

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039384.D
 Acq On : 09 Jul 2020 06:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Quant Time: Jul 09 07:50:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 09 05:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	86767	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	81734	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	38124	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	21588	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.92	69	28971	5.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.60%
11) 1,1-Dichloroethene-d2	2.58	63	43289	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	4.65	46	163056	70.86	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.72%#
24) Chloroform-d	5.09	84	59115	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.40%
26) 1,2-Dichloroethane-d4	5.72	65	40812	6.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.40%
32) Benzene-d6	5.75	84	102055	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.70	67	38377	5.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.00%
41) Toluene-d8	7.91	98	76390	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.19	79	15418	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.64	63	120930	66.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	133.56%#
57) 1,1,2,2-Tetrachloroethane-	10.76	84	42399	6.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	123.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	34075	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	22877	4.350 ug/L	97
3) Chloromethane	1.53	50	32969	5.174 ug/L	99
5) Vinyl chloride	1.61	62	32768	4.632 ug/L	100
6) Bromomethane	1.87	94	14910	4.894 ug/L	98
8) Chloroethane	1.94	64	27655	5.410 ug/L	98
9) Trichlorofluoromethane	2.15	101	52647	4.285 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	23060	4.574 ug/L	97
12) 1,1-Dichloroethene	2.59	96	24580	4.763 ug/L	92
13) Acetone	2.66	43	71442	57.522 ug/L	100
14) Carbon disulfide	2.81	76	82092	4.516 ug/L	98
15) Methyl Acetate	2.97	43	18816	5.735 ug/L	97
16) Methylene chloride	3.06	84	34240	5.275 ug/L	91
17) Methyl tert-butyl Ether	3.38	73	94152	5.791 ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	28159	4.929 ug/L	94
19) 1,1-Dichloroethane	3.89	63	59844	5.354 ug/L	97
21) 2-Butanone	4.73	43	129933	58.613 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	34348	5.362 ug/L	95

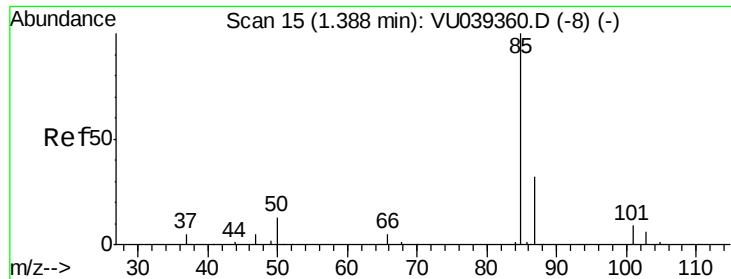
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070820\
 Data File : VU039384.D
 Acq On : 09 Jul 2020 06:34
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 QLast Update : Thu Jul 09 05:48:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	17078	5.869	ug/L	96
25) Chloroform	5.11	83	64715	5.733	ug/L	99
27) 1,2-Dichloroethane	5.81	62	47561	5.825	ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	47938	4.980	ug/L	98
30) Cyclohexane	5.41	56	43068	4.249	ug/L	98
31) Carbon tetrachloride	5.54	117	38638	4.704	ug/L	96
33) Benzene	5.79	78	127272	5.208	ug/L	100
34) Trichloroethene	6.56	95	31130	4.928	ug/L	94
35) Methylcyclohexane	6.78	83	42177	4.167	ug/L	99
37) 1,2-Dichloropropane	6.81	63	36526	5.483	ug/L	100
38) Bromodichloromethane	7.12	83	46617	5.480	ug/L	96
39) cis-1,3-Dichloropropene	7.62	75	50958	5.060	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	316666	56.984	ug/L	99
42) Toluene	7.98	91	126681	4.841	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	45317	5.073	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	27676	5.784	ug/L	95
47) Tetrachloroethene	8.56	164	19990	4.549	ug/L	98
48) 2-Hexanone	8.69	43	227396	55.497	ug/L	99
49) Dibromochloromethane	8.82	129	31587	5.450	ug/L	98
50) 1,2-Dibromoethane	8.93	107	26231	5.396	ug/L #	96
51) Chlorobenzene	9.45	112	78876	4.933	ug/L	99
52) Ethylbenzene	9.57	91	133623	4.621	ug/L	98
53) m,p-Xylene	9.70	106	47913	4.397	ug/L	96
54) o-Xylene	10.10	106	49323	4.650	ug/L	99
55) Styrene	10.12	104	84039	4.553	ug/L	100
56) Isopropylbenzene	10.48	105	121780	4.245	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	37004	5.556	ug/L	97
59) 1,2,3-Trichloropropane	10.83	75	26633	5.425	ug/L	99
61) Bromoform	10.29	173	17419	5.421	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	58781	4.920	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	57578	4.804	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	59459	4.965	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	6602	6.241	ug/L	89
67) 1,3,5-Trichlorobenzene	13.21	180	42649	4.771	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	37192	4.862	ug/L	97
69) Naphthalene	14.08	128	75984	4.936	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	35824	5.054	ug/L	99

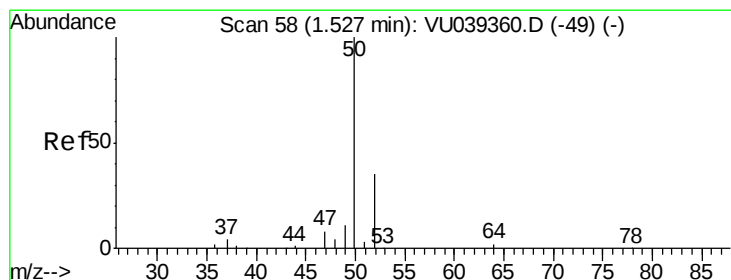
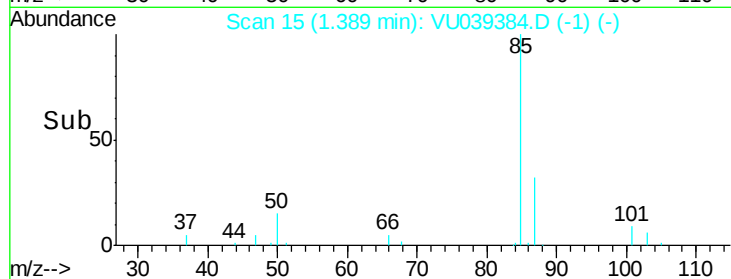
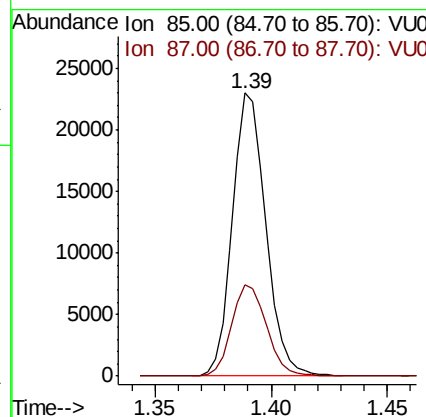
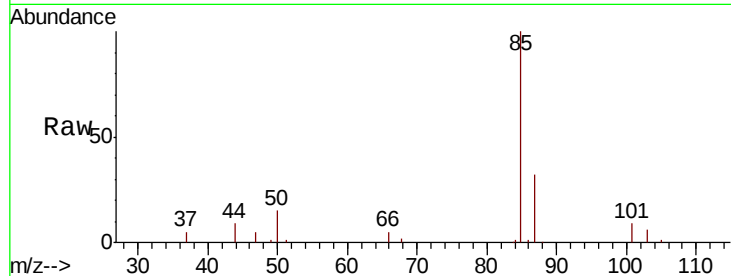
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 4.350 ug/L
 RT: 1.39 min Scan# 15
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

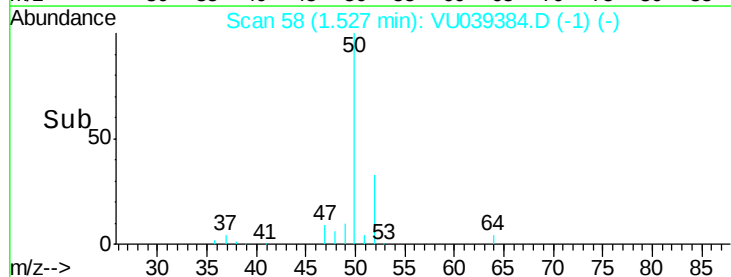
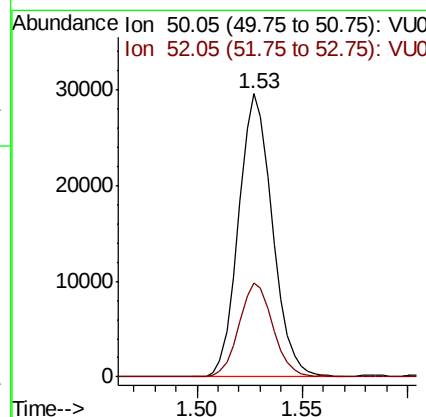
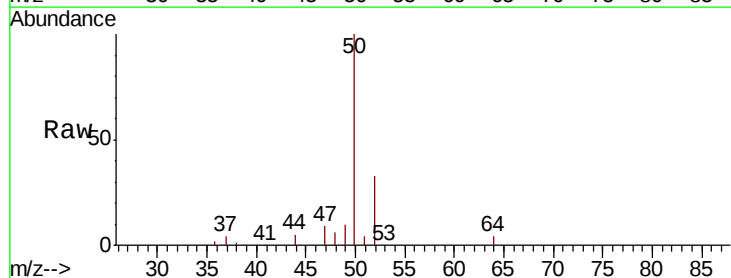
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

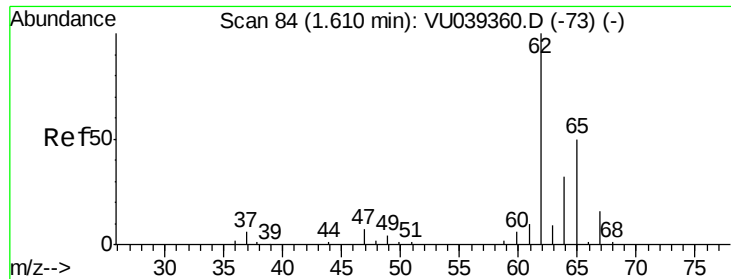
Tot Ion: 85 Resp: 22877
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.2 37.8



#3
 Chloromethane
 Concen: 5.174 ug/L
 RT: 1.53 min Scan# 58
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion: 50 Resp: 32969
 Ion Ratio Lower Upper
 50 100
 52 33.3 23.0 42.8





#5

Vinyl chloride

Concen: 4.632 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleID :

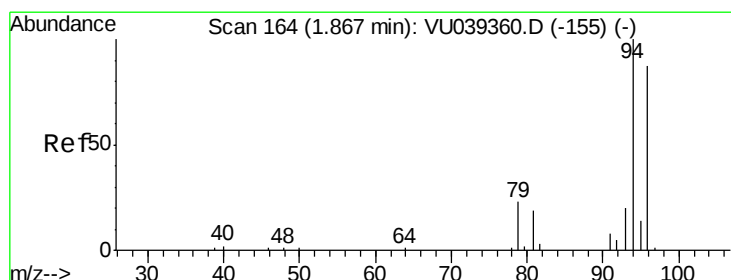
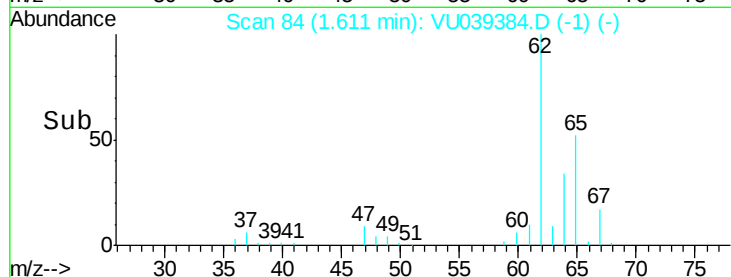
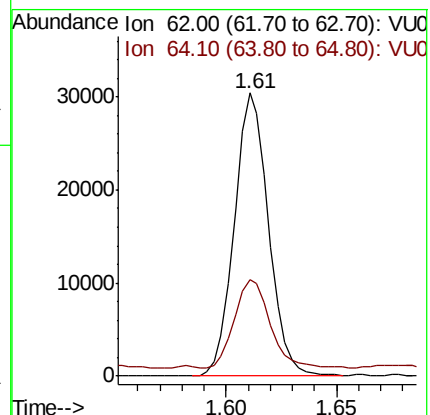
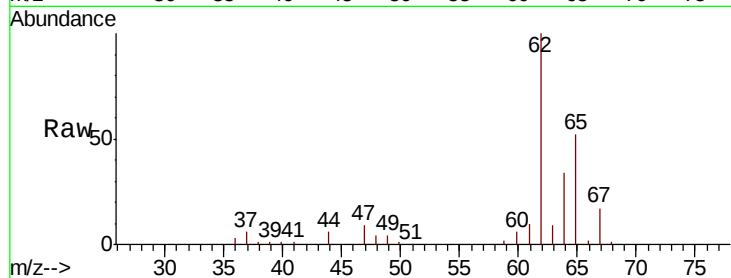
VSTD00510

Tot Ion: 62 Resp: 32768

Ion Ratio Lower Upper

62 100

64 34.1 23.7 44.1



#6

Bromomethane

Concen: 4.894 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039384.D

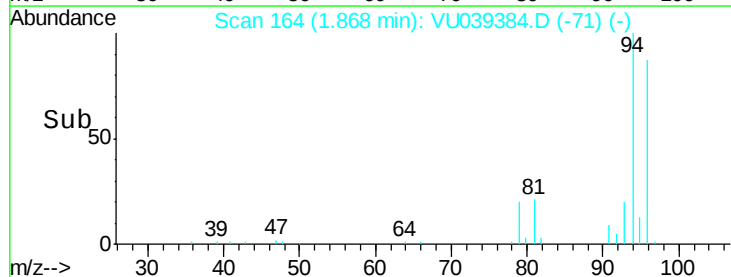
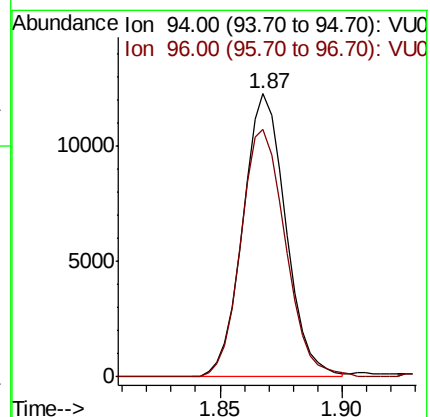
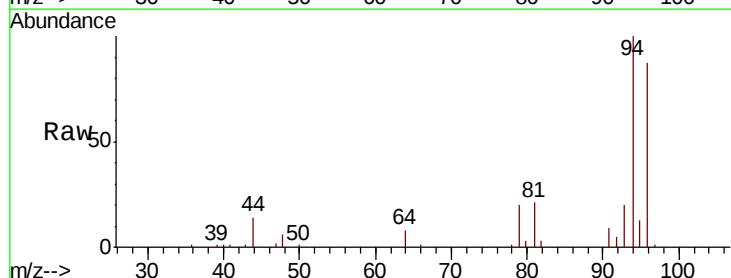
Acq: 09 Jul 2020 06:34

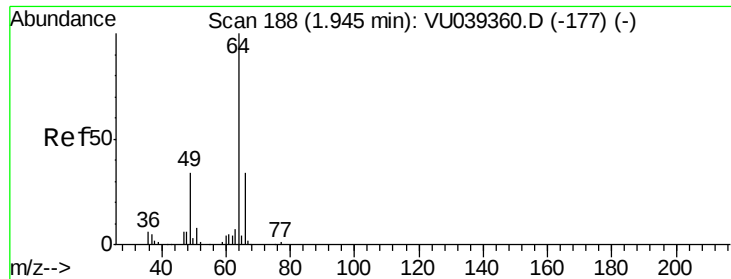
Tgt Ion: 94 Resp: 14910

Ion Ratio Lower Upper

94 100

96 87.3 62.7 116.5





#8

Chloroethane

Concen: 5.410 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

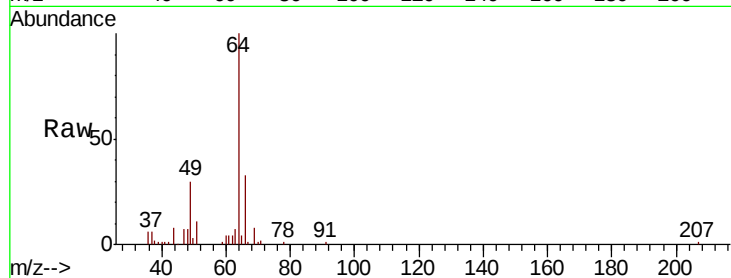
VSTD00510

Tot Ion: 64 Resp: 27655

Ion Ratio Lower Upper

64 100

66 32.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039384.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU039384.D (-177) (-)

1.94

20000

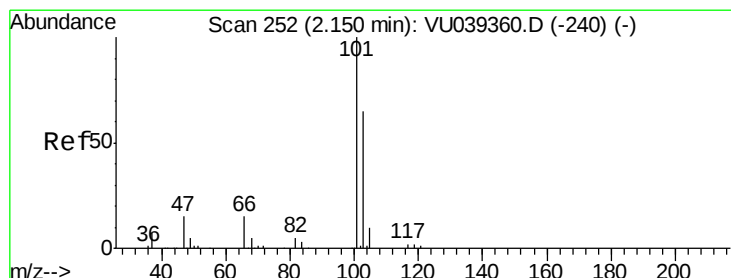
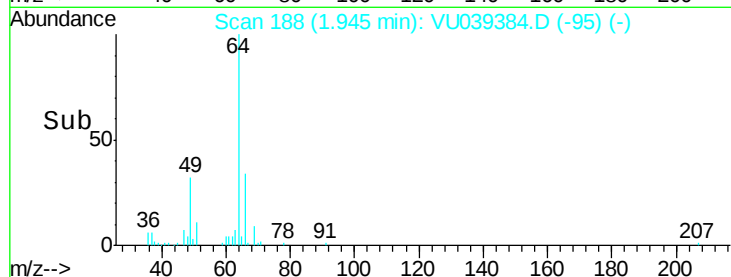
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.285 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039384.D

