

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062620\
 Data File : VU039177.D
 Acq On : 26 Jun 2020 20:49
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Jun 26 23:57:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 26 23:52:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	261095	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	255852	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	131850	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	64019	3.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.00%
7) Chloroethane-d5	1.93	69	65414	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.60	63	145887	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.40%
20) 2-Butanone-d5	4.68	46	358385	51.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.88%
24) Chloroform-d	5.10	84	168860	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.74	65	101701	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.76	84	295231	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.72	67	100773	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	7.92	98	247306	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.20	79	44184	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.66	63	282241	52.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.56%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	101874	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	103857	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	104169	4.458 ug/L	98
3) Chloromethane	1.53	50	107196	4.262 ug/L	93
5) Vinyl chloride	1.62	62	114477	4.514 ug/L	100
6) Bromomethane	1.88	94	60840	4.456 ug/L	100
8) Chloroethane	1.95	64	69462	4.544 ug/L	99
9) Trichlorofluoromethane	2.16	101	157112	4.839 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	88386	4.676 ug/L	97
12) 1,1-Dichloroethene	2.61	96	83916	4.641 ug/L	93
13) Acetone	2.68	43	200632	42.817 ug/L	99
14) Carbon disulfide	2.82	76	259255	4.300 ug/L	100
15) Methyl Acetate	2.99	43	46471	4.177 ug/L	96
16) Methylene chloride	3.08	84	96538	4.327 ug/L	98
17) Methyl tert-butyl Ether	3.40	73	238486	4.633 ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	87691	4.532 ug/L	95
19) 1,1-Dichloroethane	3.91	63	175112	4.553 ug/L	98
21) 2-Butanone	4.75	43	328306	46.083 ug/L	99
22) cis-1,2-Dichloroethene	4.70	96	95533	4.575 ug/L	95

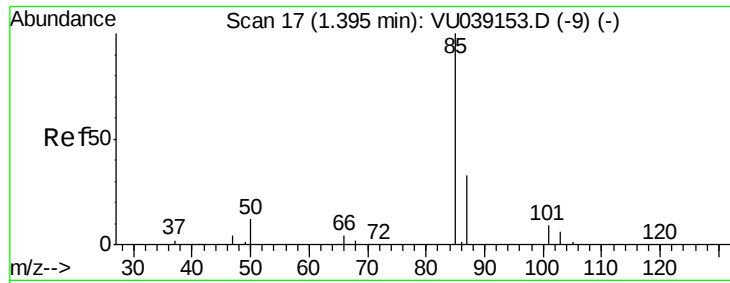
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	44330	4.613	ug/L	97
25) Chloroform	5.12	83	177449	4.592	ug/L	95
27) 1,2-Dichloroethane	5.83	62	127712	4.638	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	155856	4.881	ug/L	99
30) Cyclohexane	5.42	56	144286	4.857	ug/L	99
31) Carbon tetrachloride	5.56	117	128513	4.833	ug/L	99
33) Benzene	5.81	78	376427	4.683	ug/L	100
34) Trichloroethene	6.57	95	96557	4.966	ug/L	98
35) Methylcyclohexane	6.79	83	146711	5.085	ug/L	98
37) 1,2-Dichloropropane	6.82	63	99317	4.560	ug/L	100
38) Bromodichloromethane	7.13	83	129453	4.768	ug/L	99
39) cis-1,3-Dichloropropene	7.63	75	143233	4.745	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	765014	47.063	ug/L	99
42) Toluene	7.99	91	389851	4.886	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	134659	4.767	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	74031	4.574	ug/L	96
47) Tetrachloroethene	8.57	164	68180	4.865	ug/L	97
48) 2-Hexanone	8.71	43	594463	49.885	ug/L	99
49) Dibromochloromethane	8.83	129	85657	4.867	ug/L	97
50) 1,2-Dibromoethane	8.94	107	72183	4.717	ug/L	95
51) Chlorobenzene	9.47	112	243148	4.841	ug/L	99
52) Ethylbenzene	9.59	91	410447	4.894	ug/L	98
53) m,p-Xylene	9.71	106	157478	5.106	ug/L	99
54) o-Xylene	10.11	106	148131	5.000	ug/L	98
55) Styrene	10.13	104	266662	5.125	ug/L	100
56) Isopropylbenzene	10.50	105	396791	5.111	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	95957	4.434	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	80788	4.920	ug/L	98
61) Bromoform	10.31	173	47993	4.456	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	186753	4.763	ug/L	100
63) 1,4-Dichlorobenzene	11.85	146	194347	4.813	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	181181	4.609	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	18648	4.300	ug/L	97
67) 1,3,5-Trichlorobenzene	13.24	180	133884	4.614	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	121556	4.599	ug/L	98
69) Naphthalene	14.11	128	234226	4.154	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	113194	4.437	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.458 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

