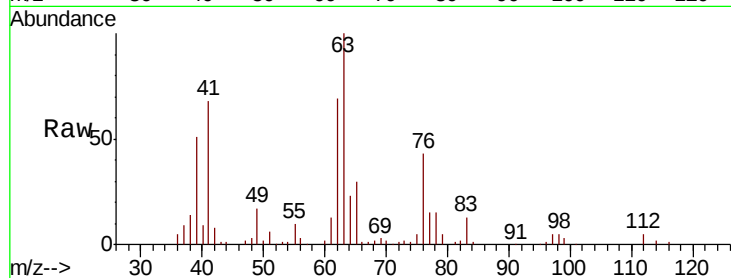
VSTD00525

Tot Ion: 63 Resp: 68277

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 5.467 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

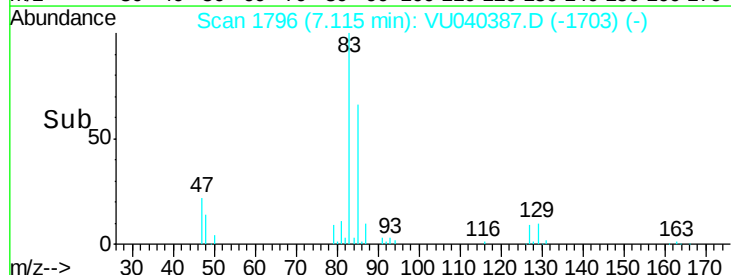
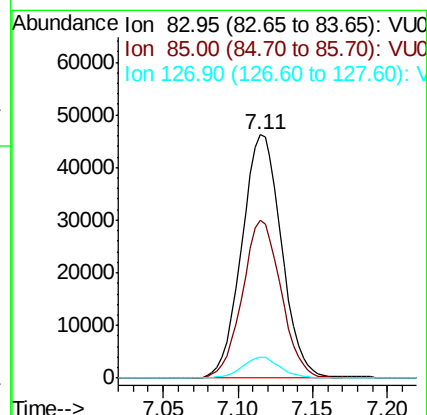
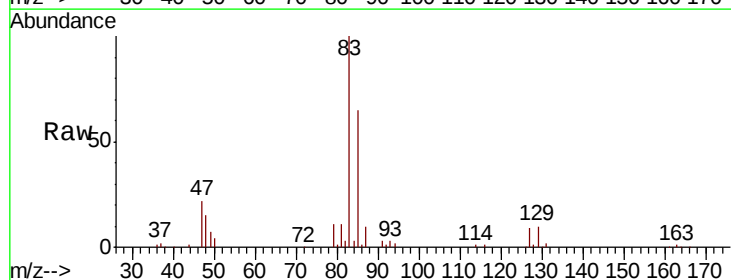
Tgt Ion: 83 Resp: 85494

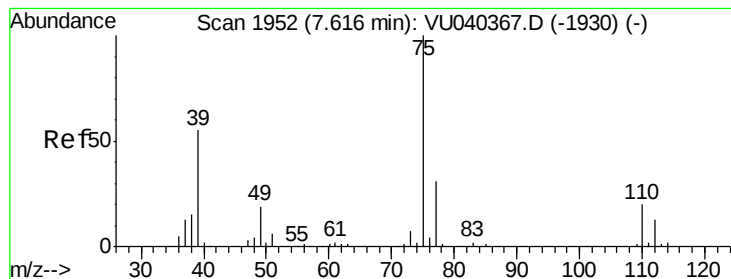
Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9

127 8.8 6.6 9.8



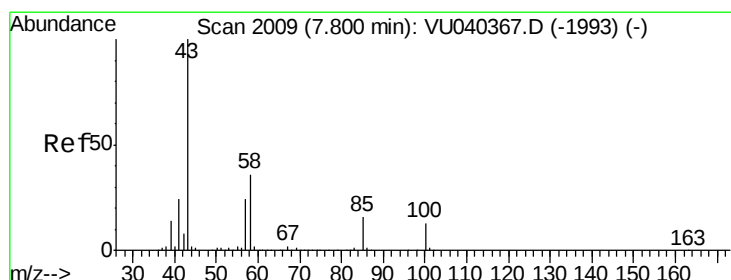
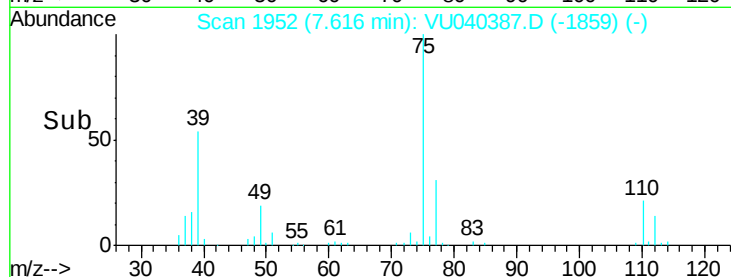
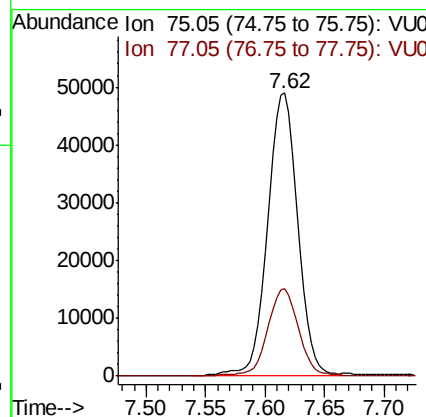
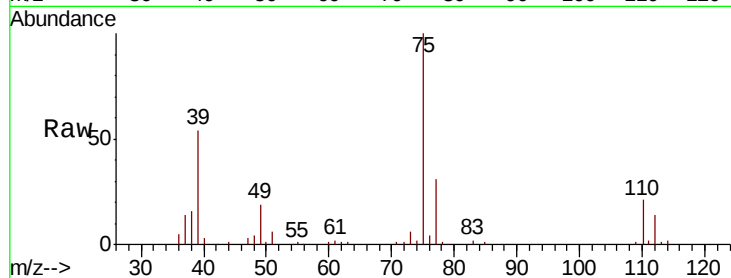


#39

cis-1,3-Dichloropropene
 Concen: 5.081 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00525

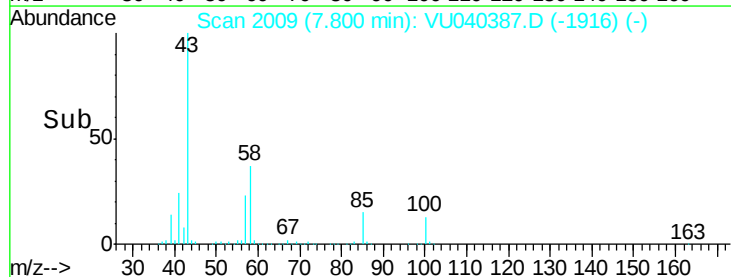
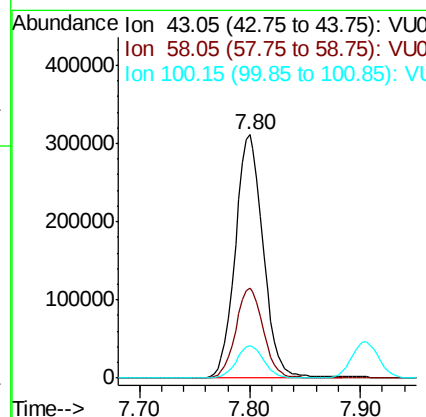
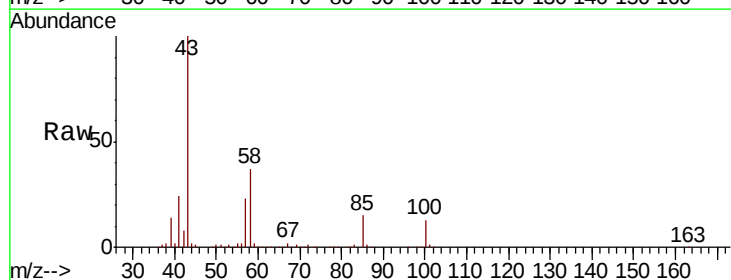
Tot Ion: 75 Resp: 86297
 Ion Ratio Lower Upper
 75 100
 77 31.0 23.5 43.7

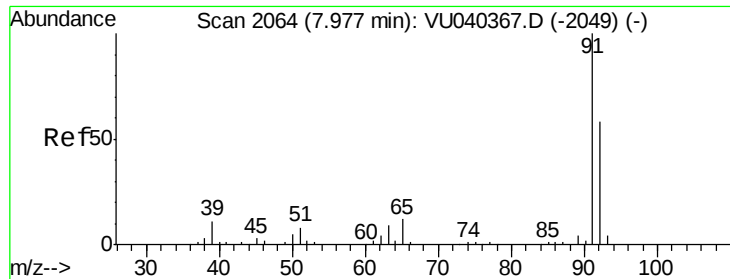


#40

4-Methyl-2-pentanone
 Concen: 54.964 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion: 43 Resp: 545095
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.2 43.8
 100 13.2 10.3 15.5