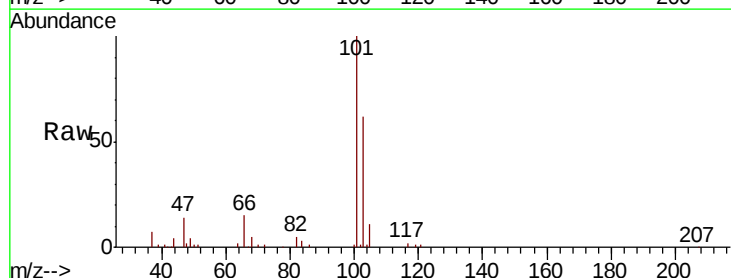
Acq: 09 Jul 2020 06:34

Tgt Ion: 101 Resp: 52647

Ion Ratio Lower Upper

101 100

103 62.8 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039384.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039384.D (-240) (-)

2.15

40000

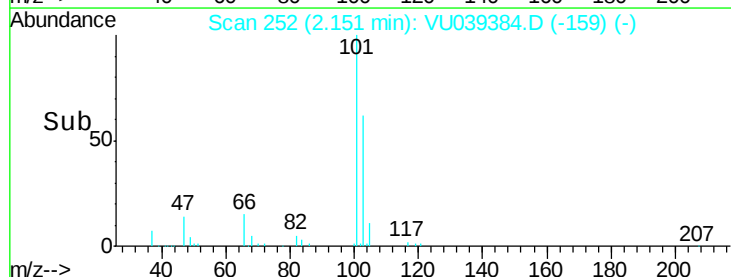
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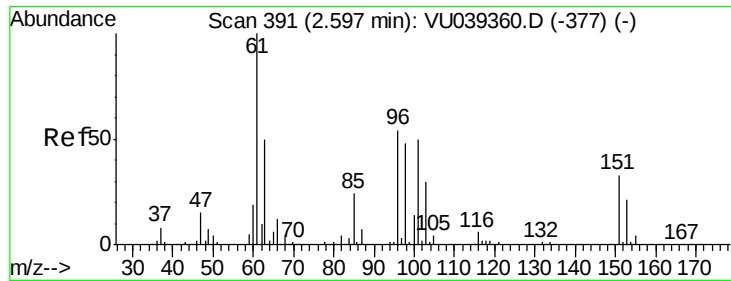
20000

10000

0

Time-->





#10

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

Concen: 4.574 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

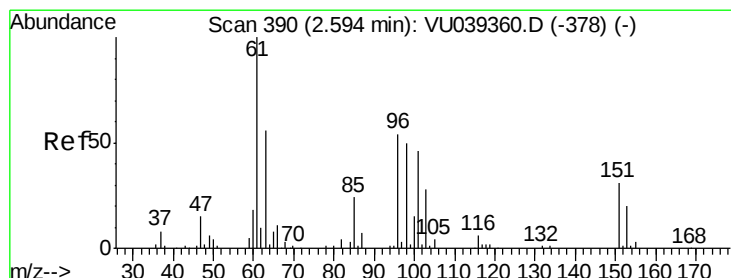
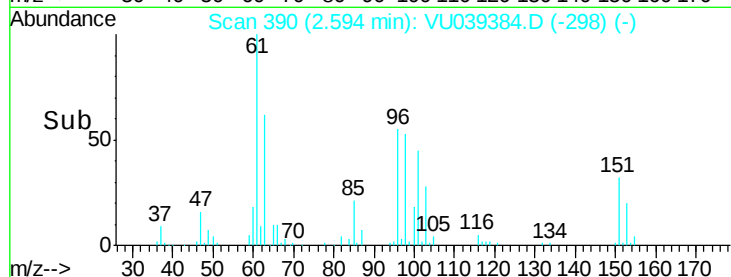
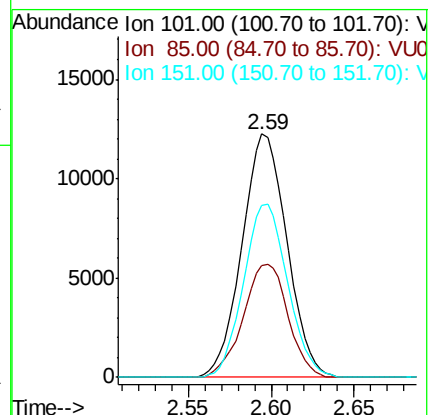
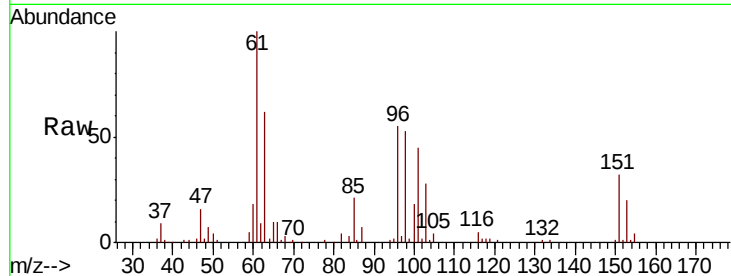
Tot Ion:101 Resp: 23060

Ion Ratio Lower Upper

101 100

85 46.1 38.9 58.3

151 69.8 57.0 85.4



#12

1,1-Dichloroethene

Concen: 4.763 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

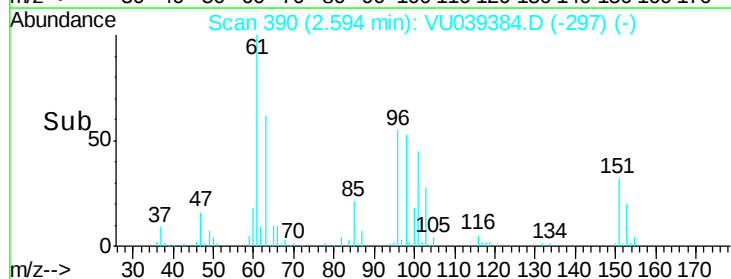
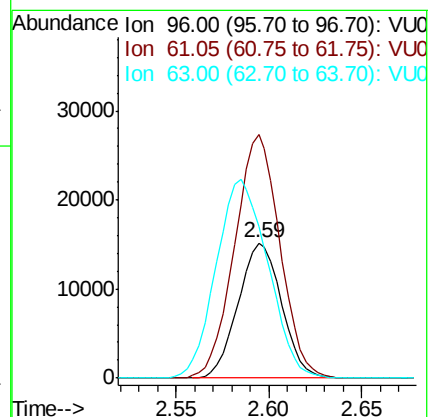
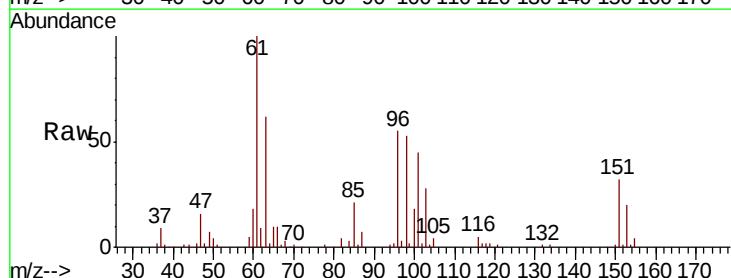
Tgt Ion: 96 Resp: 24580

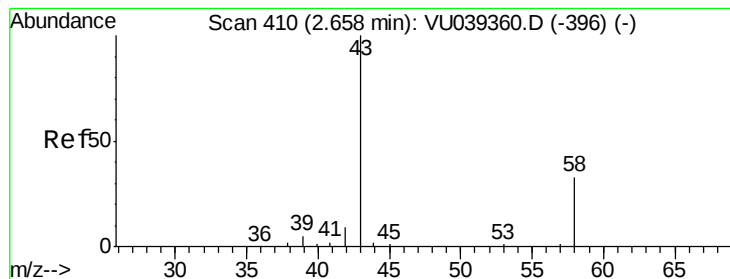
Ion Ratio Lower Upper

96 100

61 180.3 125.4 232.8

63 111.9 92.7 172.3





#13

Acetone

Concen: 57.522 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

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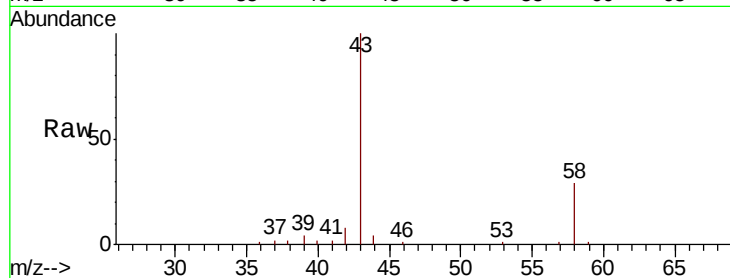
VSTD00510

Tot Ion: 43 Resp: 71442

Ion Ratio Lower Upper

43 100

58 31.2 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039360.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU039360.D (-396) (-)

25000

20000

15000

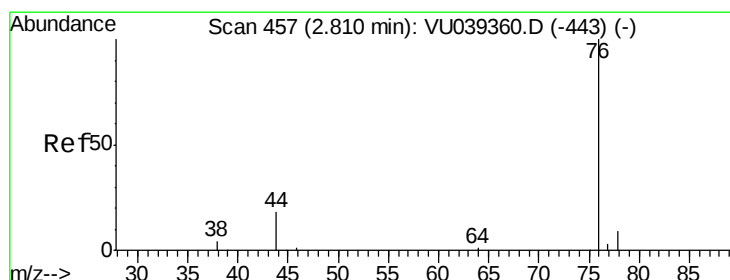
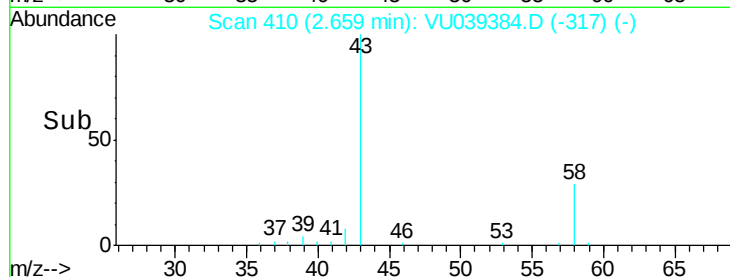
10000

5000

0

2.60 2.70 2.80

Time-->



#14

Carbon disulfide

Concen: 4.516 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039384.D

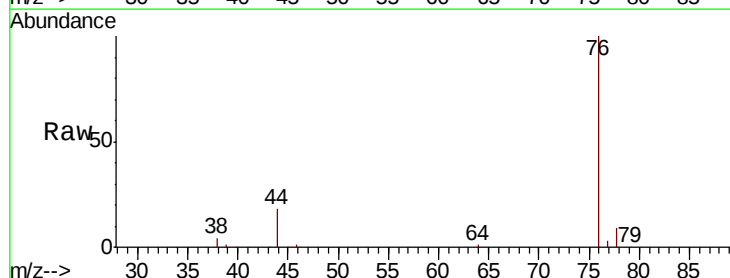
Acq: 09 Jul 2020 06:34

Tgt Ion: 76 Resp: 82092

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039360.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039360.D (-443) (-)

50000

40000

30000

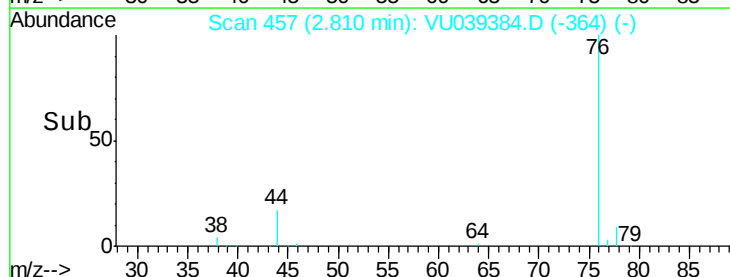
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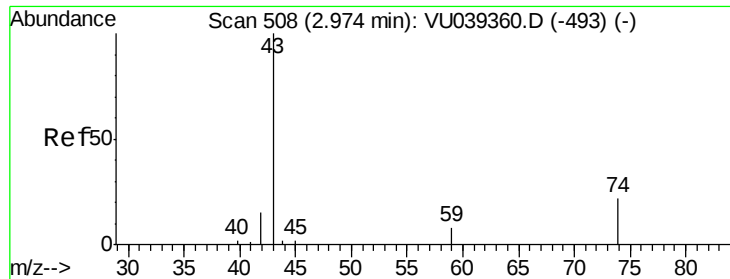
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0

2.75 2.80 2.85 2.90

Time-->





#15

Methvl Acetate

Concen: 5.735 ug/L

RT: 2.97 min Scan# 506

Delta R.T. -0.01 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

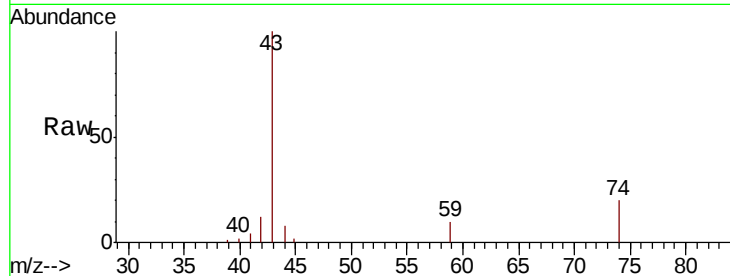
VSTD00510

Tot Ion: 43 Resp: 18816

Ion Ratio Lower Upper

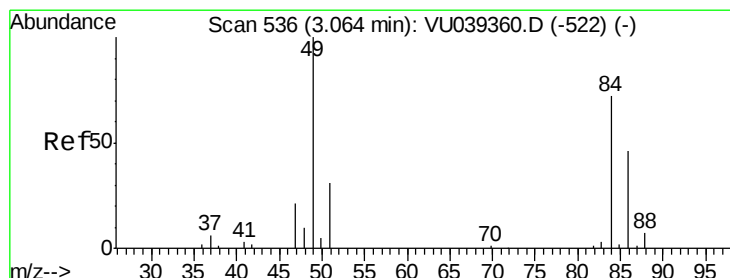
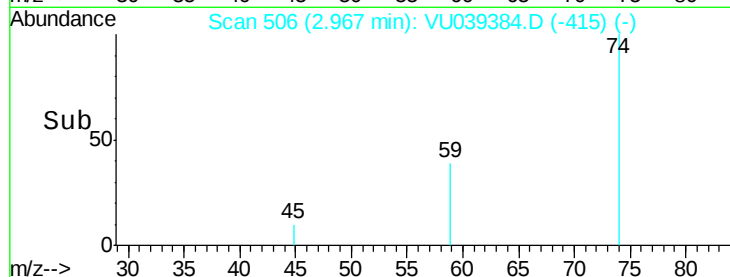
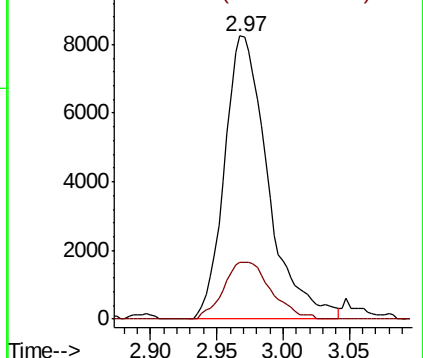
43 100

74 21.8 18.7 28.1



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 5.275 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

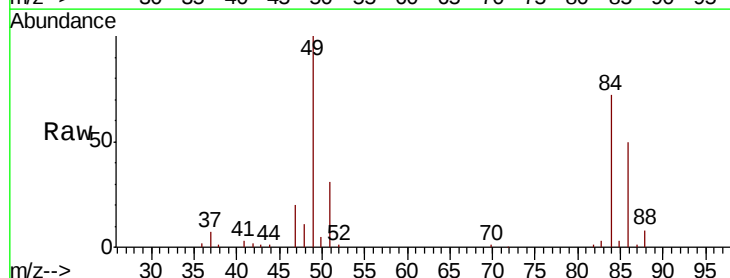
Tgt Ion: 84 Resp: 34240

Ion Ratio Lower Upper

84 100

86 70.0 43.5 80.9

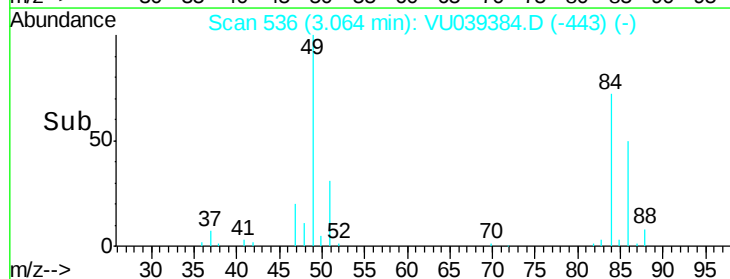
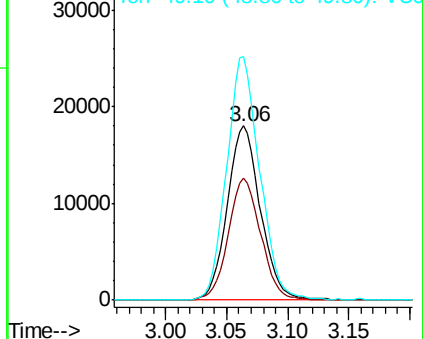
49 139.6 91.1 169.1