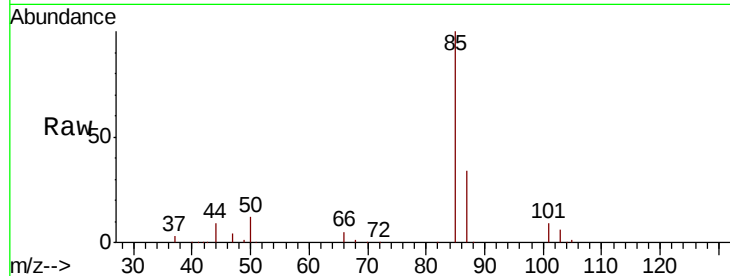
VSTD00520

Tot Ion: 85 Resp: 104169

Ion Ratio Lower Upper

85 100

87 33.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU039153.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039153.D (-9) (-)

1.39

100000

80000

60000

40000

20000

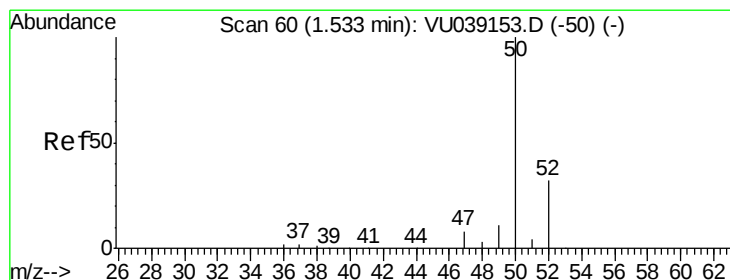
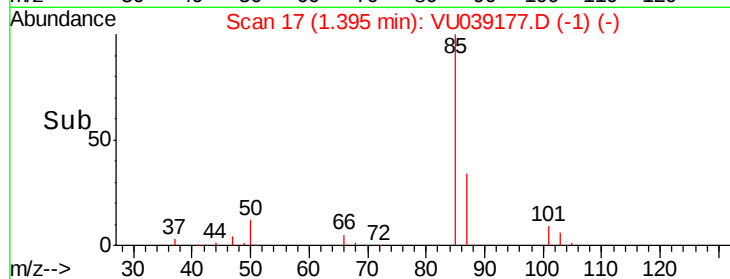
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 4.262 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU039177.D

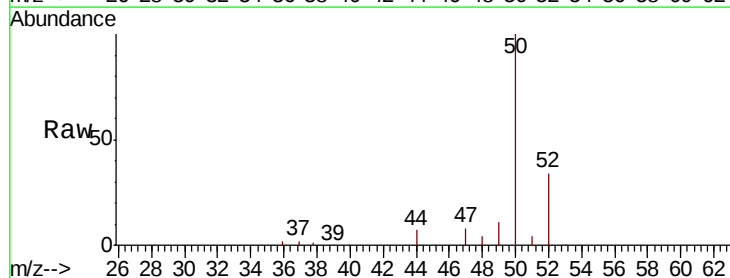
Acq: 26 Jun 2020 20:49

Tgt Ion: 50 Resp: 107196

Ion Ratio Lower Upper

50 100

52 34.2 21.1 39.3



Abundance Ion 50.05 (49.75 to 50.75): VU039153.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039153.D (-50) (-)