#42

Toluene

Concen: 5.490 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

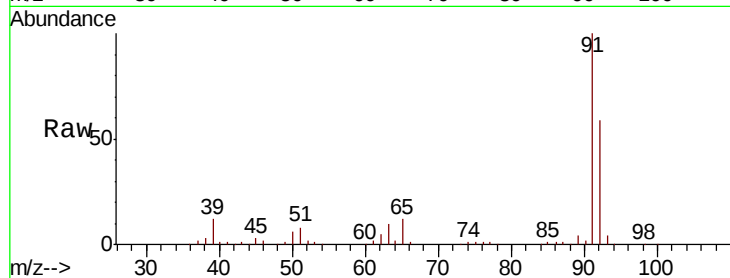
VSTD00525

Tot Ion: 91 Resp: 256013

Ion Ratio Lower Upper

91 100

92 58.7 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040367.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040367.D (-2049) (-)

7.98

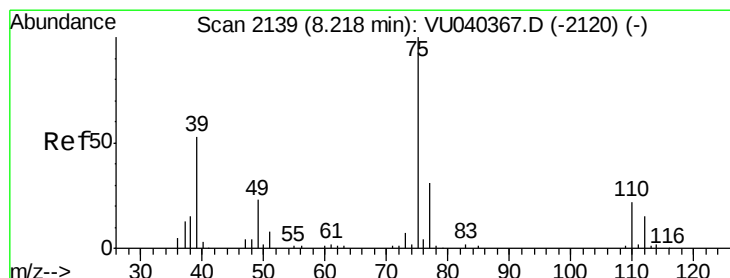
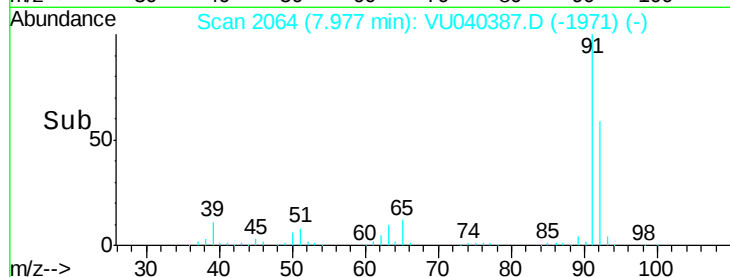
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.266 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040387.D

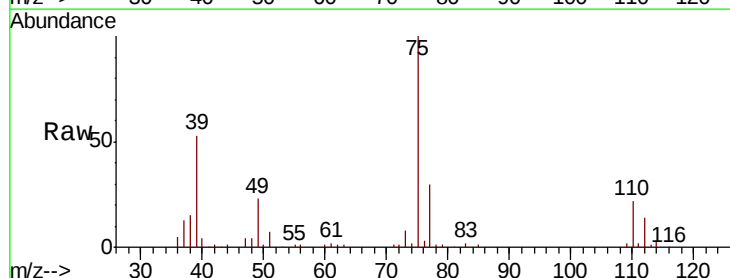
Acq: 30 Sep 2020 02:40

Tgt Ion: 75 Resp: 82459

Ion Ratio Lower Upper

75 100

77 29.5 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040367.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040367.D (-2120) (-)

8.21

50000

40000

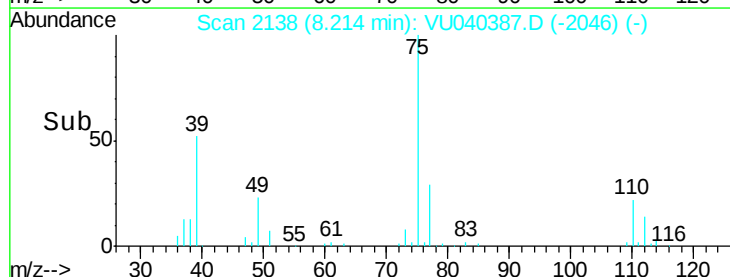
30000

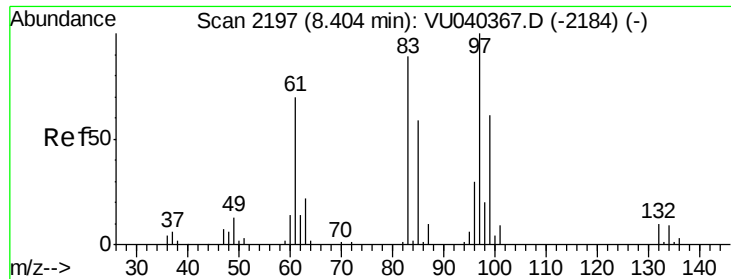
20000

10000

0

Time-->

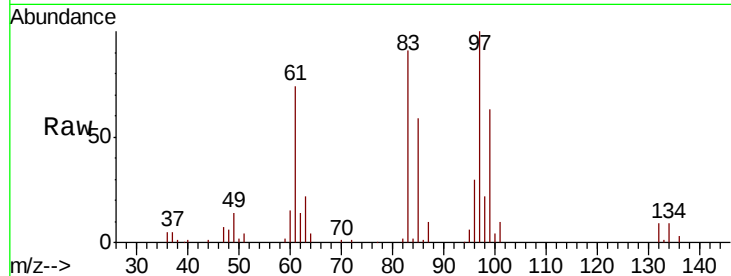




#45
 1,1,2-Trichloroethane
 Concen: 5.485 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion:	97	Resp:	48692
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.8	85.0
83	90.8	62.9	116.9
85	59.2	41.7	77.5

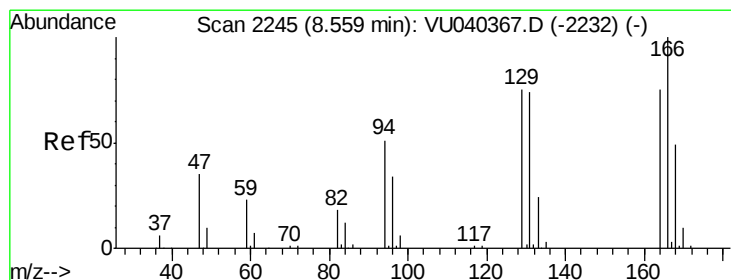
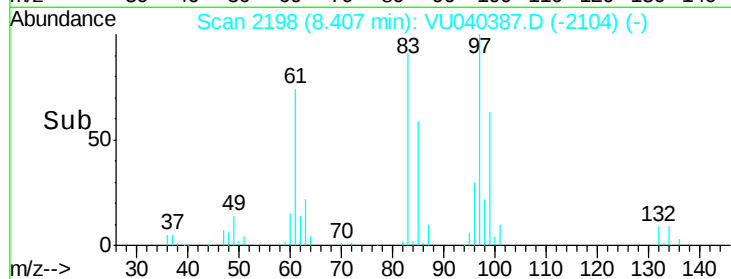
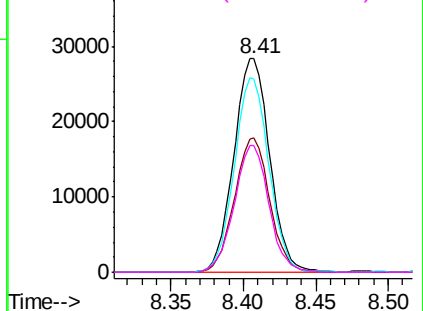


Abundance Ion 96.95 (96.65 to 97.65): VU040387.D (-2197) (-)

Ion 99.05 (98.75 to 99.75): VU040387.D (-2197) (-)

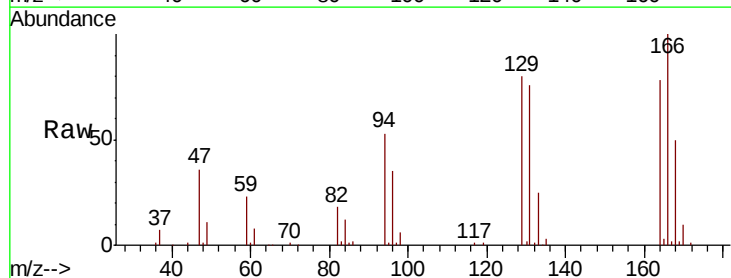
Ion 82.95 (82.65 to 83.65): VU040387.D (-2197) (-)

Ion 85.00 (84.70 to 85.70): VU040387.D (-2197) (-)



#47
 Tetrachloroethene
 Concen: 5.187 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion:	164	Resp:	44463
Ion	Ratio	Lower	Upper
164	100		
129	101.8	70.3	130.7
131	96.7	69.2	128.6
166	127.5	91.1	169.3