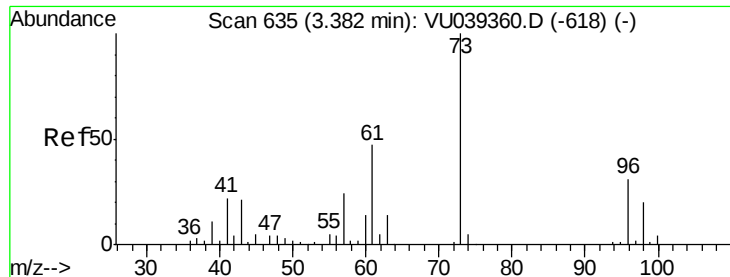


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

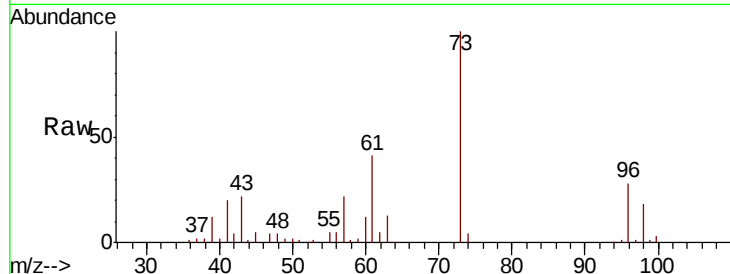




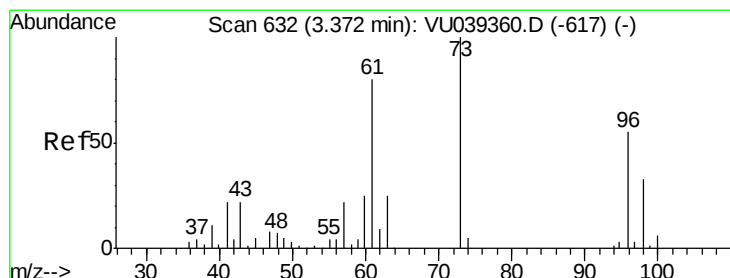
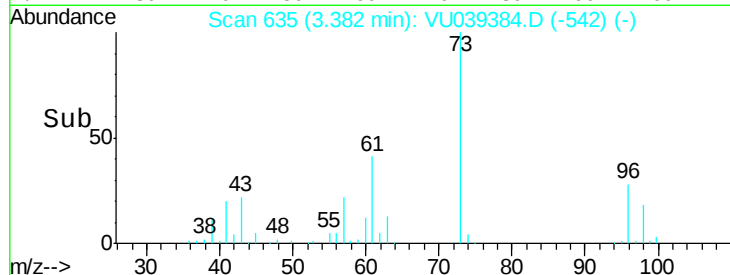
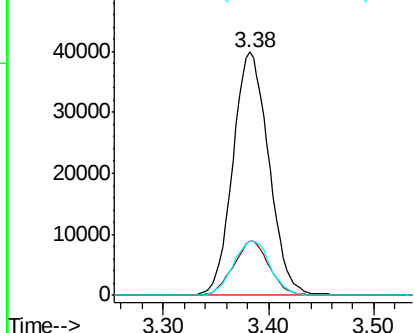
#17
Methvl tert-butvl Ether
Concen: 5.791 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 73 Resp: 94152
Ion Ratio Lower Upper
73 100
43 22.5 18.6 28.0
57 23.0 17.9 26.9

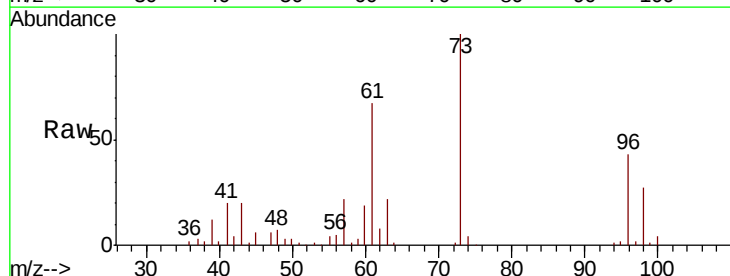


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

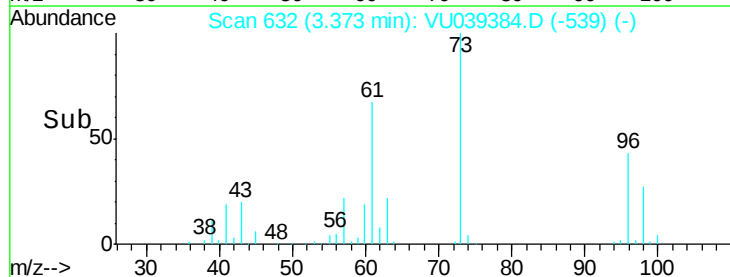
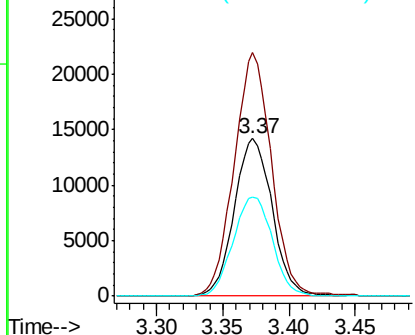


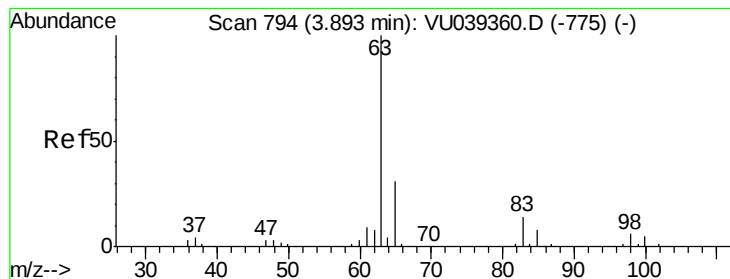
#18
trans-1,2-Dichloroethene
Concen: 4.929 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion: 96 Resp: 28159
Ion Ratio Lower Upper
96 100
61 154.5 102.1 189.5
98 63.2 42.5 78.9



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





#19

1,1-Dichloroethane

Concen: 5.354 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

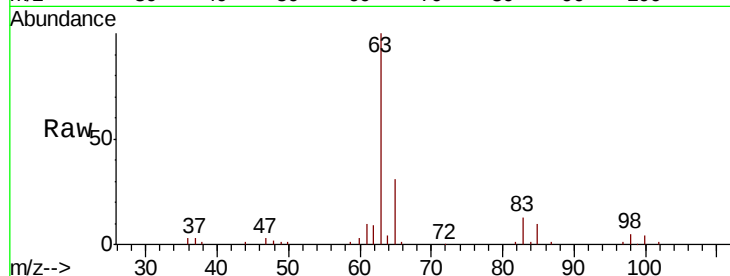
Tot Ion: 63 Resp: 59844

Ion Ratio Lower Upper

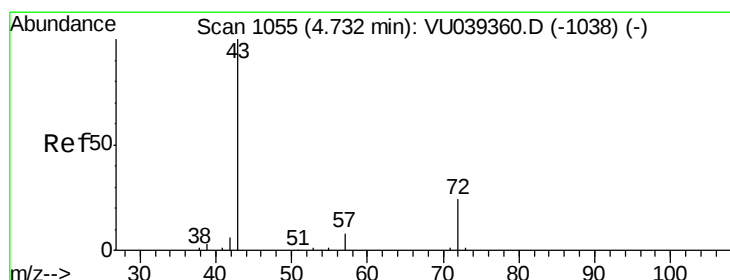
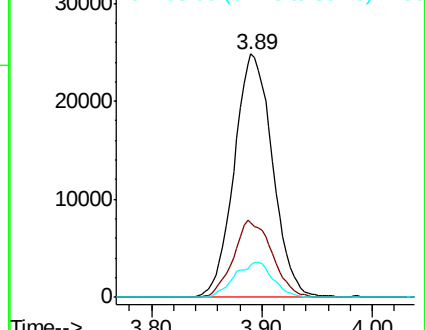
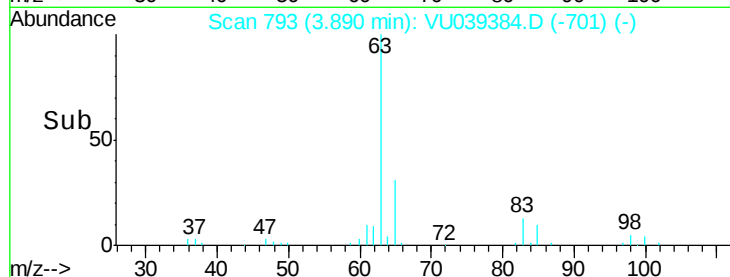
63 100

65 30.6 23.0 42.6

83 13.3 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039384.D (-701) (-)



#21

2-Butanone

Concen: 58.613 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU039384.D

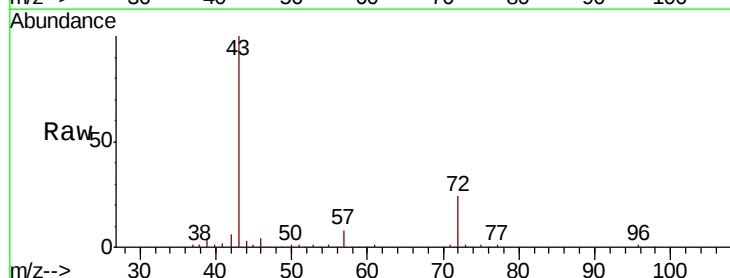
Acq: 09 Jul 2020 06:34

Tgt Ion: 43 Resp: 129933

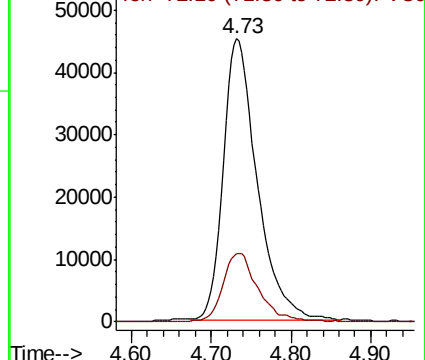
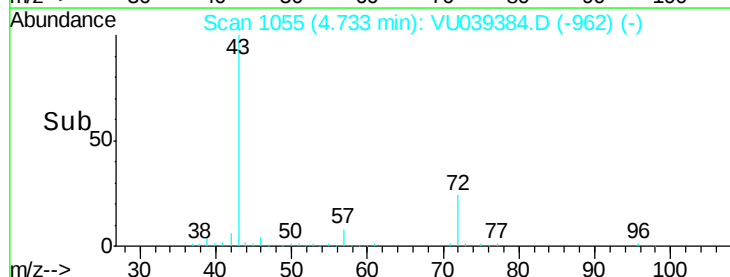
Ion Ratio Lower Upper

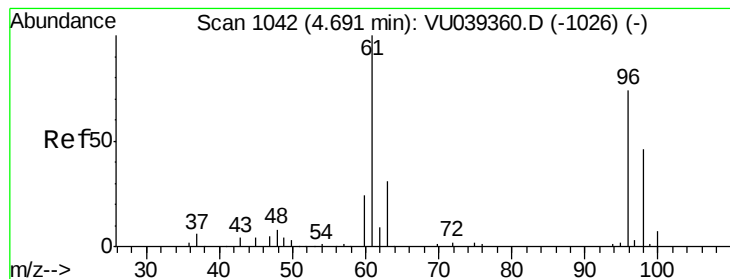
43 100

72 25.4 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039384.D (-962) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.362 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

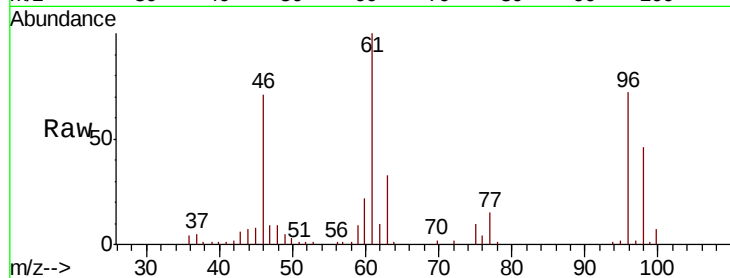
Tot Ion: 96 Resp: 34348

Ion Ratio Lower Upper

96 100

61 138.6 92.8 172.4

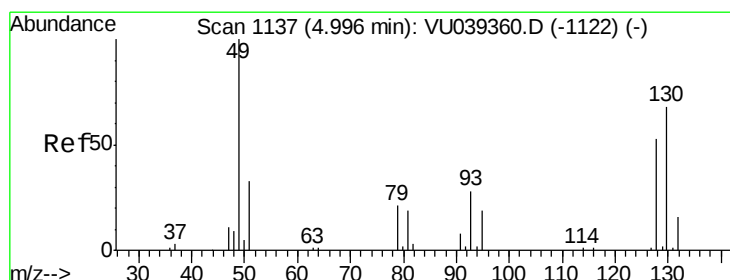
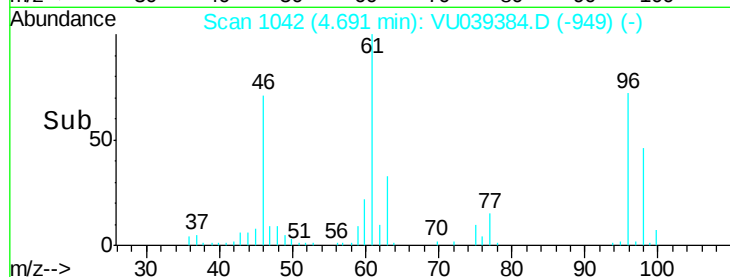
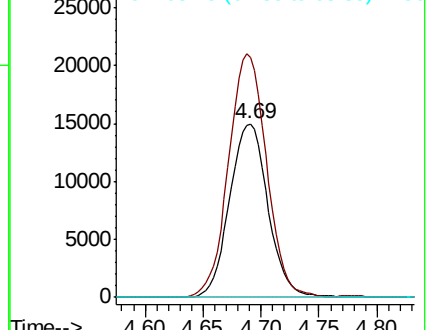
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039384.D (-949) (-)

Ion 61.05 (60.75 to 61.75): VU039384.D (-949) (-)

Ion 68.15 (67.85 to 68.85): VU039384.D (-949) (-)



#23

Bromochloromethane

Concen: 5.869 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Tgt Ion:128 Resp: 17078

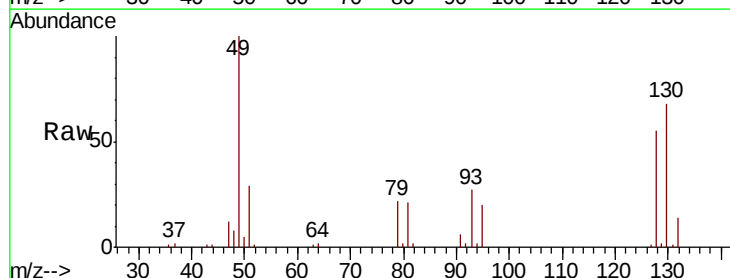
Ion Ratio Lower Upper

128 100

49 182.2 128.5 238.7

130 124.1 91.5 169.9

51 52.7 47.0 70.6

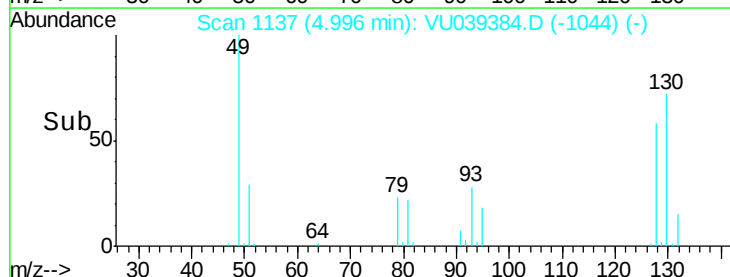
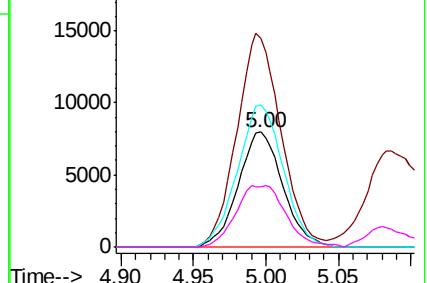


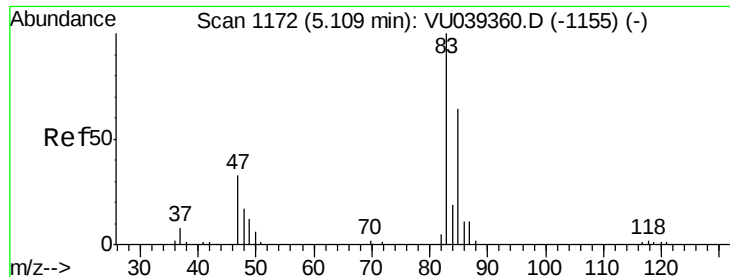
Abundance Ion 127.90 (127.60 to 128.60): VU039384.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039384.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039384.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039384.D (-1044) (-)

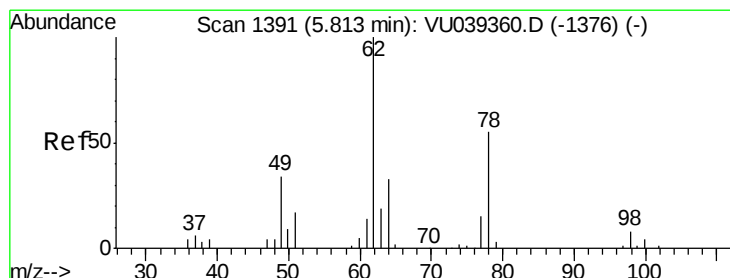
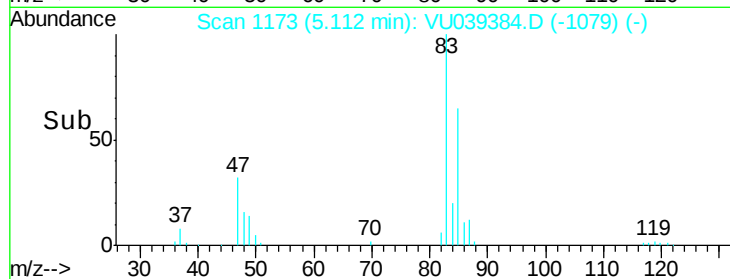
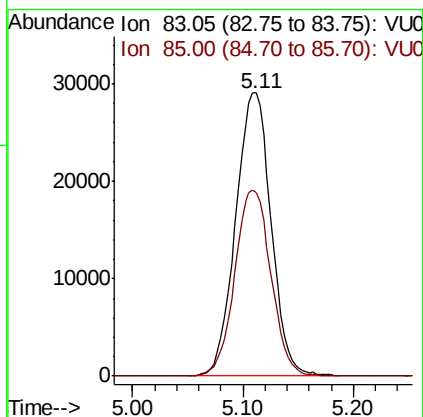
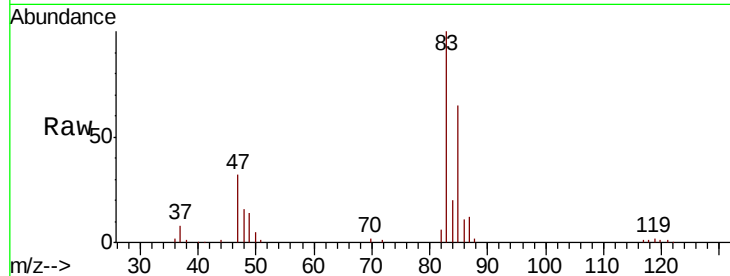




#25
Chloroform
Concen: 5.733 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