1.53

100000

80000

60000

40000

20000

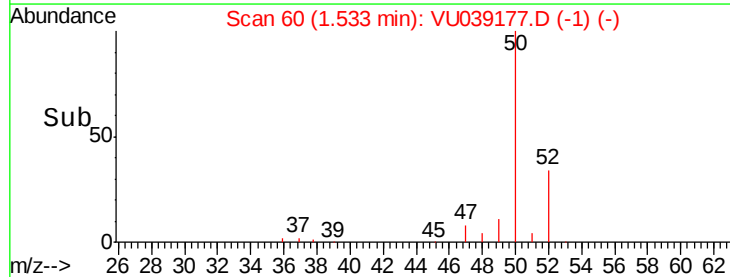
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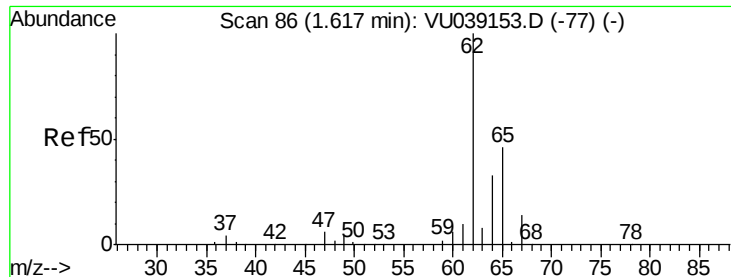
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 4.514 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleID :

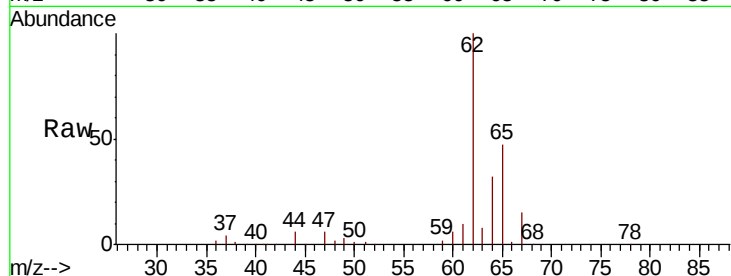
VSTD00520

Tot Ion: 62 Resp: 114477

Ion Ratio Lower Upper

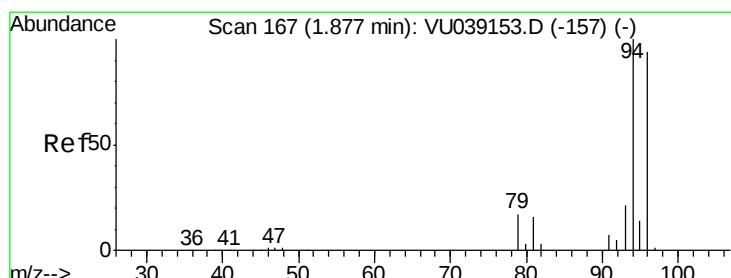
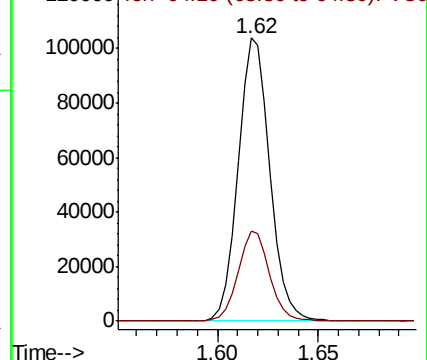
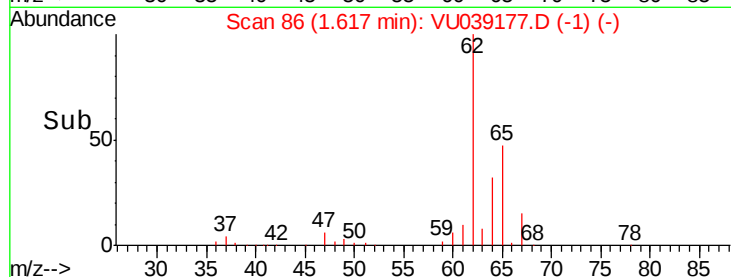
62 100

64 31.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VU039177.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039177.D (-1) (-)