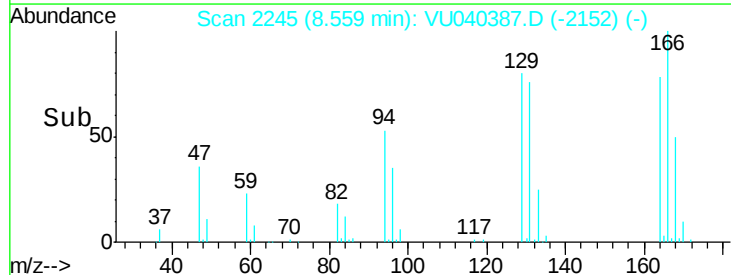
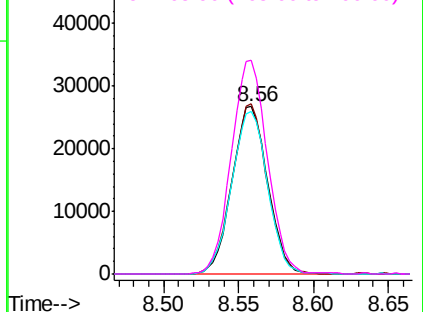


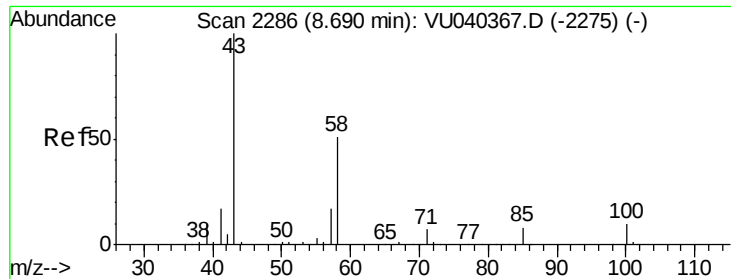
Abundance Ion 163.90 (163.60 to 164.60): VU040387.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU040387.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU040387.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU040387.D (-2245) (-)

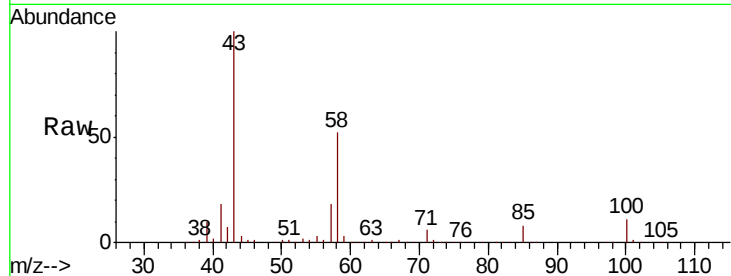




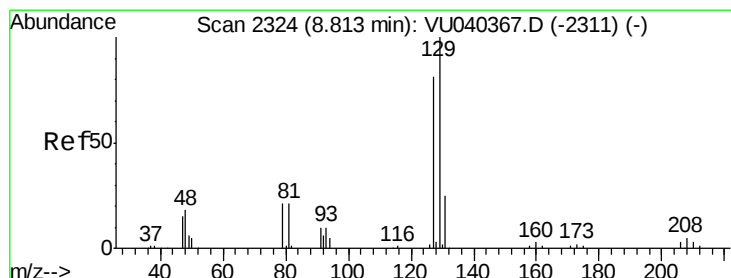
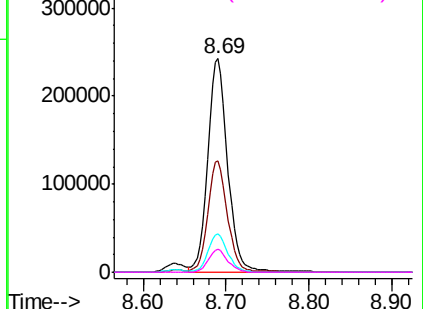
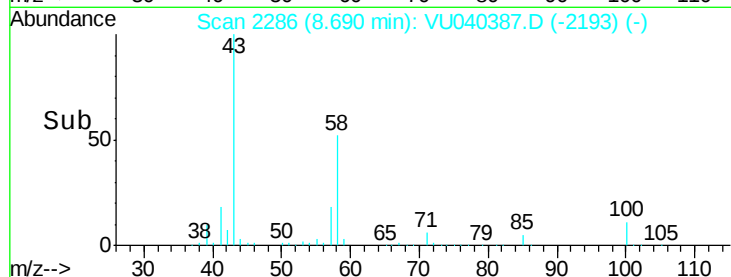
#48
2-Hexanone
Concen: 56.028 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion: 43 Resp: 409449
Ion Ratio Lower Upper
43 100
58 51.0 41.0 61.4
57 17.6 14.6 22.0
100 10.4 8.2 12.4

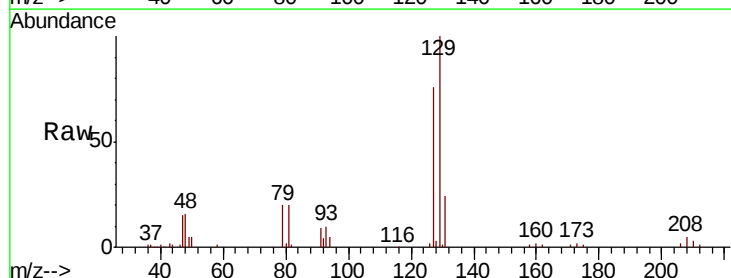


Abundance Ion 43.05 (42.75 to 43.75): VU040387.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040387.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040387.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040387.D (-2193) (-)

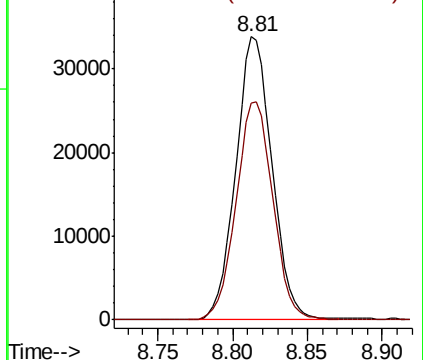
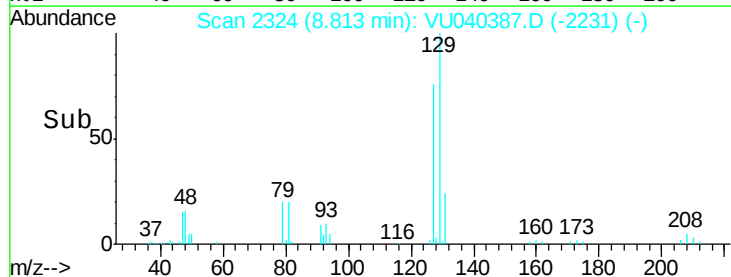


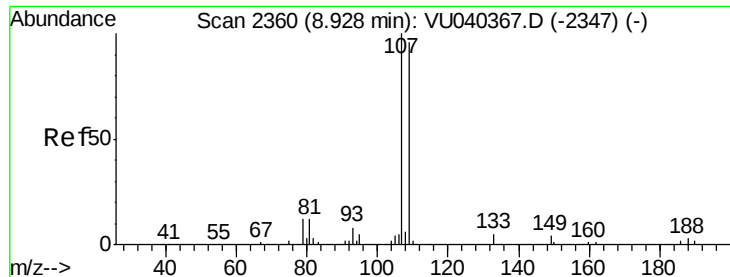
#49
Dibromochloromethane
Concen: 5.537 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion: 129 Resp: 57183
Ion Ratio Lower Upper
129 100
127 76.4 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040387.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040387.D (-2231) (-)

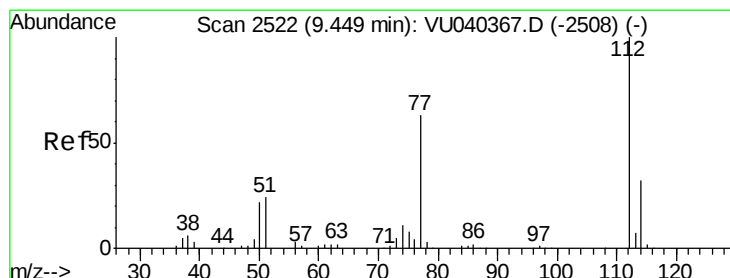
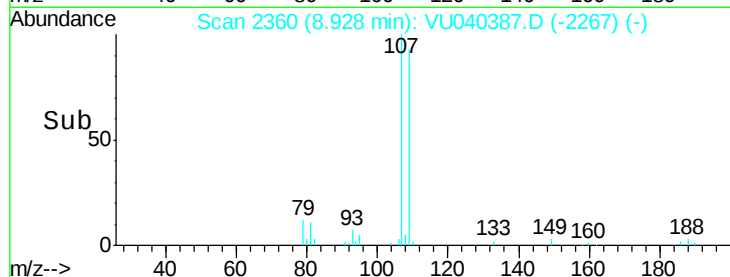
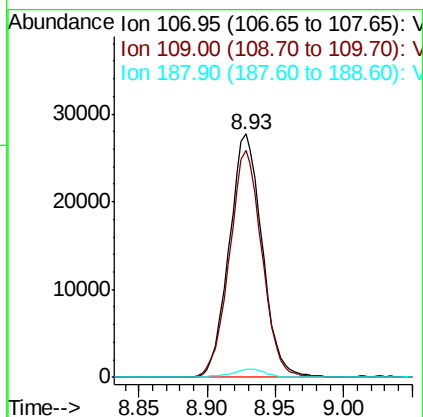
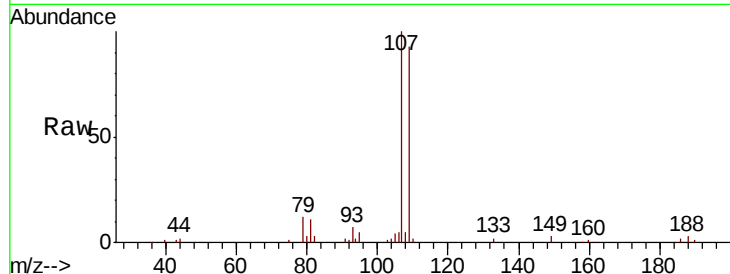