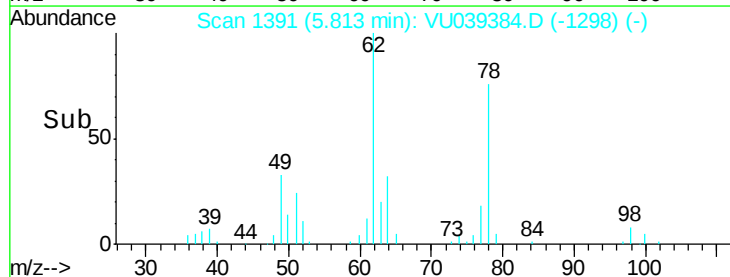
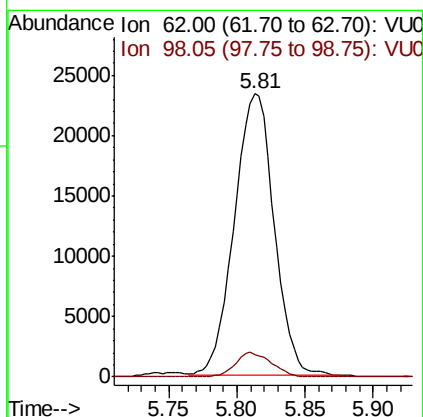
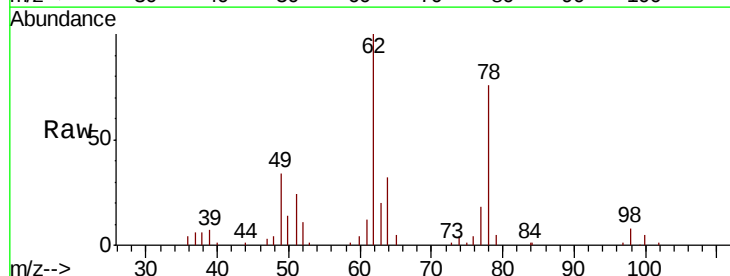
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

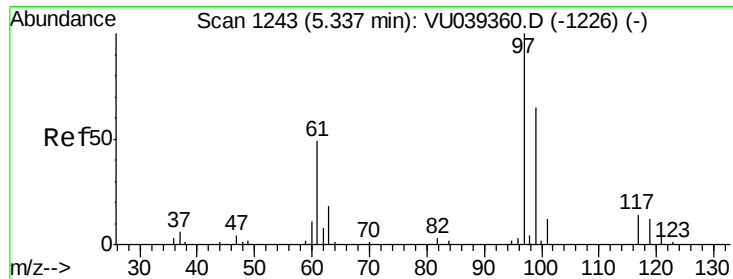
Tot Ion: 83 Resp: 64715
Ion Ratio Lower Upper
83 100
85 65.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.825 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion: 62 Resp: 47561
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5

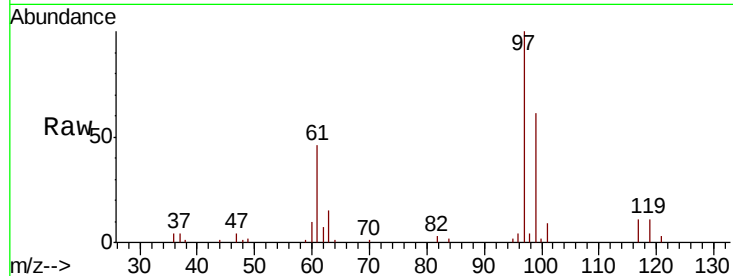




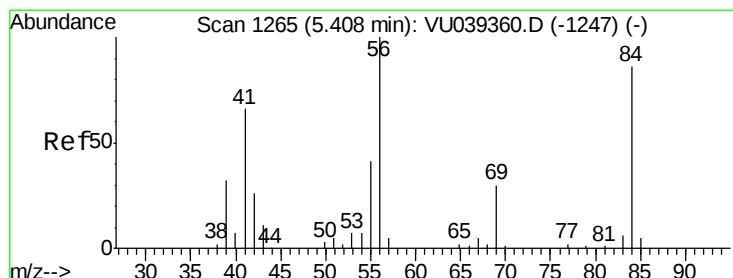
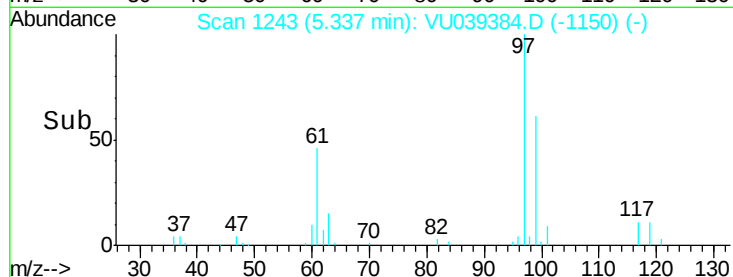
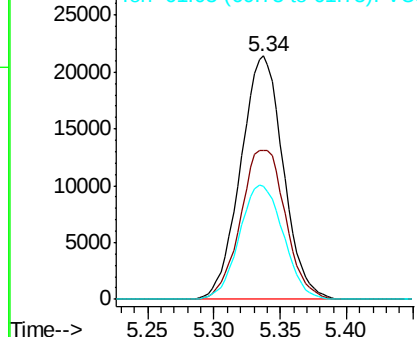
#29
1,1,1-Trichloroethane
Concen: 4.980 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 97 Resp: 47938
Ion Ratio Lower Upper
97 100
99 64.4 52.6 79.0
61 48.3 37.9 56.9

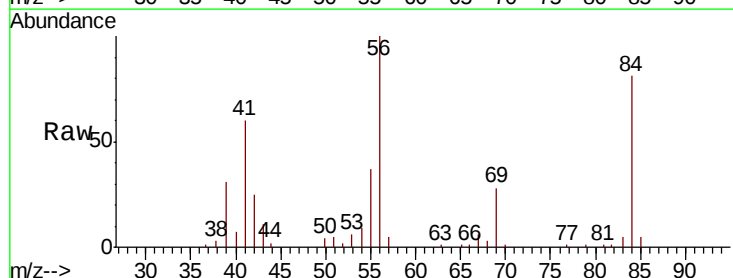


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

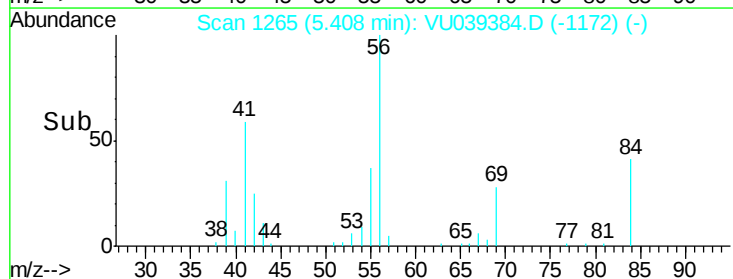
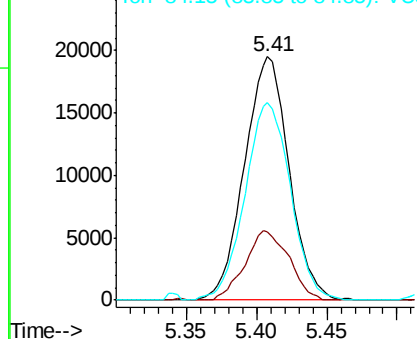


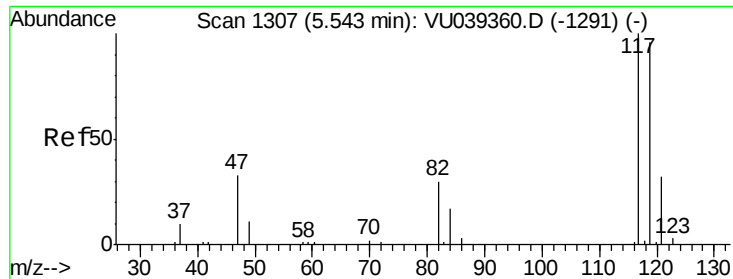
#30
Cyclohexane
Concen: 4.249 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion: 56 Resp: 43068
Ion Ratio Lower Upper
56 100
69 28.0 24.1 36.1
84 82.7 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0

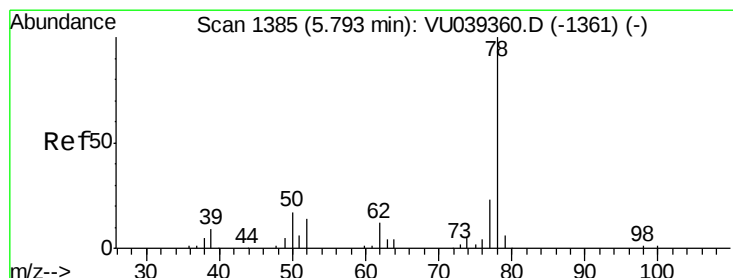
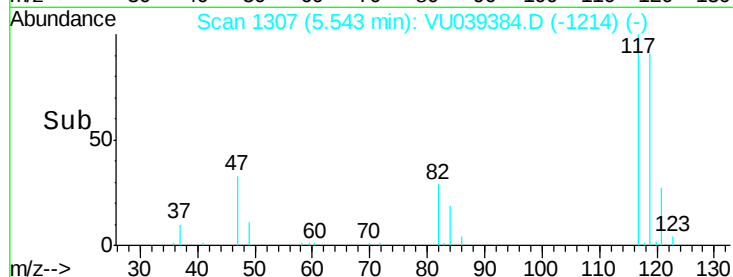
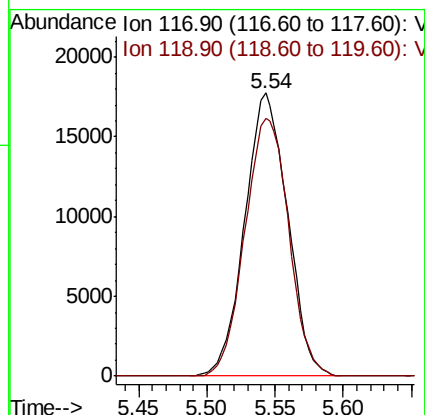
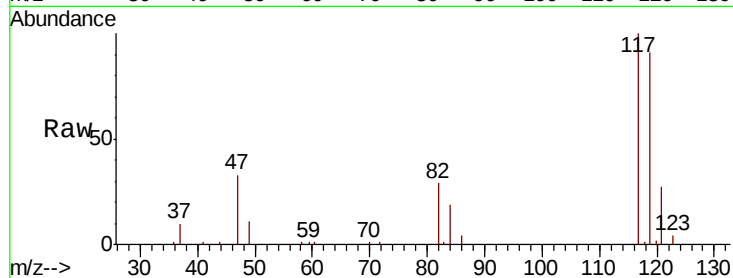




#31
Carbon tetrachloride
Concen: 4.704 ug/L
RT: 5.54 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

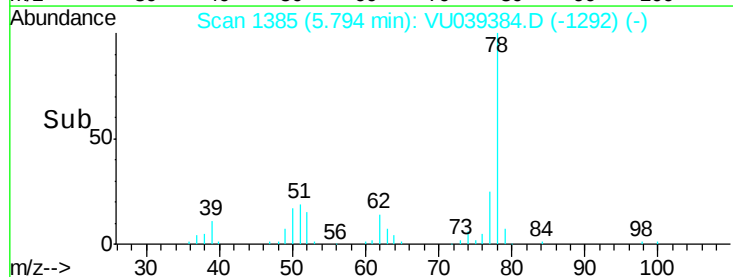
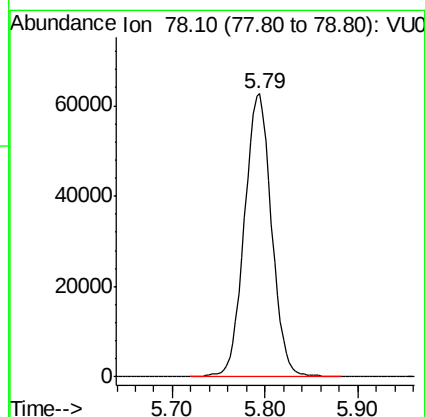
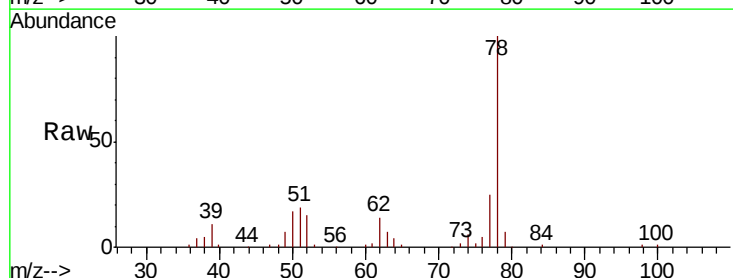
Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

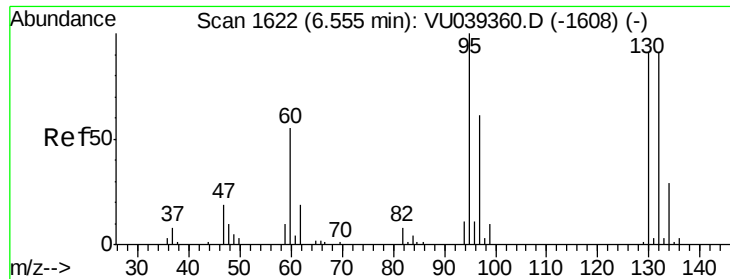
Tot Ion:117 Resp: 38638
Ion Ratio Lower Upper
117 100
119 93.1 77.4 116.0



#33
Benzene
Concen: 5.208 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion: 78 Resp: 127272





#34

Trichloroethene

Concen: 4.928 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

Tot Ion: 95 Resp: 31130

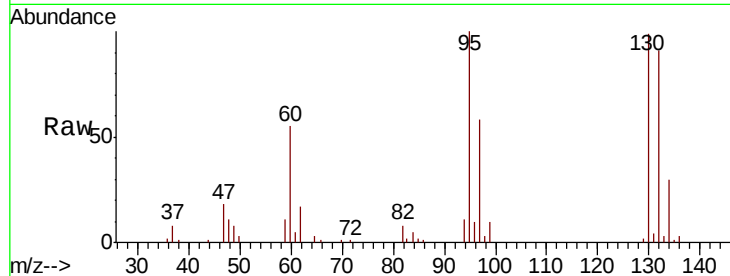
Ion Ratio Lower Upper

95 100

97 58.5 46.3 85.9

132 90.9 64.0 118.8

130 99.3 64.3 119.5



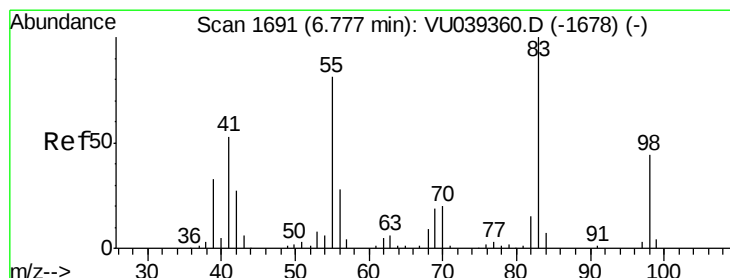
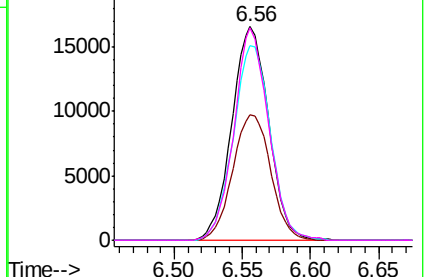
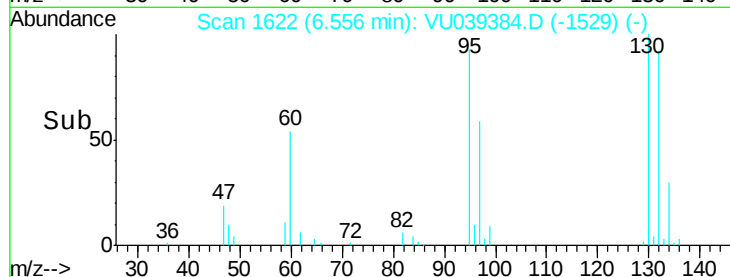
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

Time-->



#35

Methylcyclohexane

Concen: 4.167 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

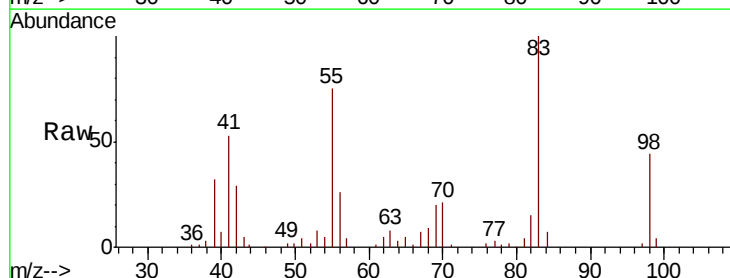
Tgt Ion: 83 Resp: 42177

Ion Ratio Lower Upper

83 100

55 78.2 62.1 93.1

98 45.5 35.9 53.9

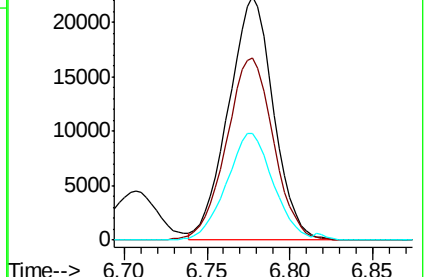
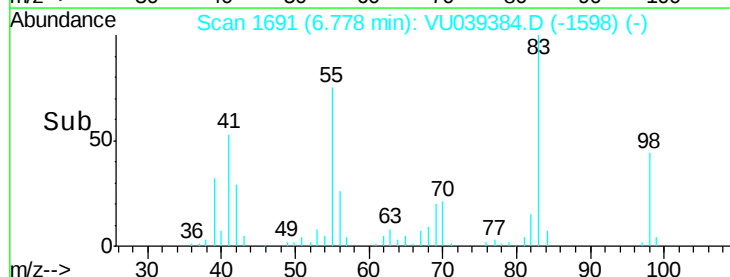


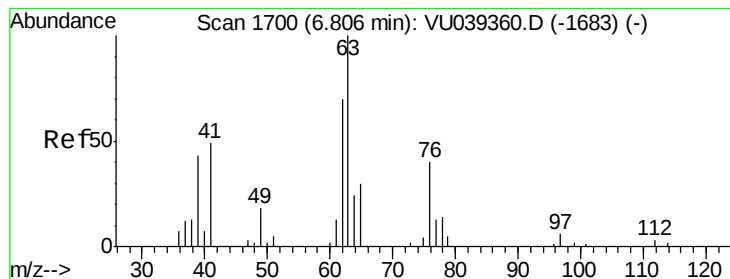
Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

Time-->





#37

1,2-Dichloropropane

Concen: 5.483 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

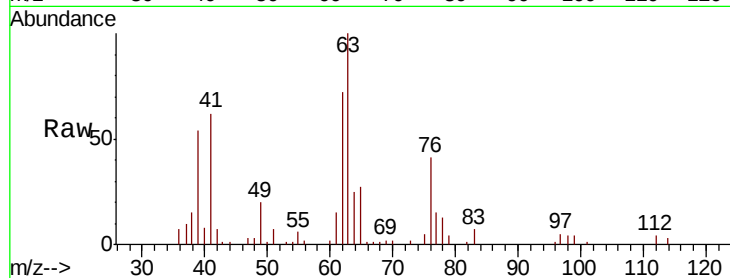
VSTD00510

Tot Ion: 63 Resp: 36526

Ion Ratio Lower Upper

63 100

112 3.1 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VU039360.D (-1683) (-)

Ion 112.10 (111.80 to 112.80): VU039360.D (-1683) (-)

6.81

20000

15000

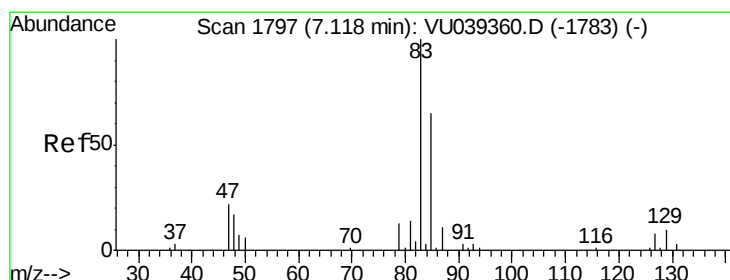
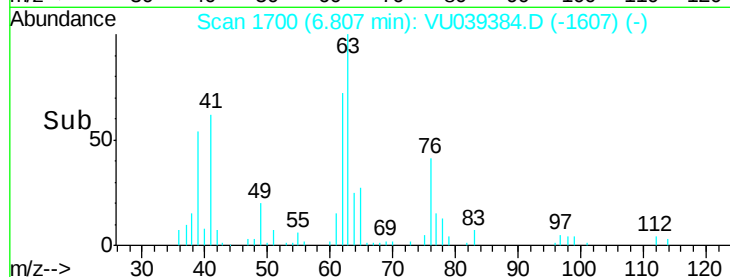
10000

5000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 5.480 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

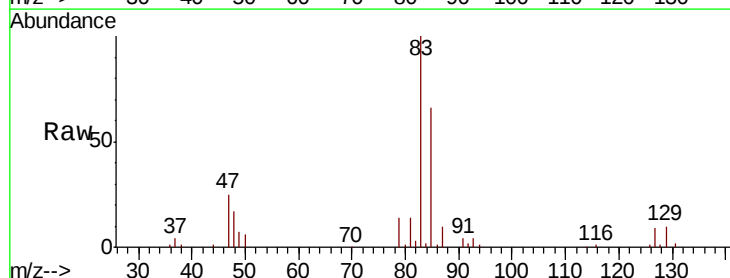
Tgt Ion: 83 Resp: 46617

Ion Ratio Lower Upper

83 100

85 66.0 44.0 81.6

127 8.5 6.2 9.4



Abundance Ion 82.95 (82.65 to 83.65): VU039360.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039360.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039360.D (-1783) (-)

7.12

30000

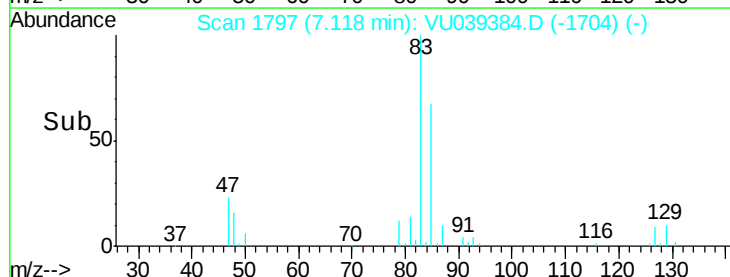
20000

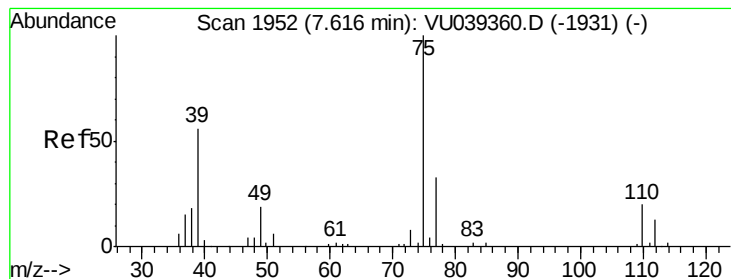
10000

0

7.05 7.10 7.15 7.20

Time-->



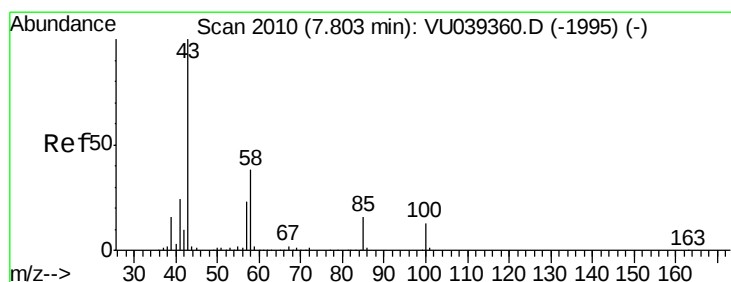
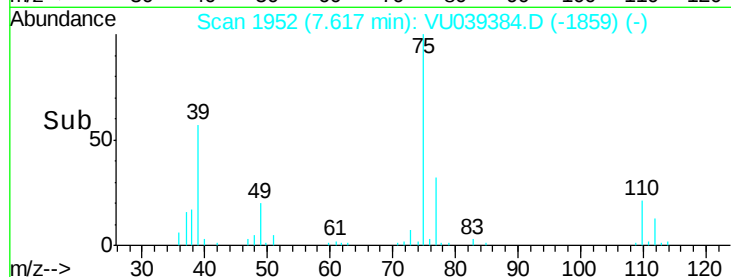
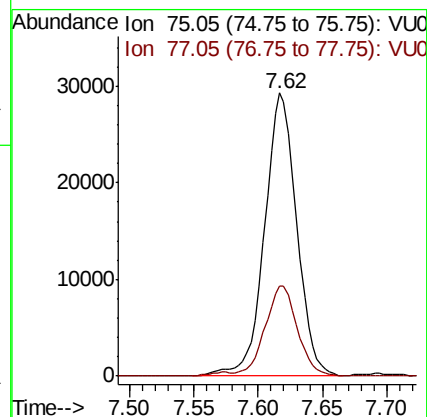
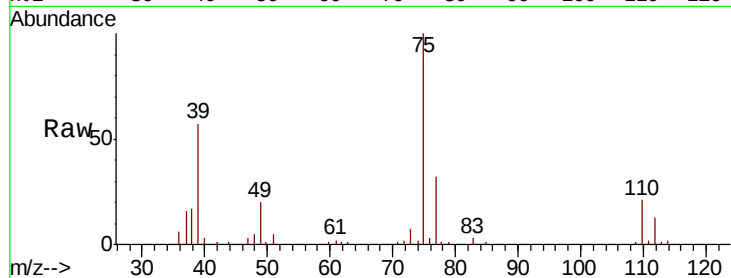


#39

cis-1,3-Dichloropropene
 Concen: 5.060 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

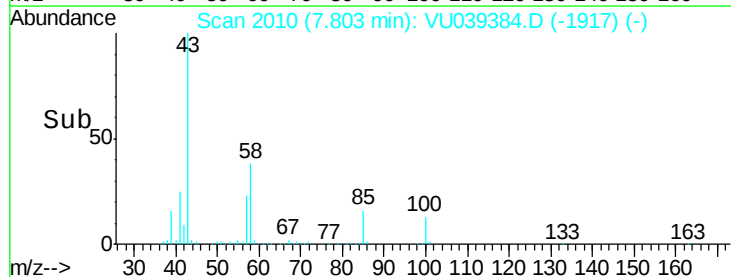
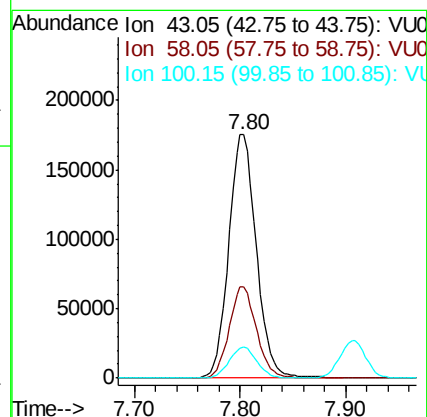
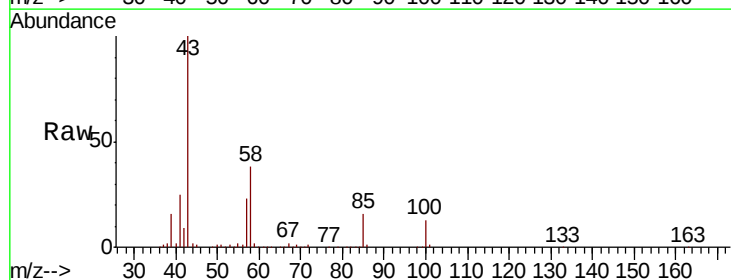
Tot Ion: 75 Resp: 50958
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3

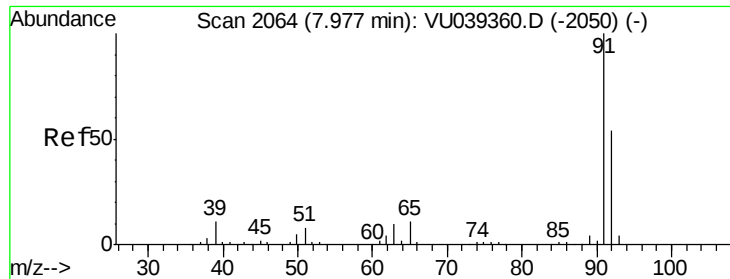


#40

4-Methyl-2-pentanone
 Concen: 56.984 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion: 43 Resp: 316666
 Ion Ratio Lower Upper
 43 100
 58 37.2 30.5 45.7
 100 12.7 10.3 15.5





#42

Toluene

Concen: 4.841 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

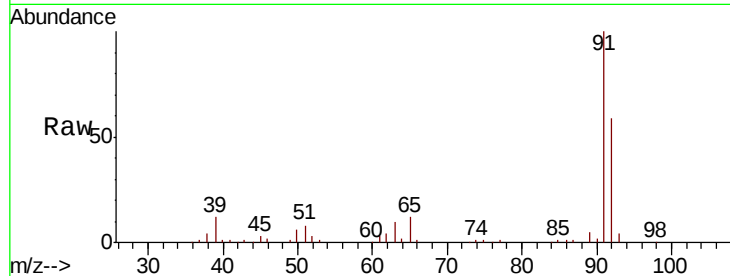
VSTD00510

Tot Ion: 91 Resp: 126681

Ion Ratio Lower Upper

91 100

92 58.8 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

80000

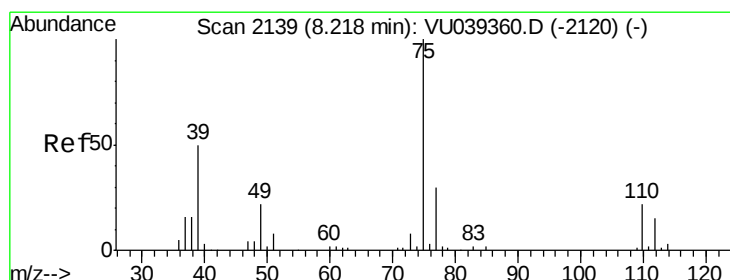
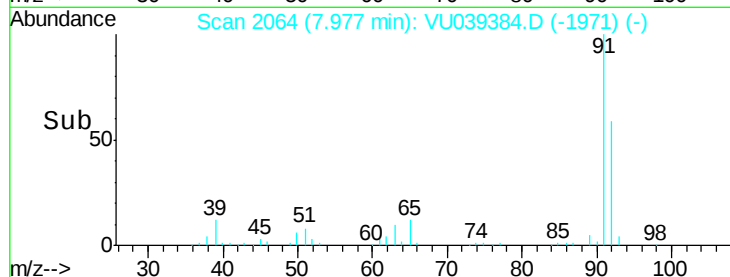
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.073 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039384.D

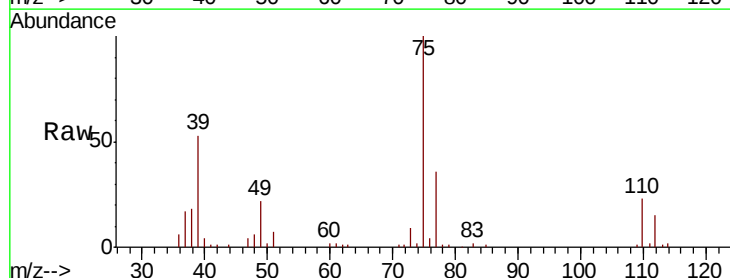
Acq: 09 Jul 2020 06:34

Tgt Ion: 75 Resp: 45317

Ion Ratio Lower Upper

75 100

77 35.8 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

30000

25000

20000

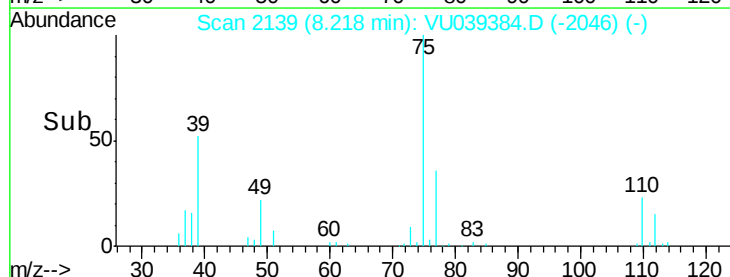
15000

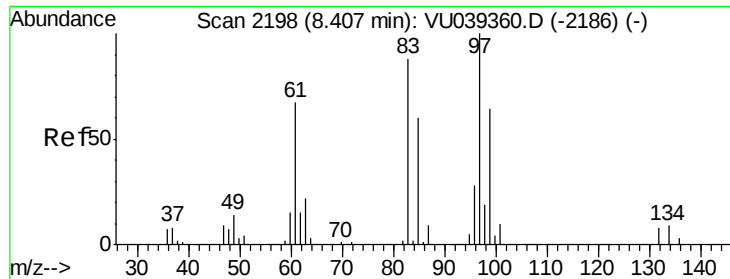
10000

5000

0

Time-->

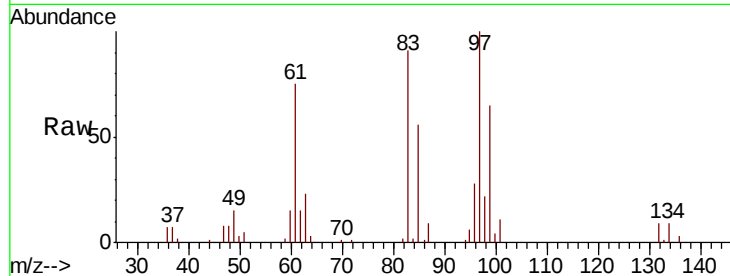




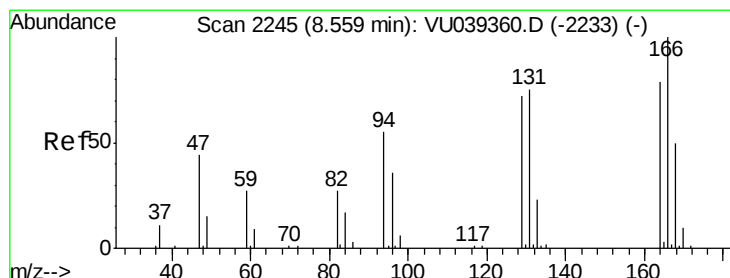
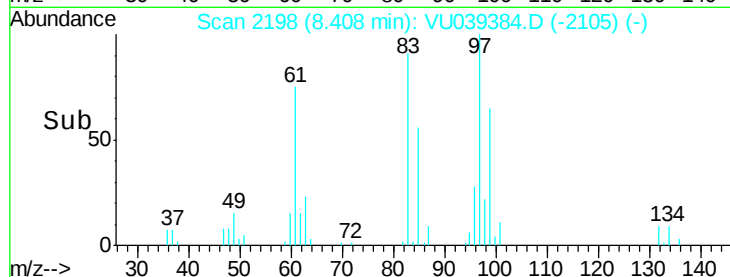
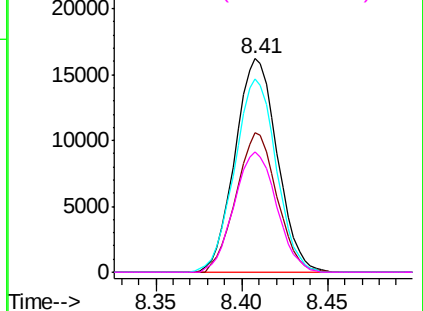
#45
 1,1,2-Trichloroethane
 Concen: 5.784 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion: 97 Resp: 27676
 Ion Ratio Lower Upper
 97 100
 99 65.3 40.7 75.7
 83 90.6 60.6 112.6
 85 56.3 38.3 71.1

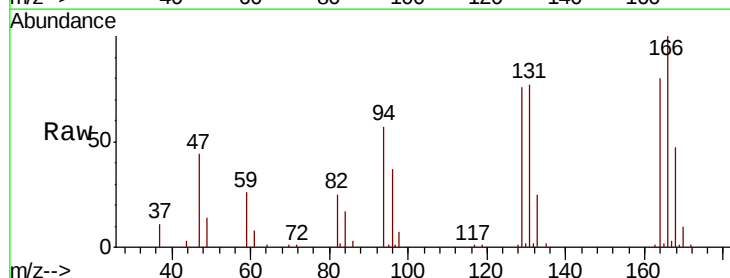


Abundance Ion 96.95 (96.65 to 97.65): VU0
 25000 Ion 99.05 (98.75 to 99.75): VU0
 20000 Ion 82.95 (82.65 to 83.65): VU0
 15000 Ion 85.00 (84.70 to 85.70): VU0