#50
 1,2-Dibromoethane
 Concen: 5.442 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

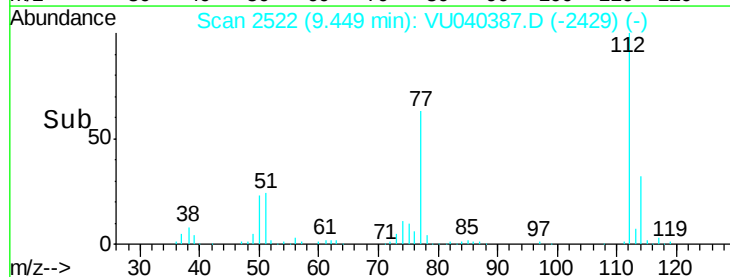
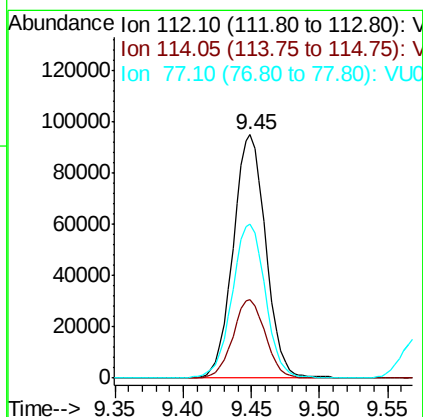
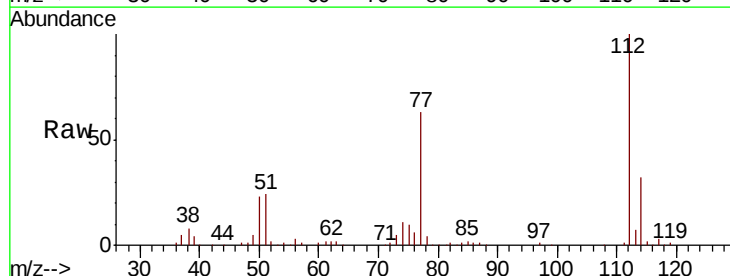
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

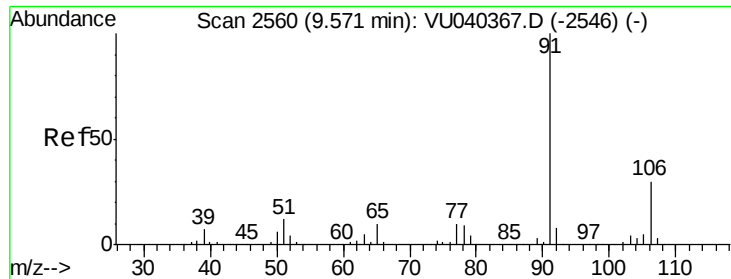
Tot Ion:107 Resp: 46347
 Ion Ratio Lower Upper
 107 100
 109 93.3 69.4 128.8
 188 3.2 3.3 4.9#



#51
 Chlorobenzene
 Concen: 5.218 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion:112 Resp: 157321
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.0 40.8
 77 63.0 49.5 74.3

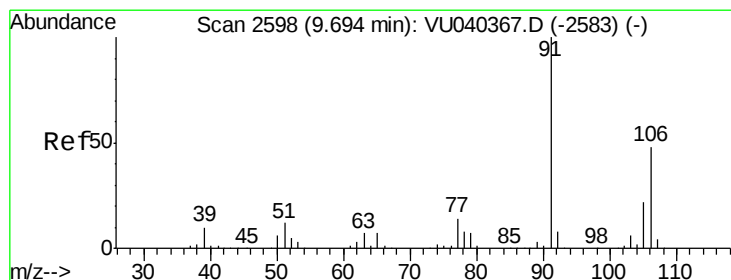
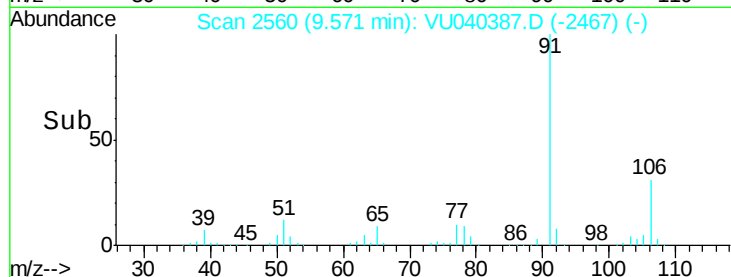
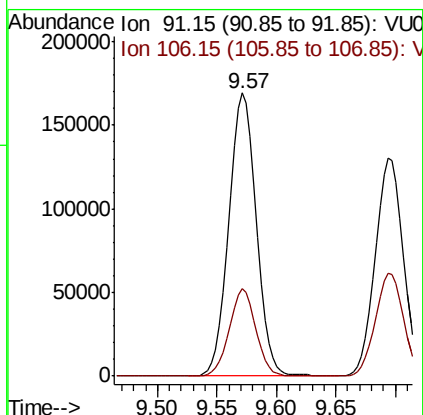
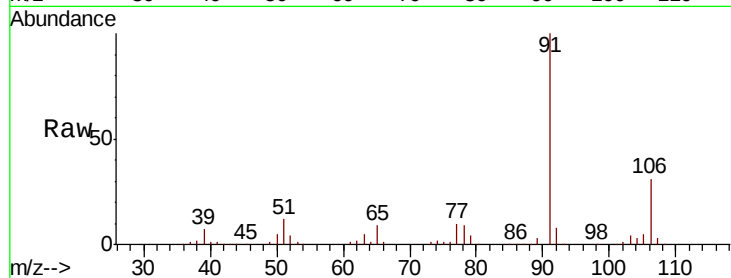




#52
Ethylbenzene
Concen: 5.347 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

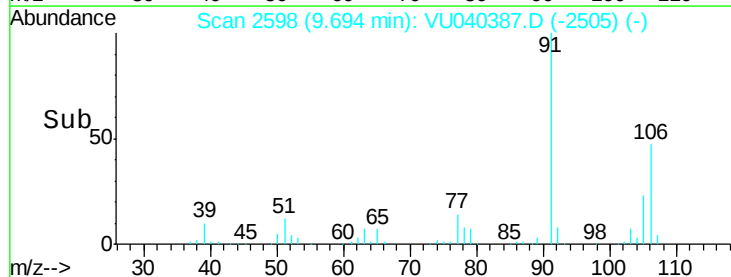
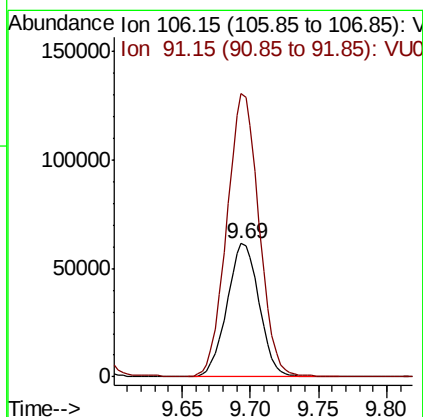
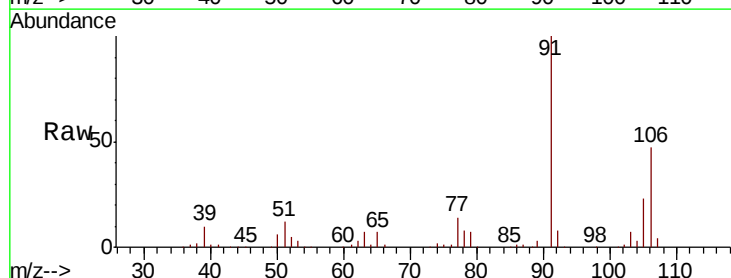
Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

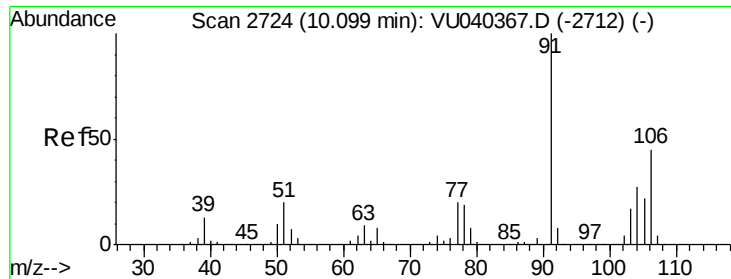
Tot Ion: 91 Resp: 270567
Ion Ratio Lower Upper
91 100
106 30.8 21.1 39.3



#53
m,p-Xylene
Concen: 5.353 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion: 106 Resp: 100904
Ion Ratio Lower Upper
106 100
91 212.8 149.0 276.6