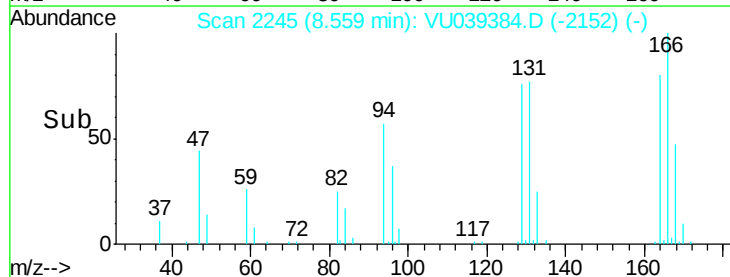
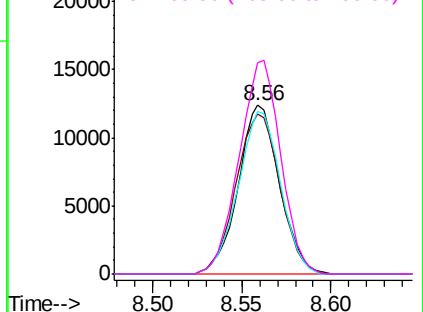


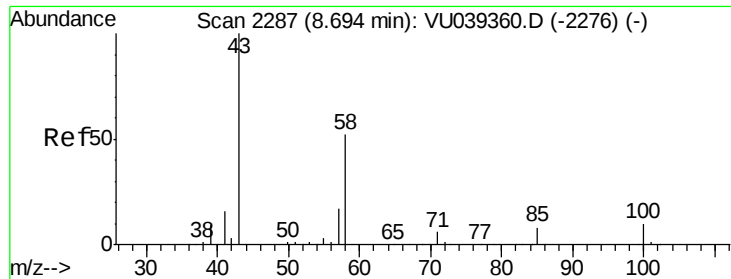
#47
 Tetrachloroethene
 Concen: 4.549 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion: 164 Resp: 19990
 Ion Ratio Lower Upper
 164 100
 129 94.7 68.6 127.4
 131 96.2 66.4 123.4
 166 124.7 85.9 159.5



Abundance Ion 163.90 (163.60 to 164.60): V
 25000 Ion 128.95 (128.65 to 129.65): V
 20000 Ion 130.95 (130.65 to 131.65): V
 15000 Ion 165.90 (165.60 to 166.60): V

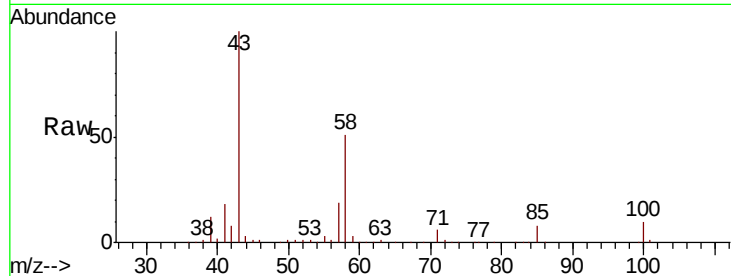




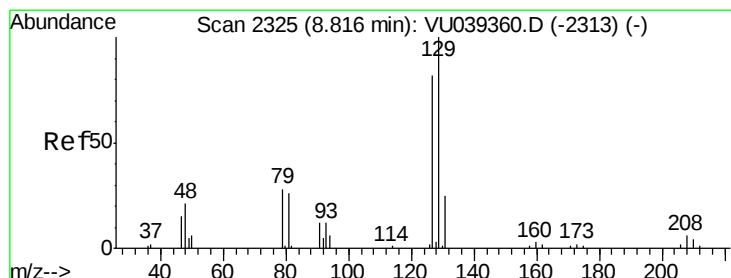
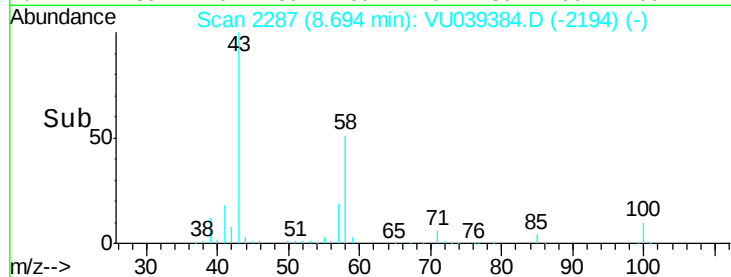
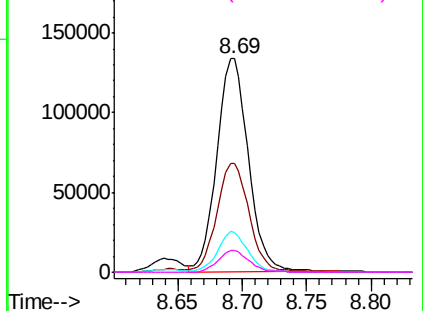
#48
2-Hexanone
Concen: 55.497 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:	43	Resp:	227396
Ion	Ratio	Lower	Upper
43	100		
58	51.8	42.0	63.0
57	18.3	14.0	21.0
100	10.2	8.2	12.2

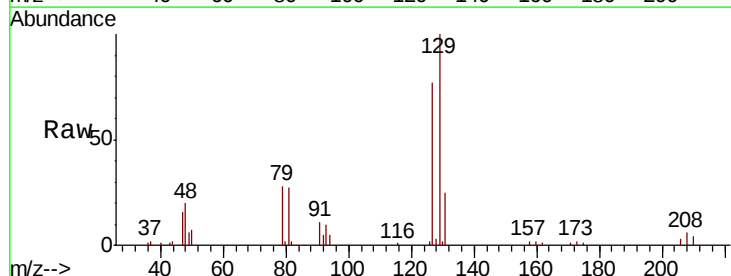


Abundance Ion 43.05 (42.75 to 43.75): VU039384.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039384.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039384.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039384.D (-2194) (-)

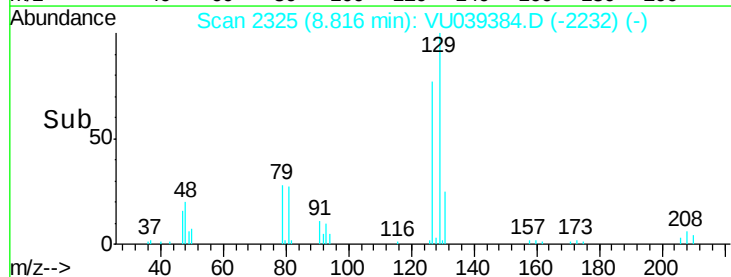
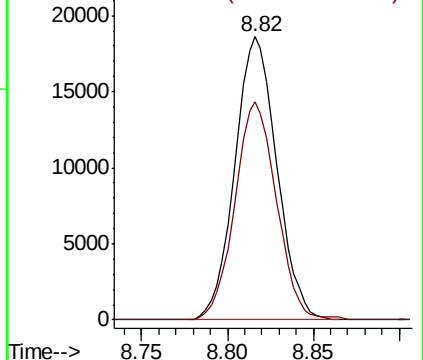


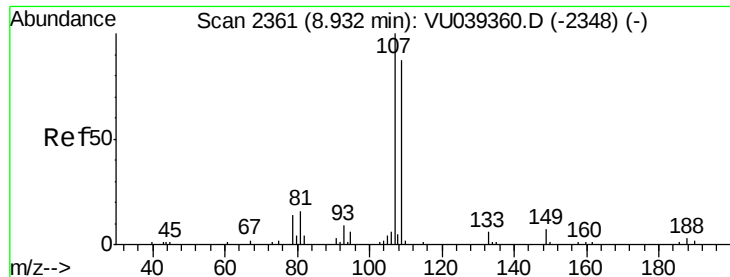
#49
Dibromochloromethane
Concen: 5.450 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion:	129	Resp:	31587
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.4	102.8



Abundance Ion 128.95 (128.65 to 129.65): VU039384.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU039384.D (-2232) (-)

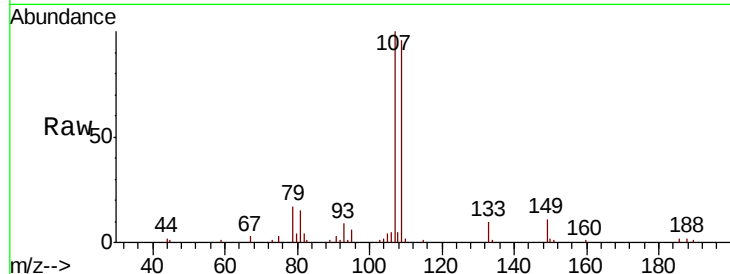




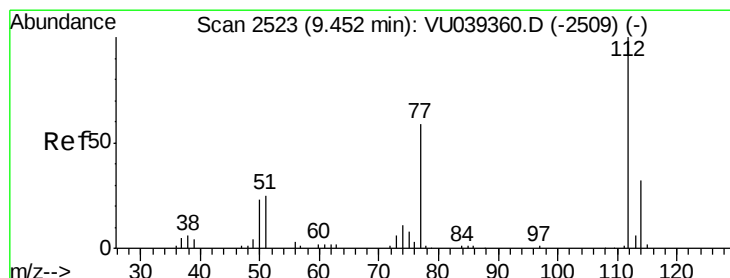
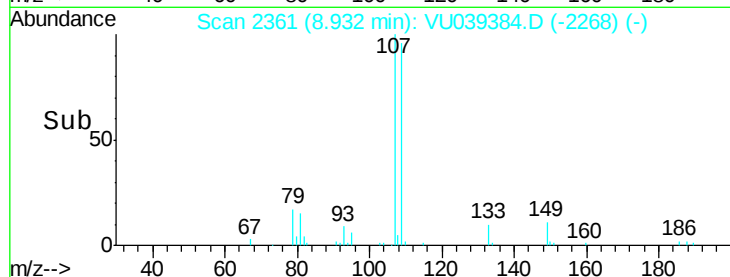
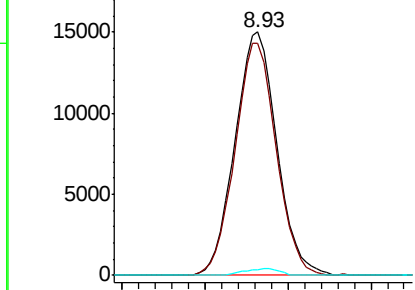
#50
 1,2-Dibromoethane
 Concen: 5.396 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	64.0	118.8
188	2.4	2.6	3.8#

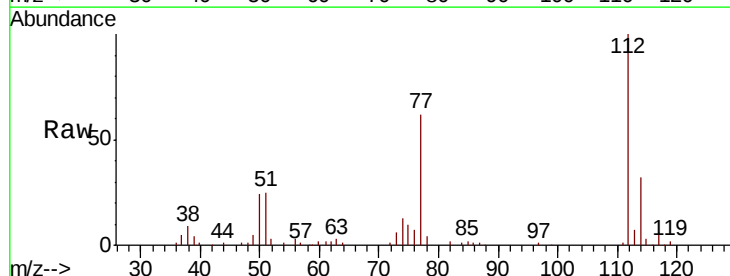


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

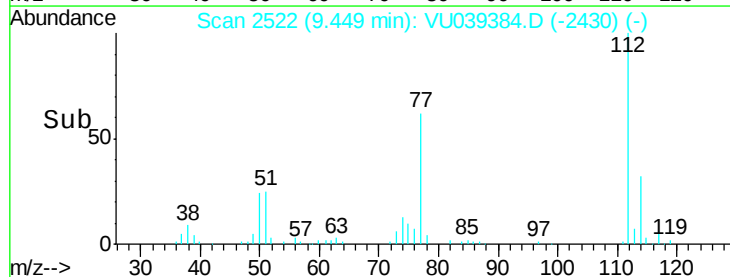
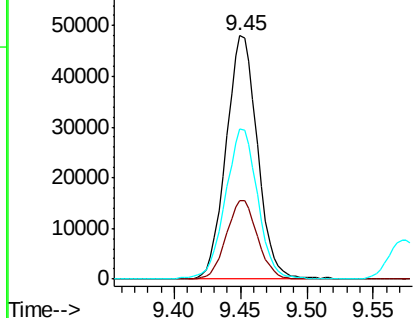


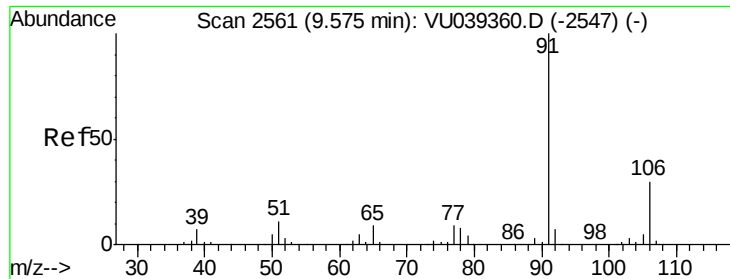
#51
 Chlorobenzene
 Concen: 4.933 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.1	41.1
77	61.6	49.9	74.9



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V

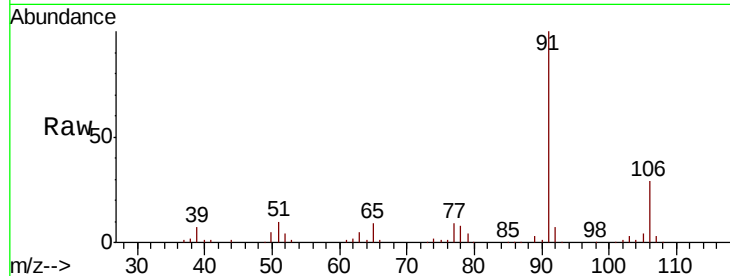




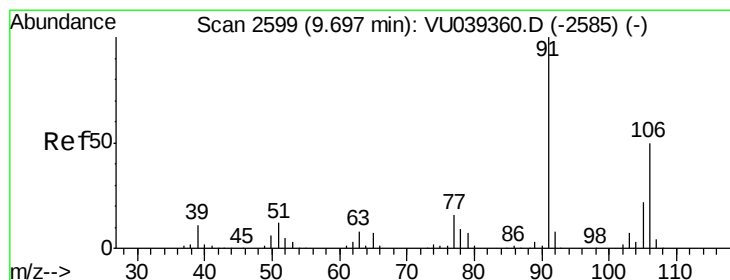
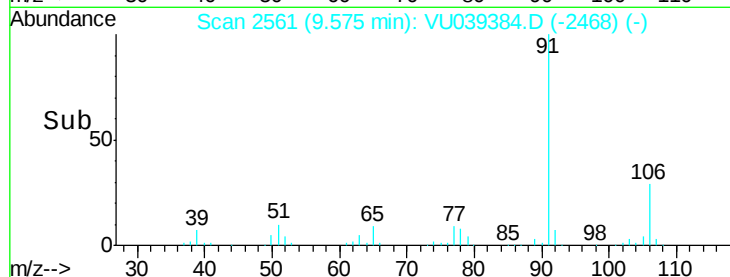
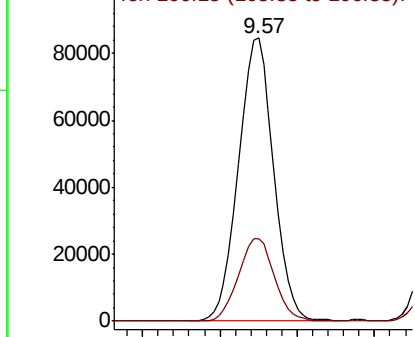
#52
Ethylbenzene
Concen: 4.621 ug/L
RT: 9.57 min Scan# 2561
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion: 91 Resp: 133623
Ion Ratio Lower Upper
91 100
106 29.1 21.3 39.6

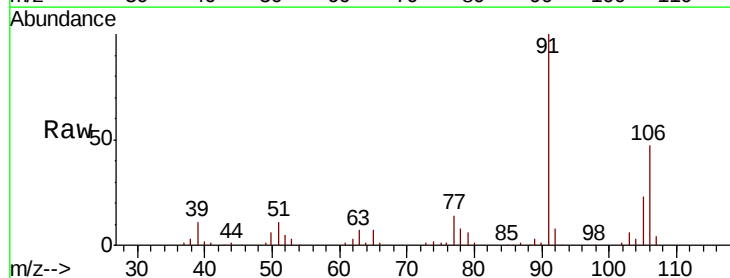


Abundance Ion 91.15 (90.85 to 91.85): VU039384.D (-2547) (-)
Ion 106.15 (105.85 to 106.85): VU039384.D (-2547) (-)

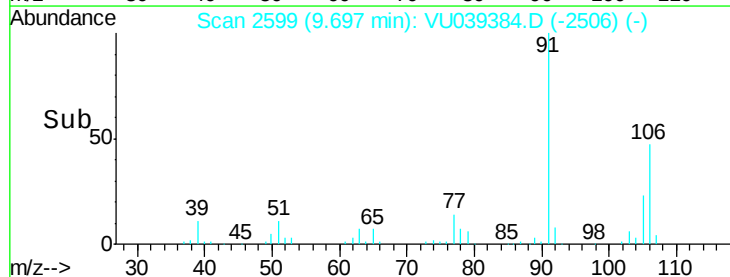
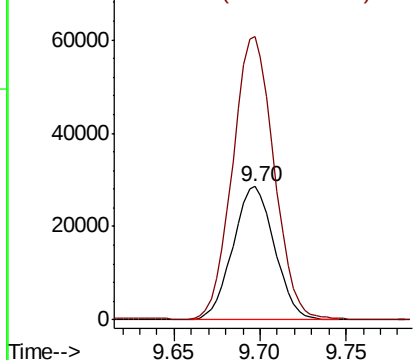


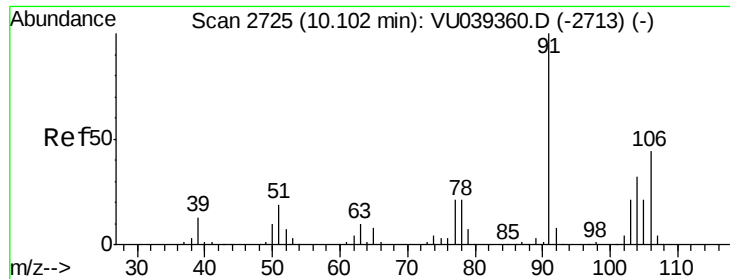
#53
m,p-Xylene
Concen: 4.397 ug/L
RT: 9.70 min Scan# 2599
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion: 106 Resp: 47913
Ion Ratio Lower Upper
106 100
91 212.6 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VU039384.D (-2599) (-)
Ion 91.15 (90.85 to 91.85): VU039384.D (-2599) (-)

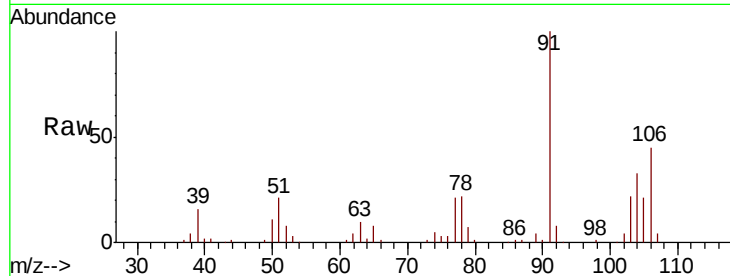




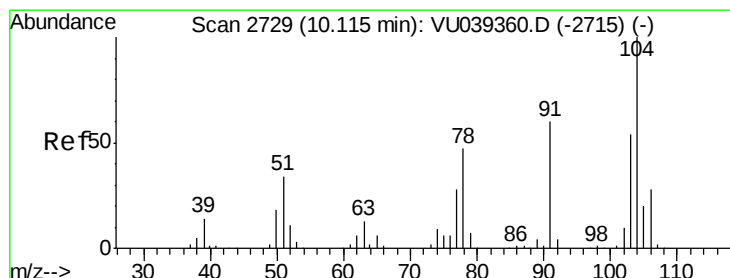
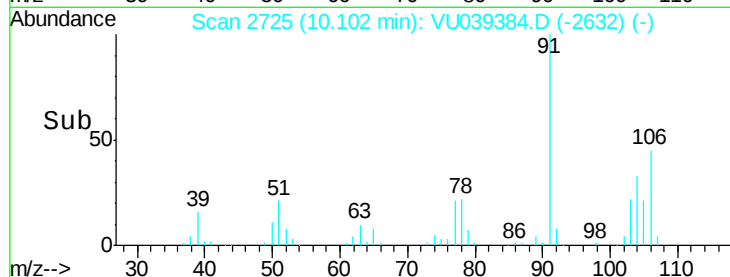
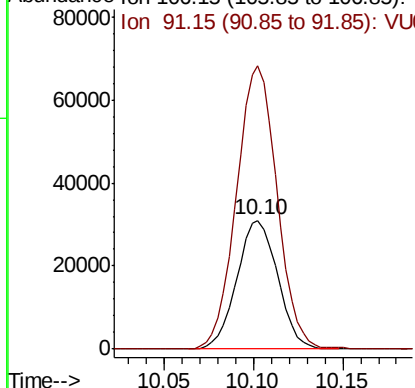
#54
o-Xylene
Concen: 4.650 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD00510

Tot Ion:106 Resp: 49323
Ion Ratio Lower Upper
106 100
91 219.9 154.6 287.2

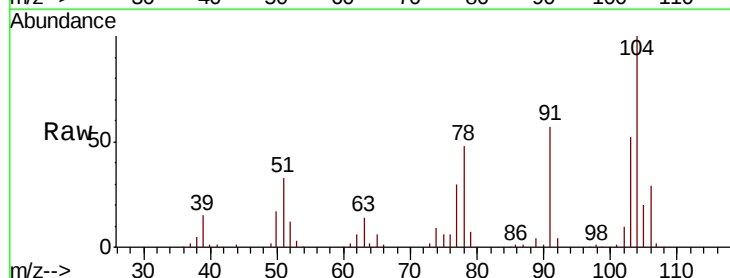


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

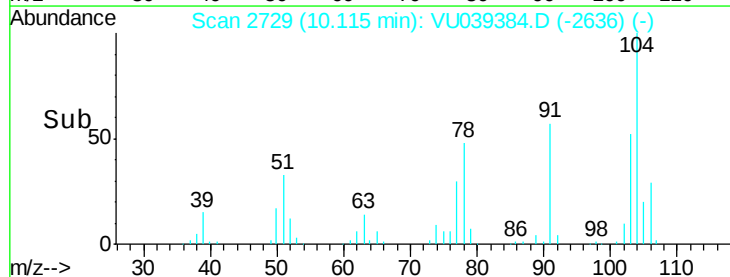
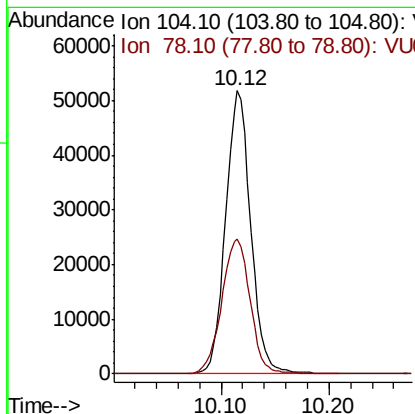


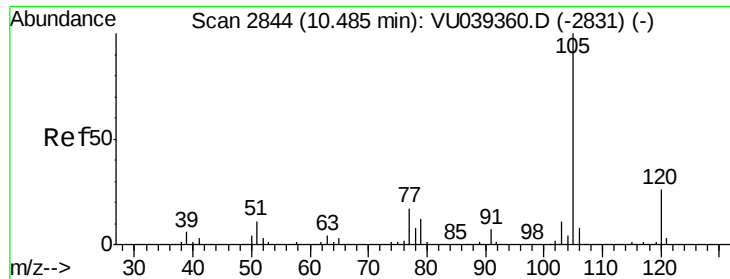
#55
Styrene
Concen: 4.553 ug/L
RT: 10.12 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039384.D
Acq: 09 Jul 2020 06:34

Tgt Ion:104 Resp: 84039
Ion Ratio Lower Upper
104 100
78 47.6 33.1 61.5



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





#56

Isopropylbenzene

Concen: 4.245 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleID :

VSTD00510

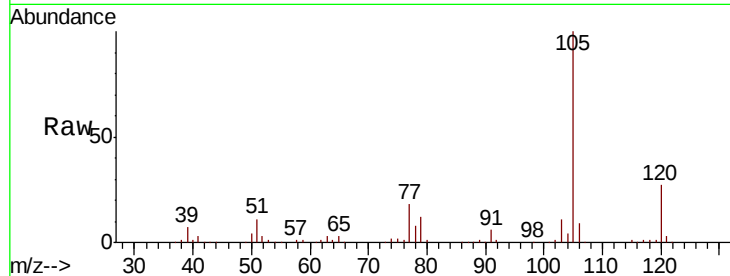
Tot Ion:105 Resp: 121780

Ion Ratio Lower Upper

105 100

120 26.6 20.7 31.1

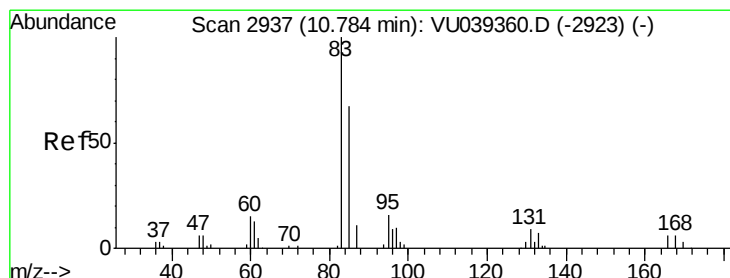
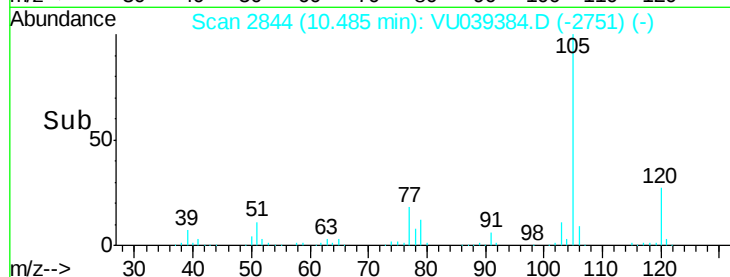
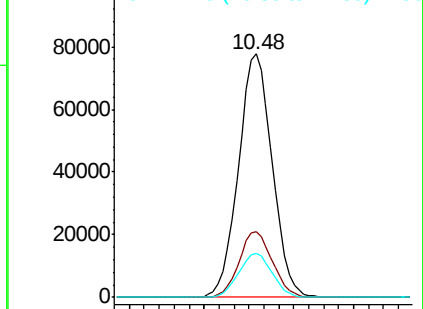
77 17.9 13.9 20.9



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: 5.556 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

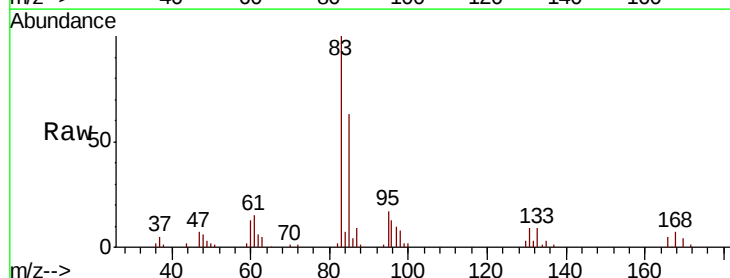
Tgt Ion: 83 Resp: 37004

Ion Ratio Lower Upper

83 100

85 63.4 46.1 85.7

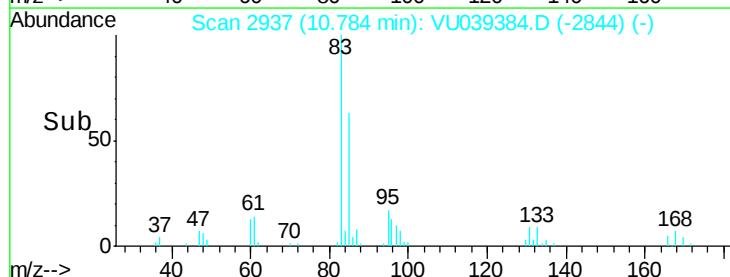
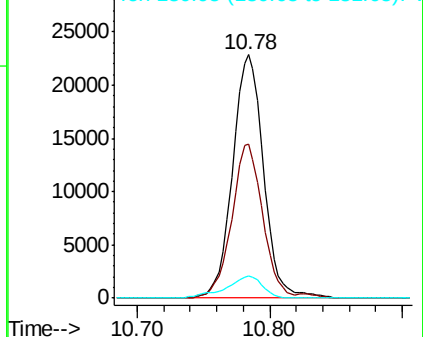
131 8.9 7.4 11.0

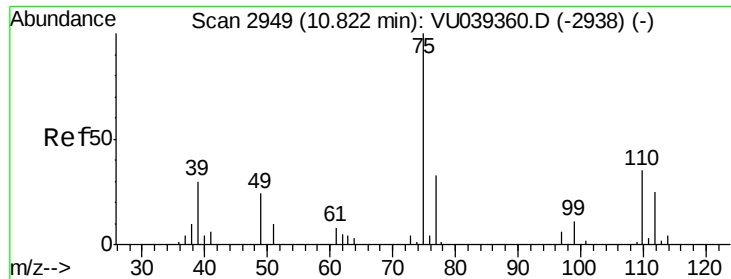


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

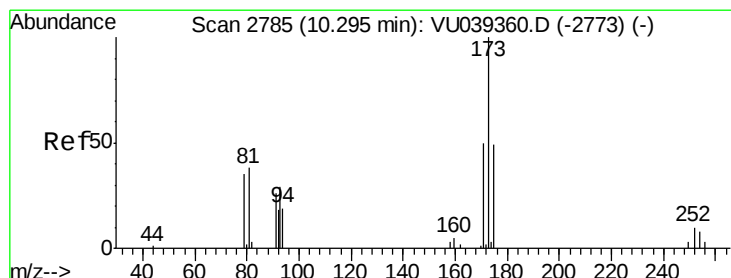
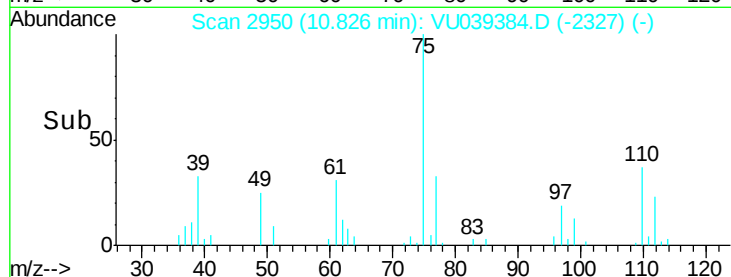
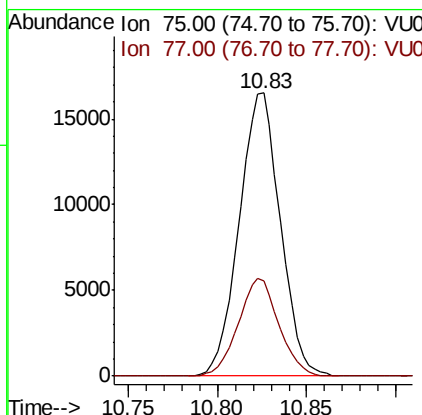
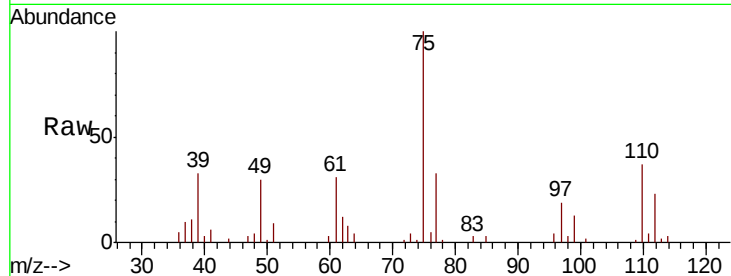




#59
 1,2,3-Trichloropropane
 Concen: 5.425 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

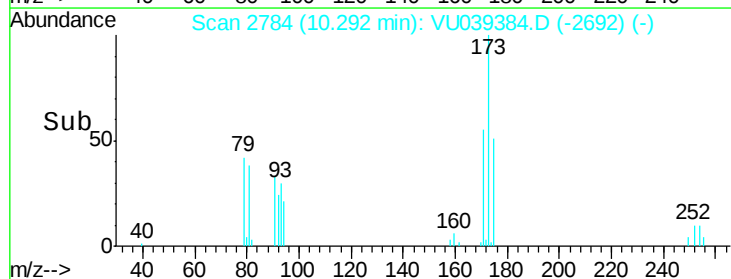
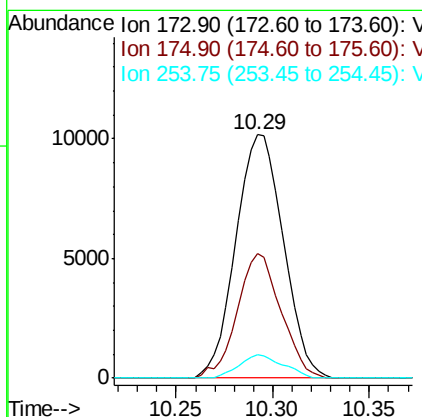
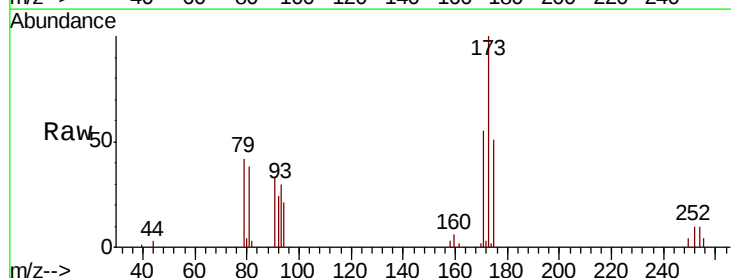
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

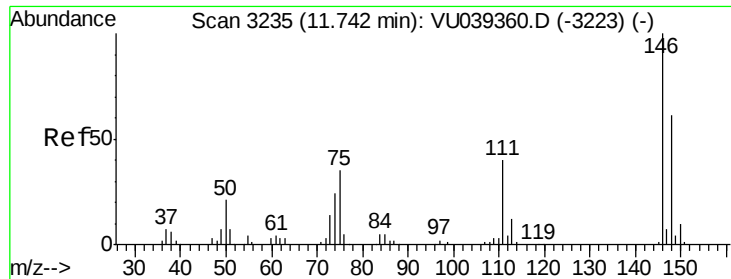
Tot Ion: 75 Resp: 26633
 Ion Ratio Lower Upper
 75 100
 77 33.8 26.8 40.2



#61
 Bromoform
 Concen: 5.421 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion: 173 Resp: 17419
 Ion Ratio Lower Upper
 173 100
 175 46.9 37.5 56.3
 254 8.9 6.7 10.1

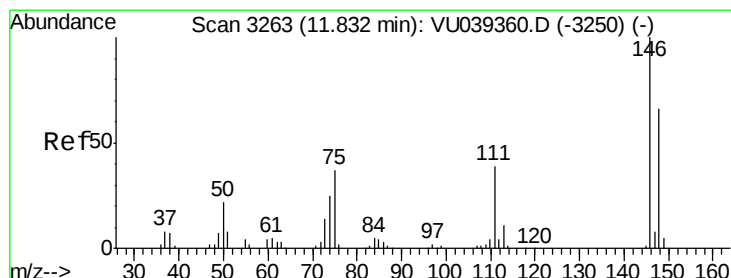
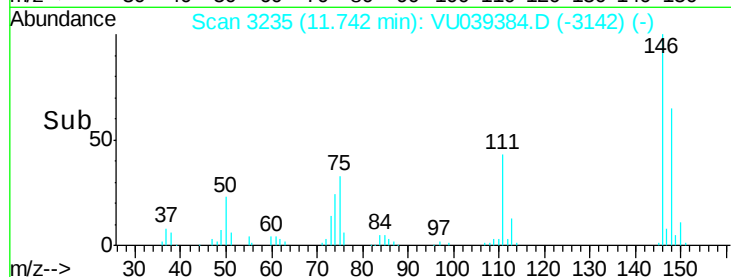
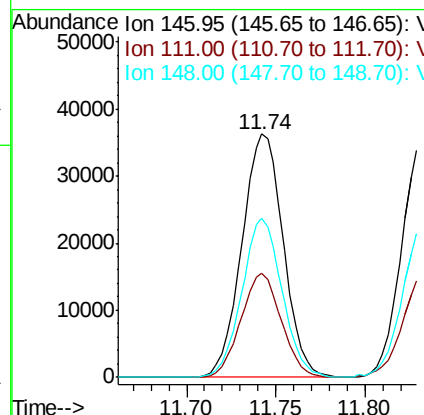
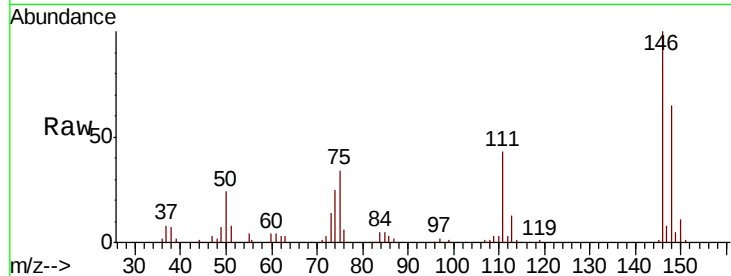