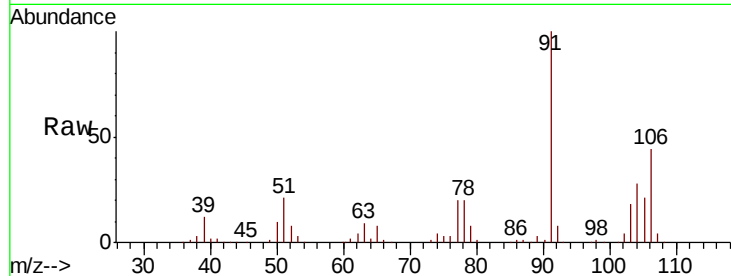




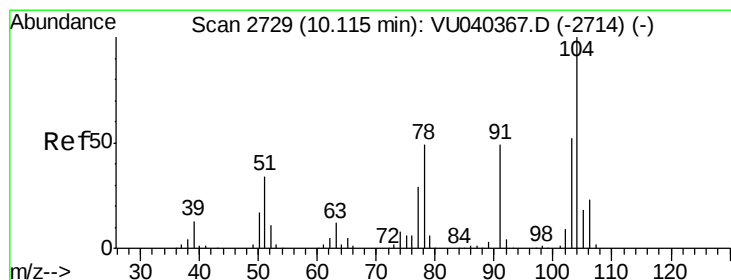
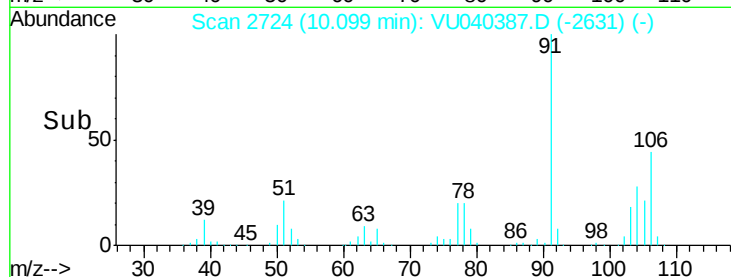
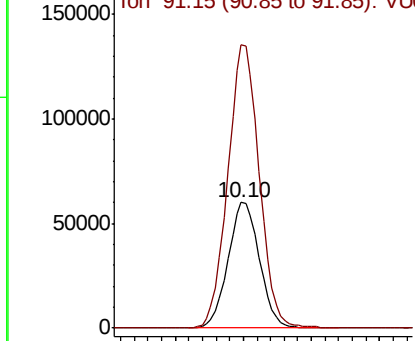
#54
o-Xylene
Concen: 5.428 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Instrument :
MSVOA_U
ClientSampleId :
VSTD00525

Tot Ion:106 Resp: 96264
Ion Ratio Lower Upper
106 100
91 225.7 160.9 298.9

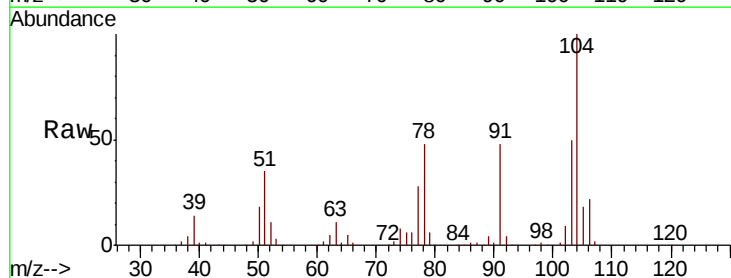


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

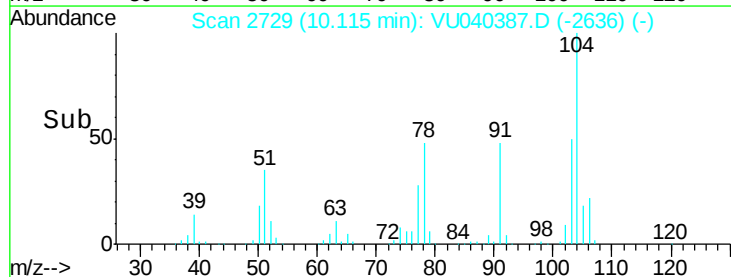
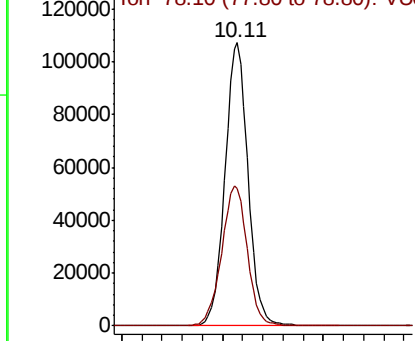


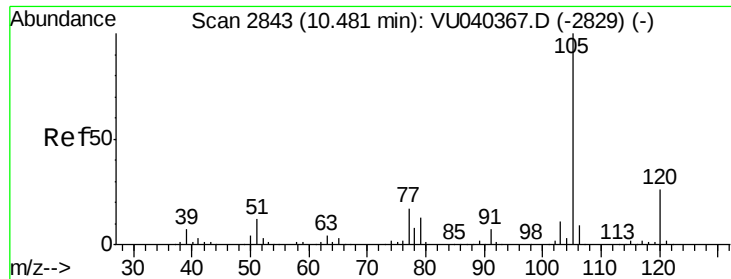
#55
Styrene
Concen: 5.525 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040387.D
Acq: 30 Sep 2020 02:40

Tgt Ion:104 Resp: 170911
Ion Ratio Lower Upper
104 100
78 48.5 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: 5.395 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

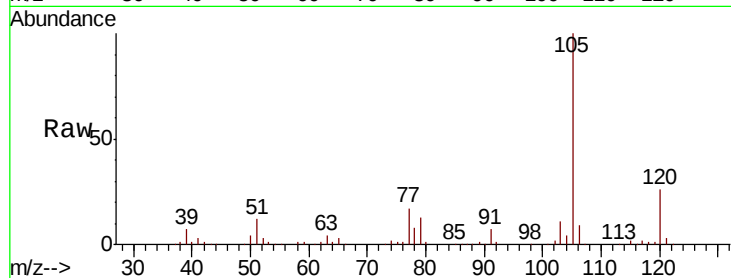
Tot Ion:105 Resp: 258161

Ion Ratio Lower Upper

105 100

120 25.3 20.6 30.8

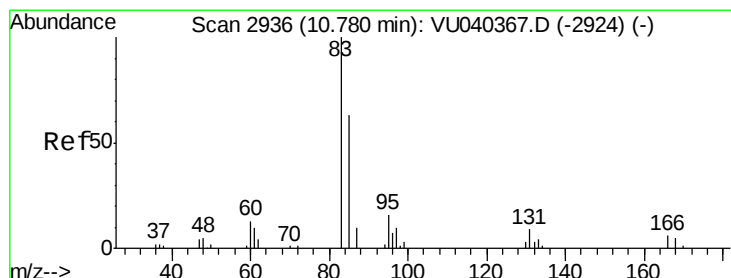
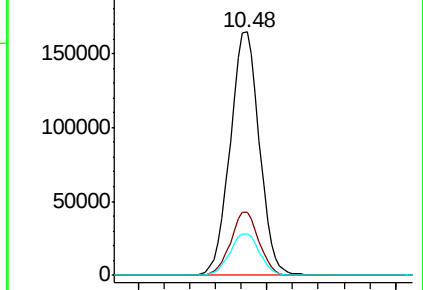
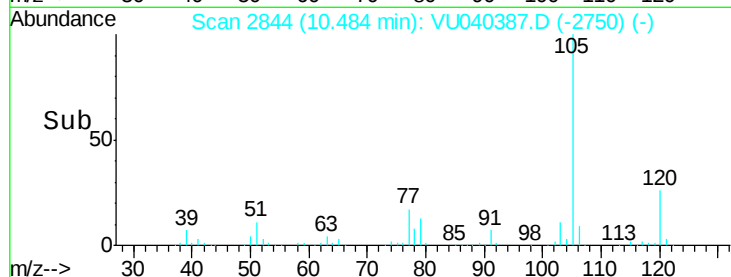
77 17.6 14.3 21.5



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: 5.246 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

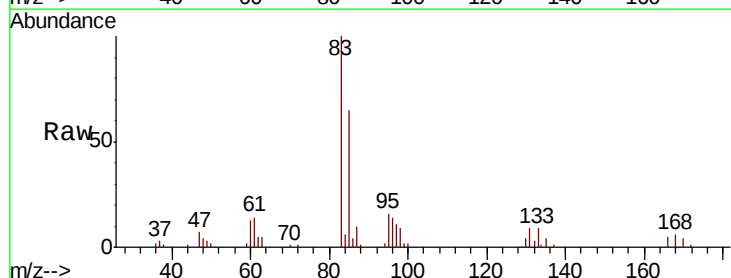
Tgt Ion: 83 Resp: 63125

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.9

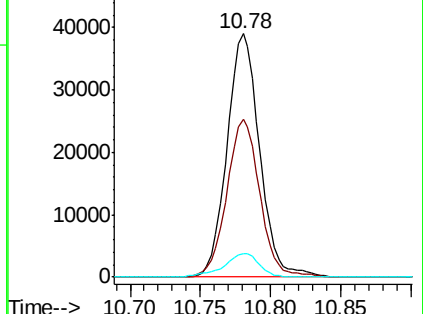
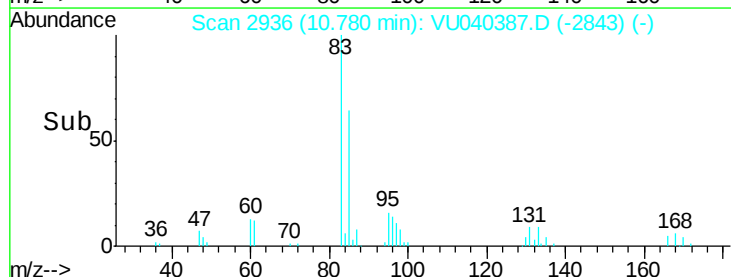
131 9.5 6.6 10.0

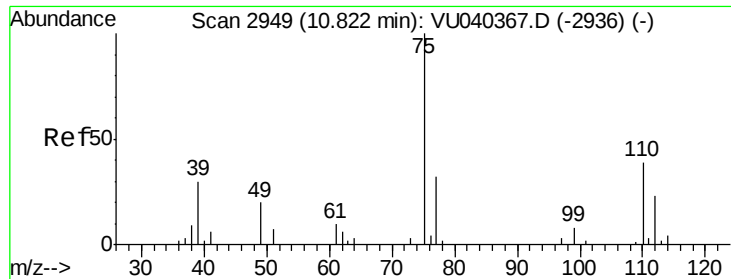


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.275 ug/L

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

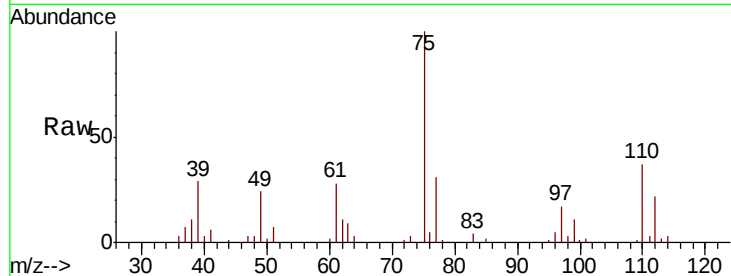
VSTD00525

Tot Ion: 75 Resp: 48422

Ion Ratio Lower Upper

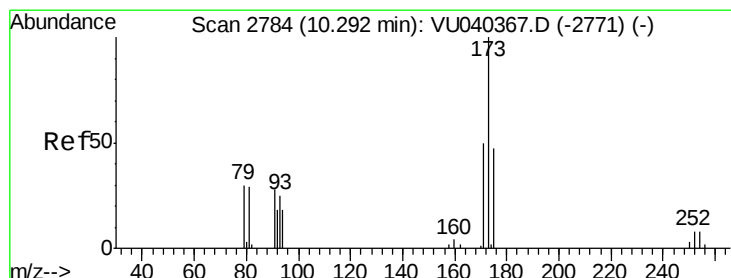
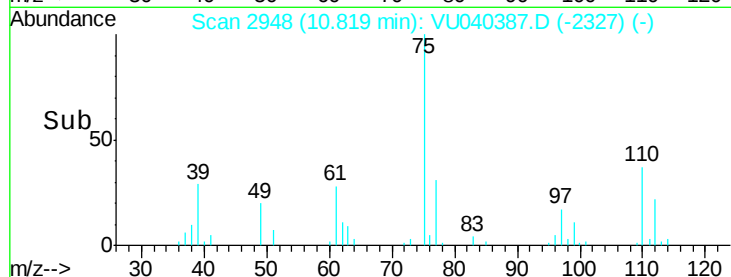
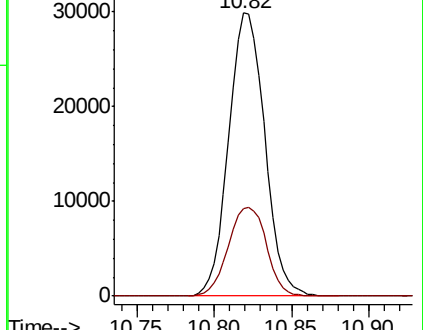
75 100

77 33.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU040367.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040367.D (-2936) (-)



#61

Bromoform

Concen: 5.423 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

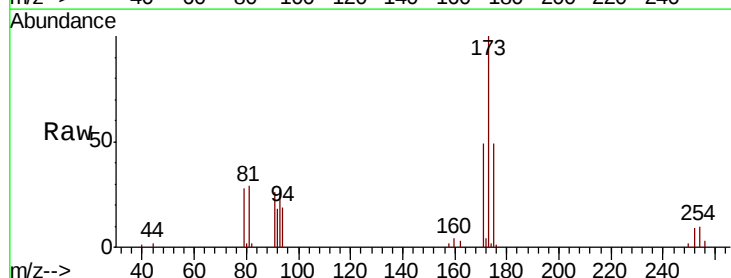
Tgt Ion: 173 Resp: 31527

Ion Ratio Lower Upper

173 100

175 48.3 39.6 59.4

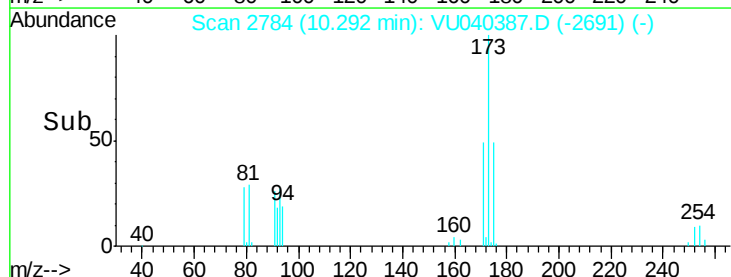
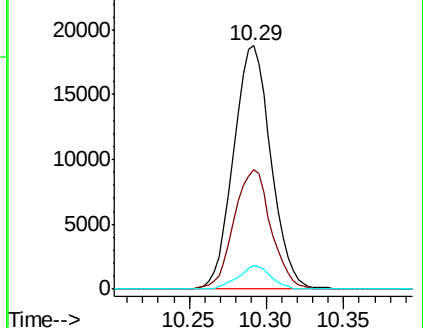
254 8.4 7.0 10.4

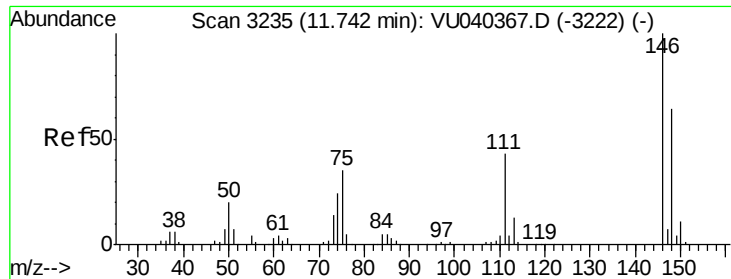


Abundance Ion 172.90 (172.60 to 173.60): VU040367.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040367.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040367.D (-2771) (-)

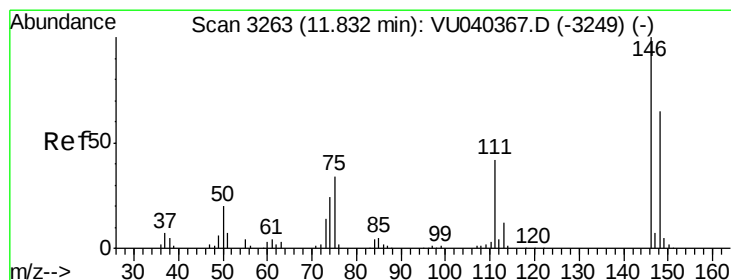
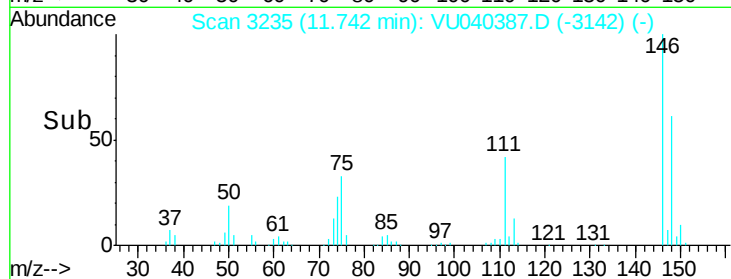
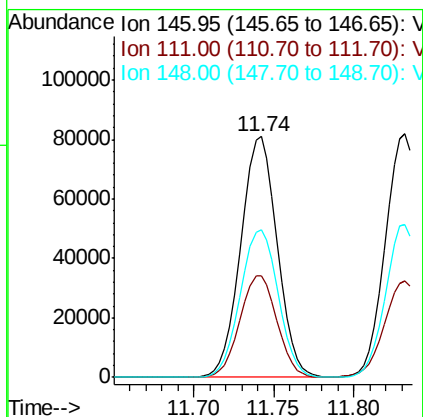
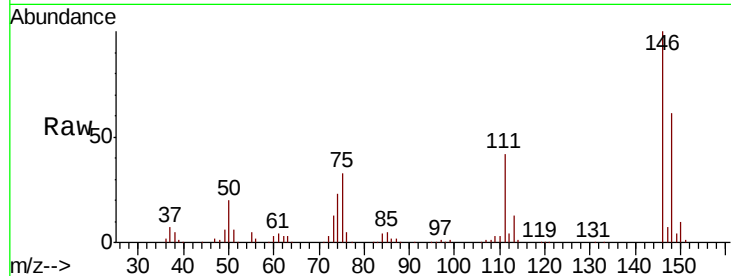