#62
 1,3-Dichlorobenzene
 Concen: 4.920 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

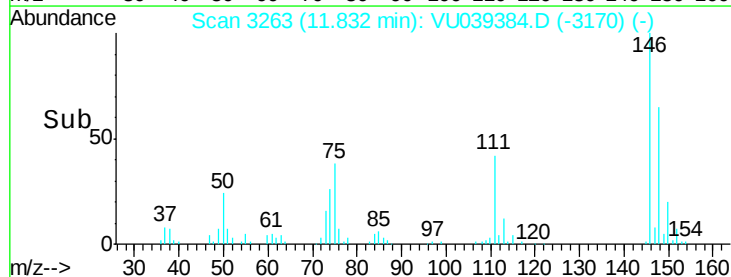
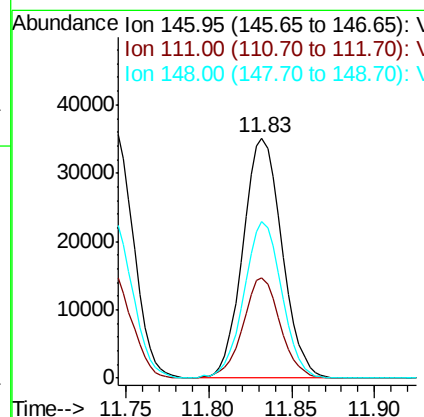
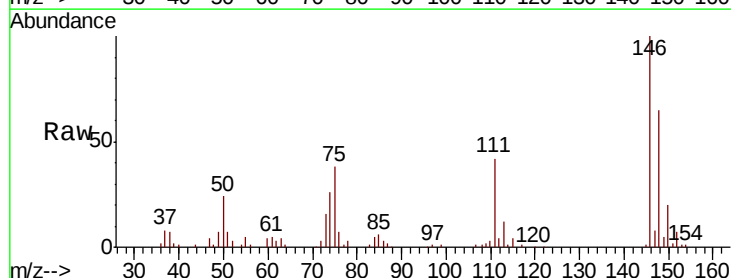
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

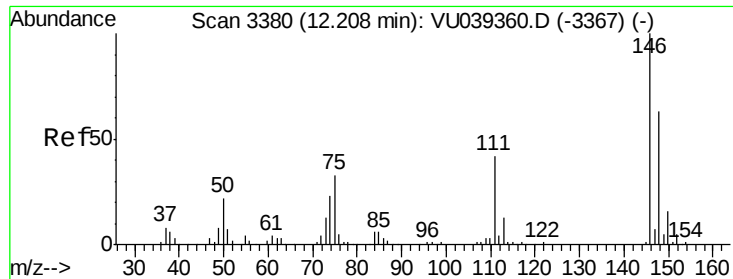
Tot Ion:146 Resp: 58781
 Ion Ratio Lower Upper
 146 100
 111 42.9 29.0 53.8
 148 65.4 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 4.804 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion:146 Resp: 57578
 Ion Ratio Lower Upper
 146 100
 111 42.0 28.6 53.0
 148 65.0 45.0 83.6

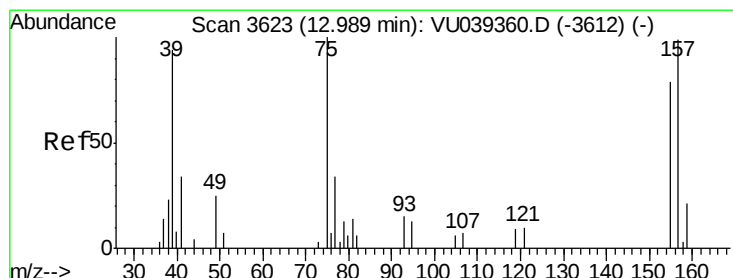
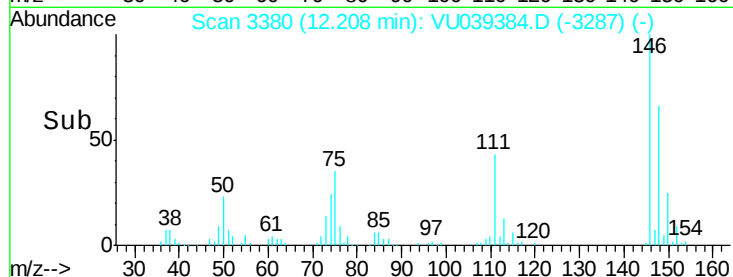
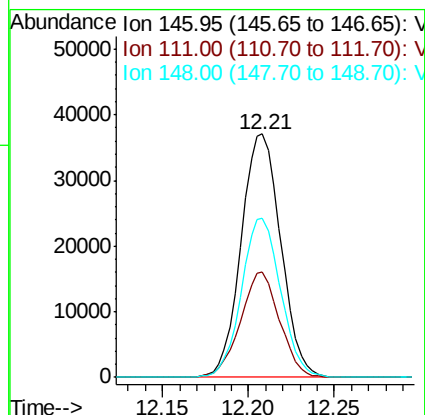
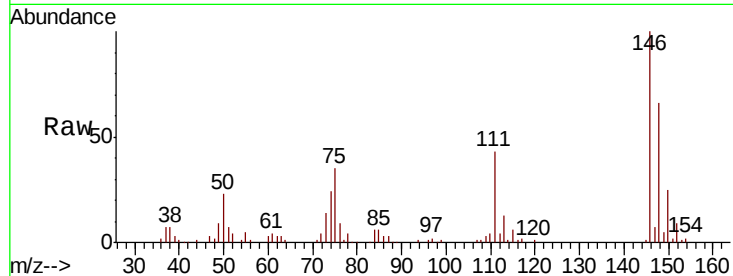




#65
 1,2-Dichlorobenzene
 Concen: 4.965 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

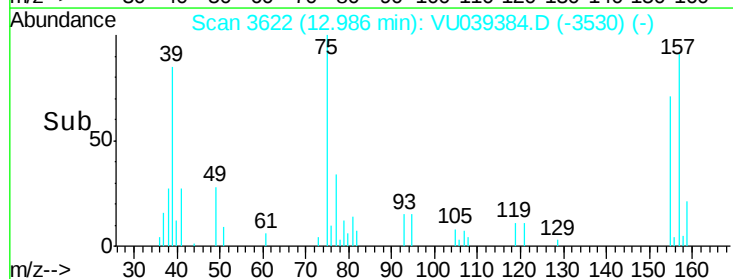
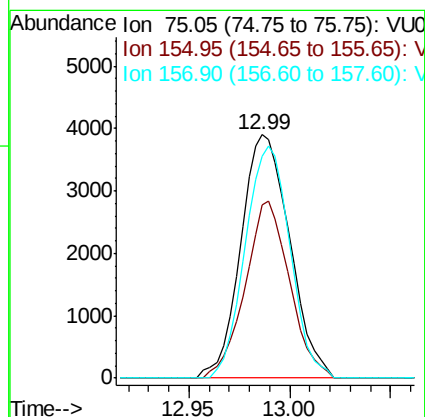
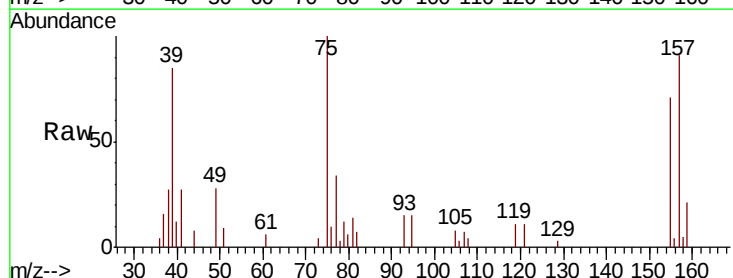
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

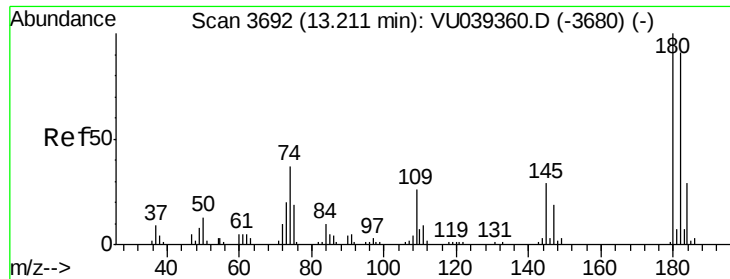
Tot Ion:146 Resp: 59459
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.0 52.4
 148 65.5 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.241 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion: 75 Resp: 6602
 Ion Ratio Lower Upper
 75 100
 155 70.9 51.9 77.9
 157 90.9 63.2 94.8

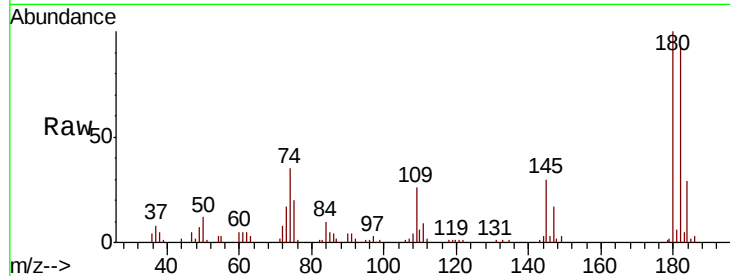




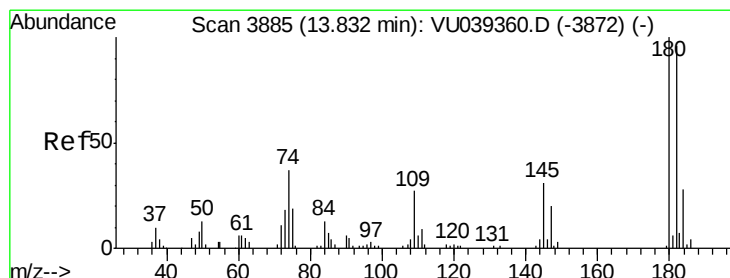
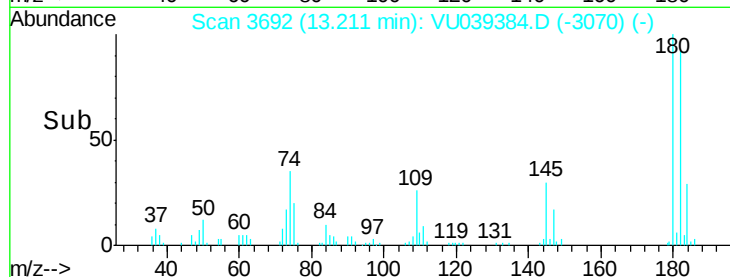
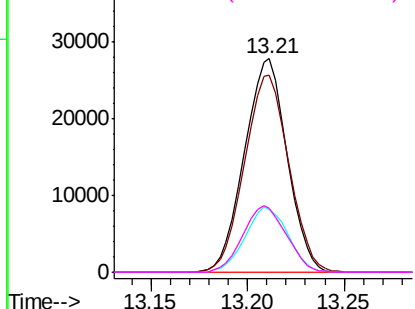
#67
 1,3,5-Trichlorobenzene
 Concen: 4.771 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00510

Tot Ion:180 Resp: 42649
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.4
 184 30.4 24.2 36.4
 145 31.6 24.2 36.2

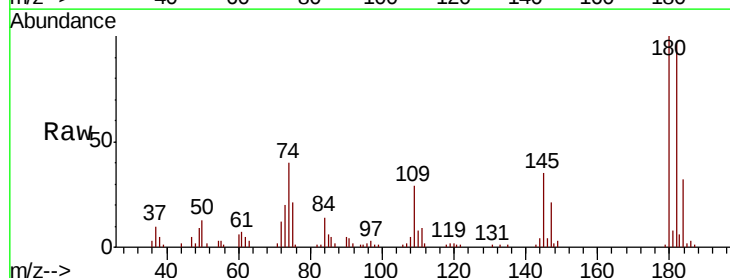


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

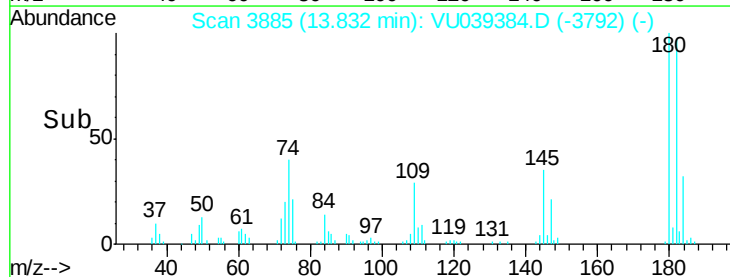
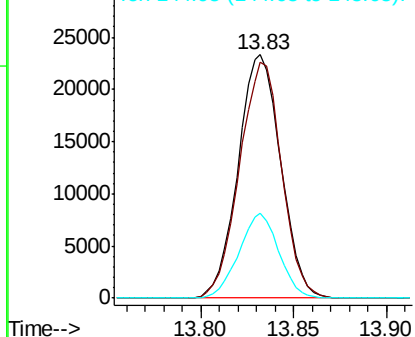


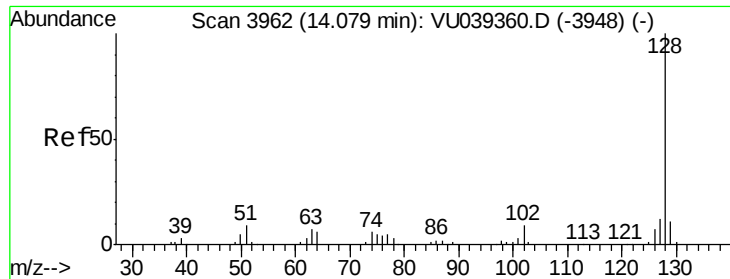
#68
 1,2,4-trichlorobenzene
 Concen: 4.862 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039384.D
 Acq: 09 Jul 2020 06:34

Tgt Ion:180 Resp: 37192
 Ion Ratio Lower Upper
 180 100
 182 95.8 79.4 119.2
 145 32.3 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.936 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD00510

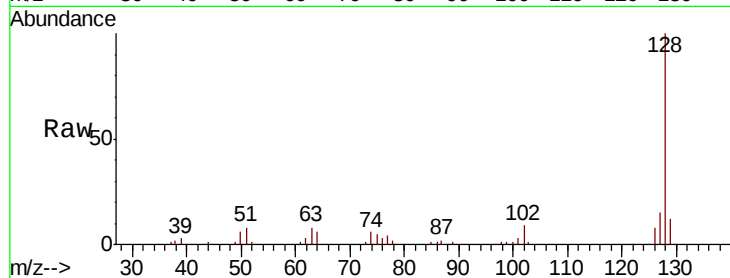
Tot Ion:128 Resp: 75984

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

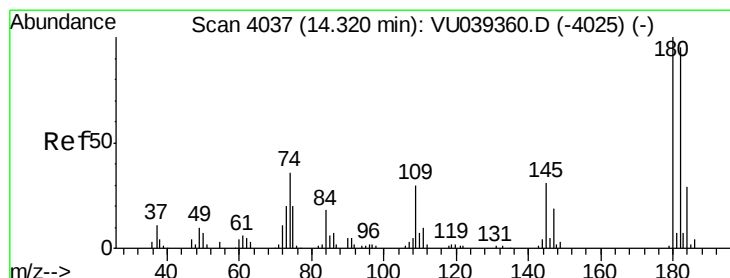
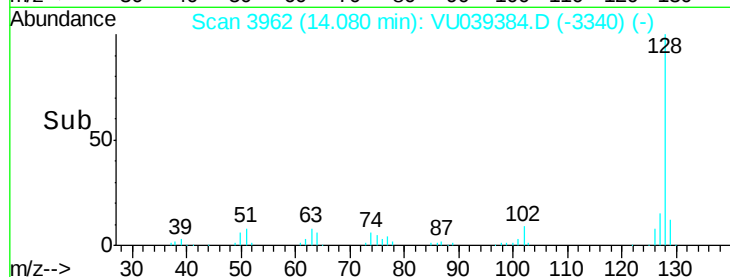
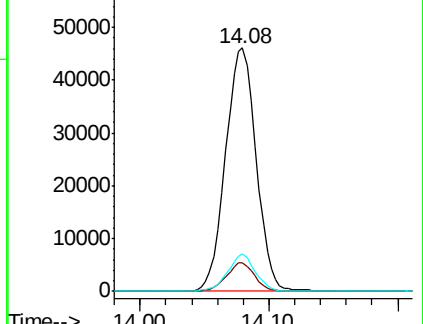
127 13.8 10.4 15.6



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: 5.054 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039384.D

Acq: 09 Jul 2020 06:34

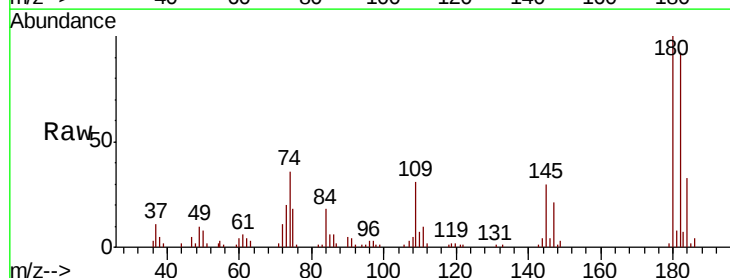
Tgt Ion:180 Resp: 35824

Ion Ratio Lower Upper

180 100

182 93.1 74.2 111.2

145 32.2 27.6 41.4



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