#62
 1,3-Dichlorobenzene
 Concen: 5.391 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

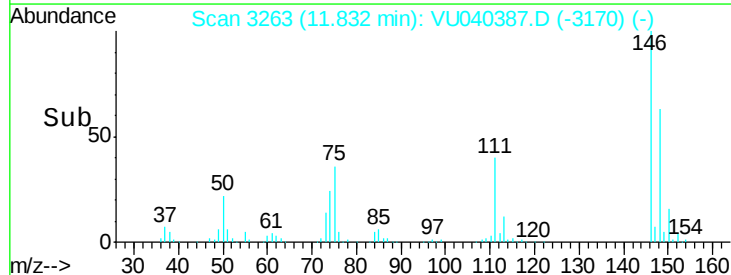
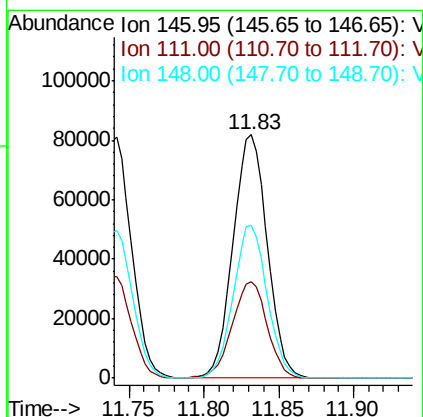
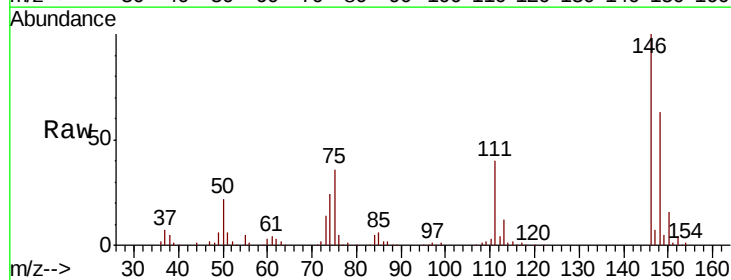
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

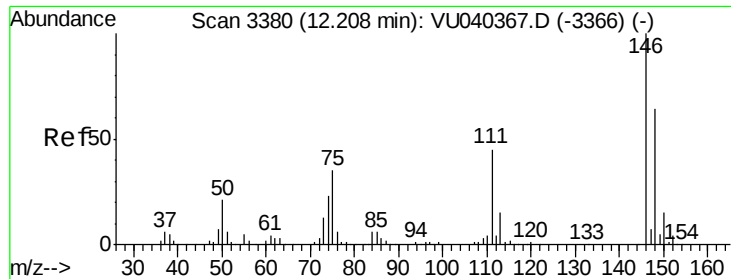
Tot Ion:146 Resp: 125568
 Ion Ratio Lower Upper
 146 100
 111 42.2 28.6 53.0
 148 61.2 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 5.374 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion:146 Resp: 130180
 Ion Ratio Lower Upper
 146 100
 111 39.7 29.2 54.2
 148 62.7 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 5.388 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

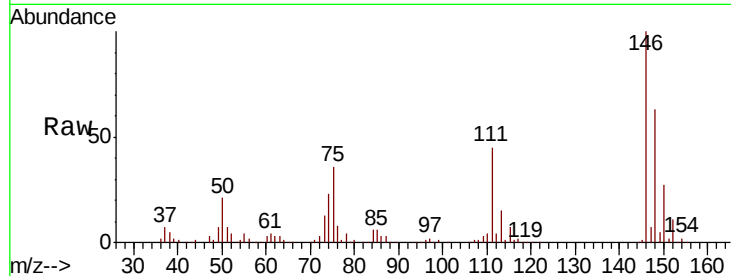
Tot Ion:146 Resp: 121993

Ion Ratio Lower Upper

146 100

111 44.7 35.6 53.4

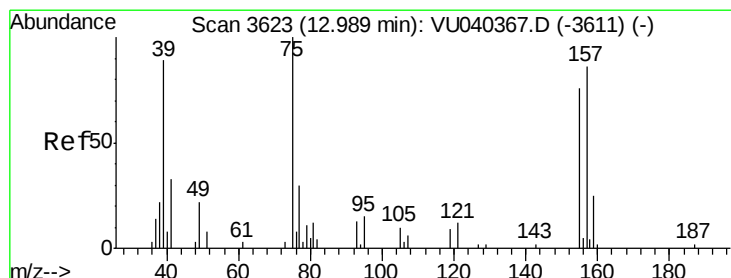
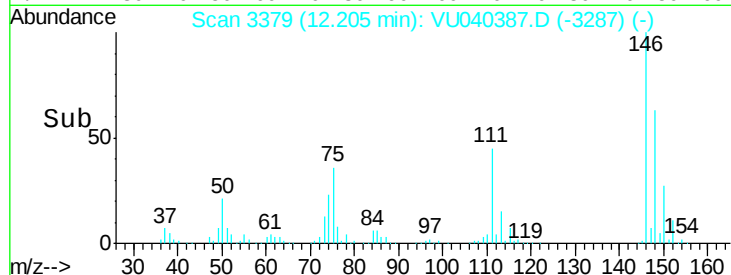
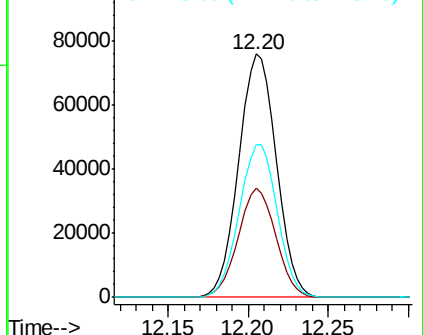
148 62.7 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.232 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

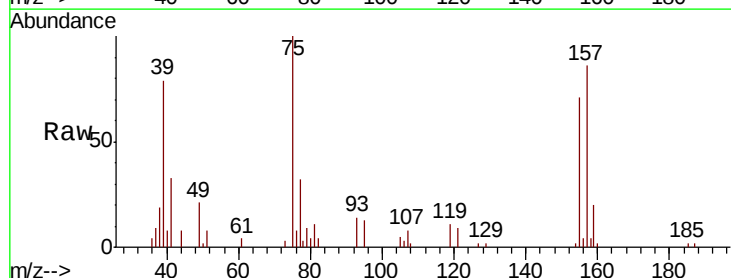
Tgt Ion: 75 Resp: 10678

Ion Ratio Lower Upper

75 100

155 71.0 59.4 89.2

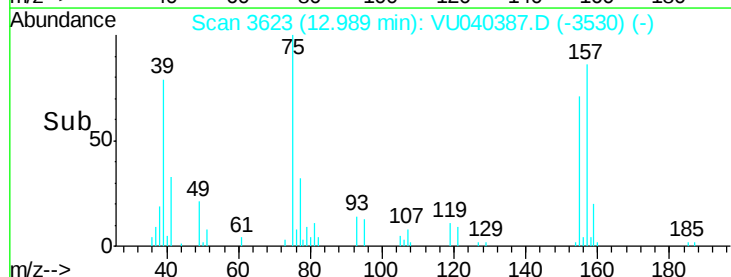
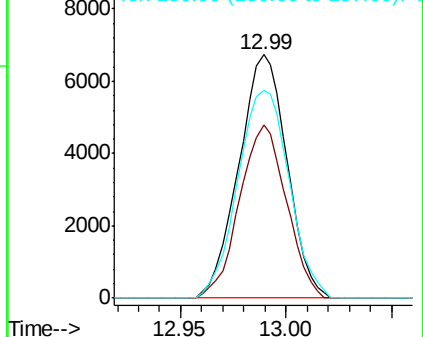
157 85.5 65.0 97.4

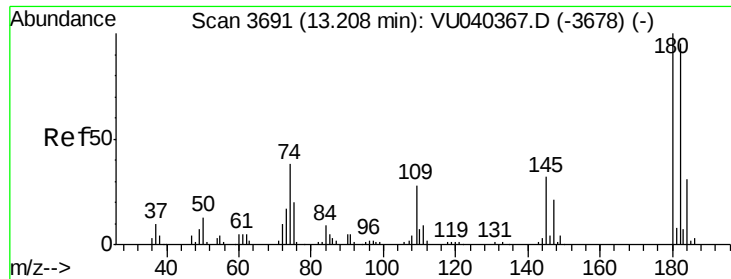


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

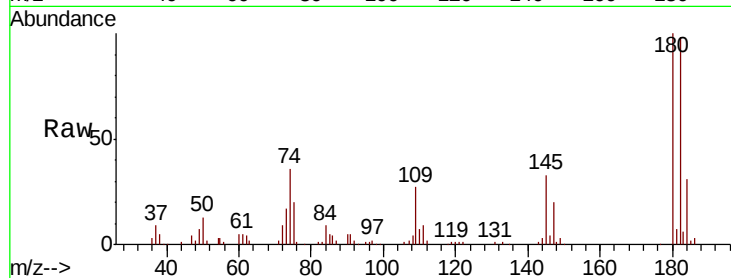




#67
 1,3,5-Trichlorobenzene
 Concen: 5.142 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00525

Tot Ion	180	Resp	85498
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.5	114.7
184	30.3	24.6	37.0
145	31.9	25.8	38.8



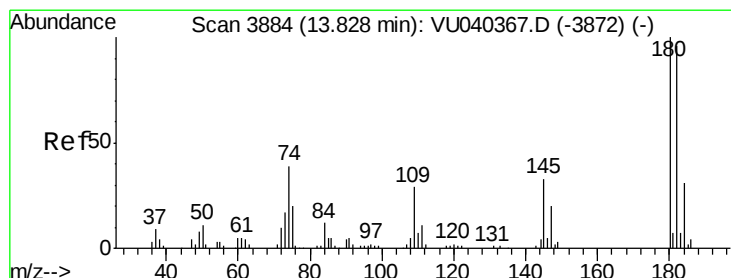
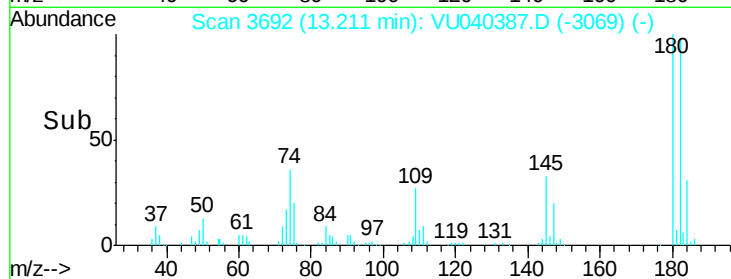
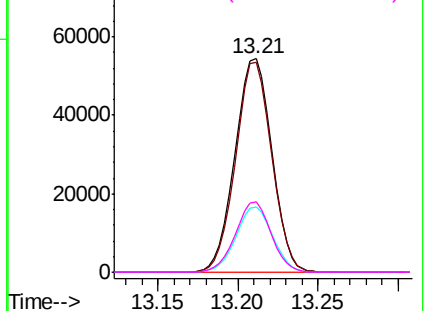
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

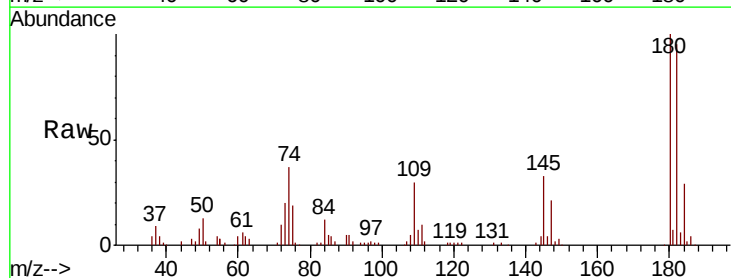
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.148 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040387.D
 Acq: 30 Sep 2020 02:40

Tgt Ion	180	Resp	68784
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.6	115.0
145	33.2	26.3	39.5

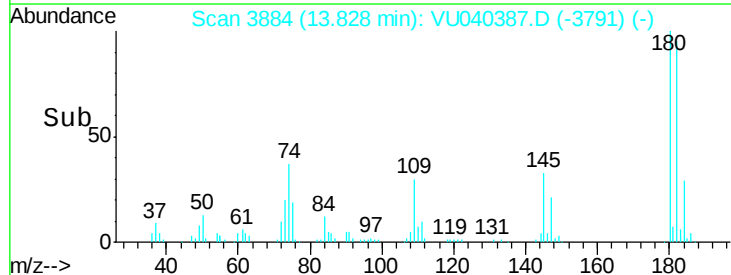
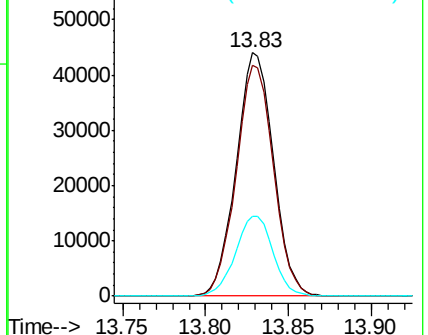


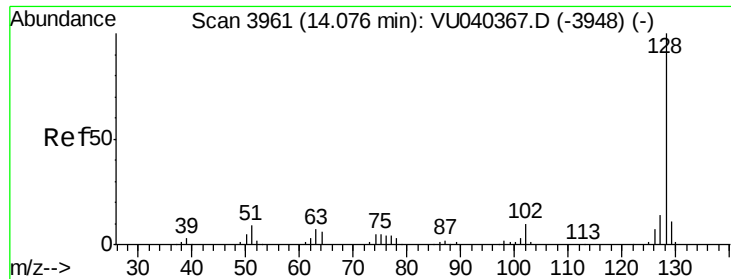
Abundance

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: 5.178 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

Instrument :

MSVOA_U

ClientSampleId :

VSTD00525

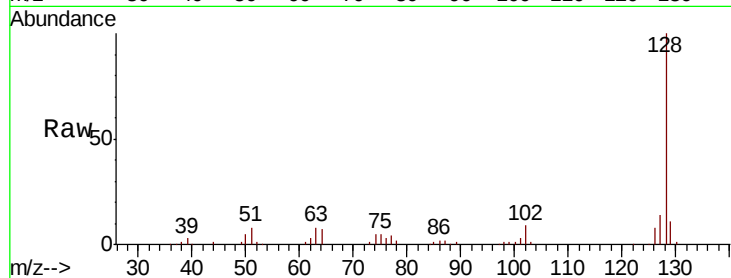
Tot Ion:128 Resp: 118237

Ion Ratio Lower Upper

128 100

129 11.1 8.2 12.4

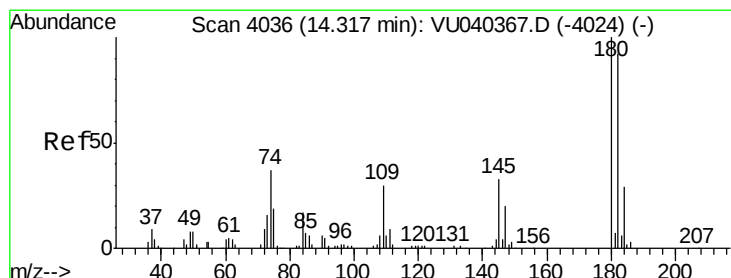
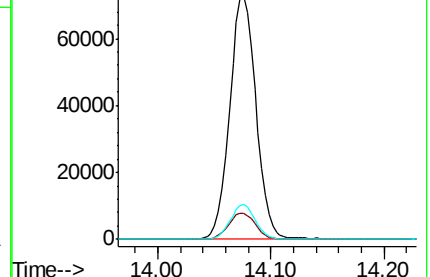
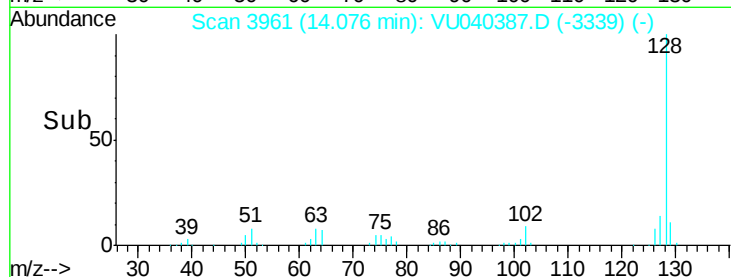
127 13.6 10.2 15.4



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: 5.465 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040387.D

Acq: 30 Sep 2020 02:40

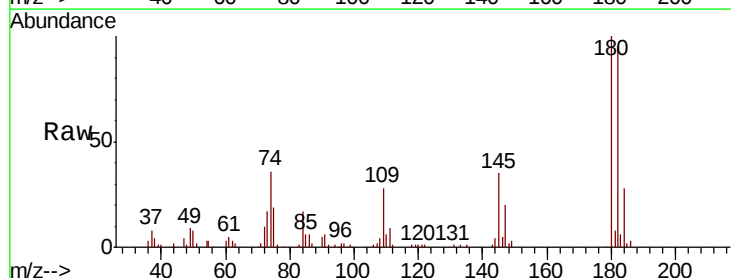
Tgt Ion:180 Resp: 66812

Ion Ratio Lower Upper

180 100

182 96.5 76.6 115.0

145 35.1 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