#6

Bromomethane

Concen: 4.456 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU039177.D

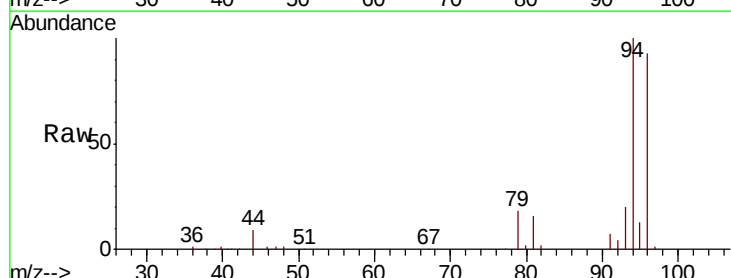
Acq: 26 Jun 2020 20:49

Tgt Ion: 94 Resp: 60840

Ion Ratio Lower Upper

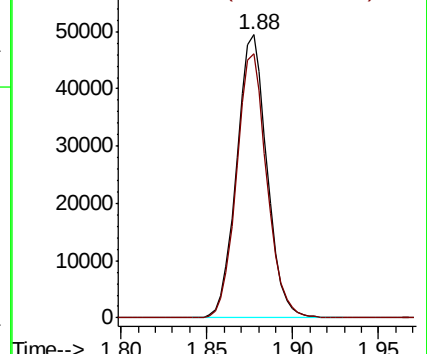
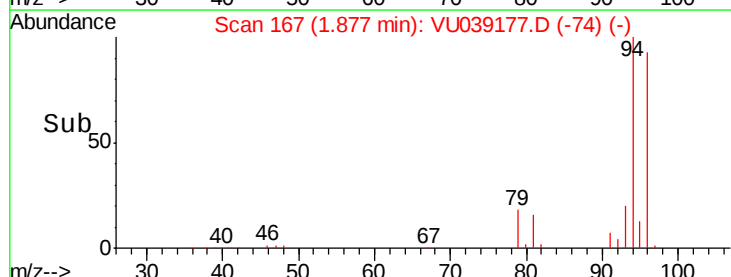
94 100

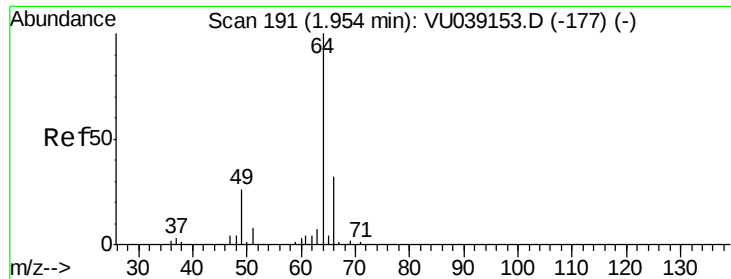
96 93.2 64.9 120.5



Abundance Ion 94.00 (93.70 to 94.70): VU039177.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU039177.D (-74) (-)

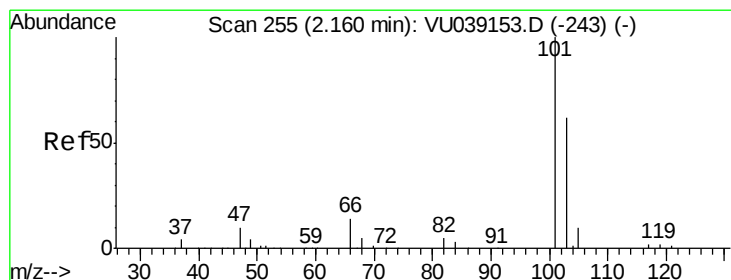
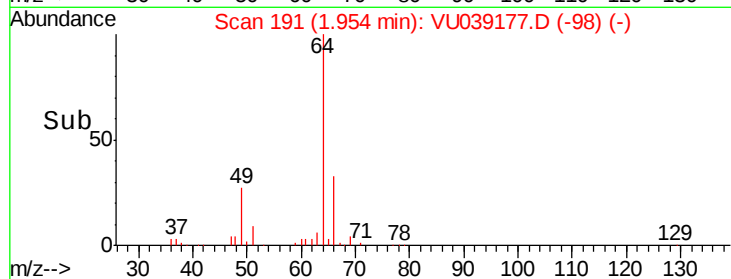
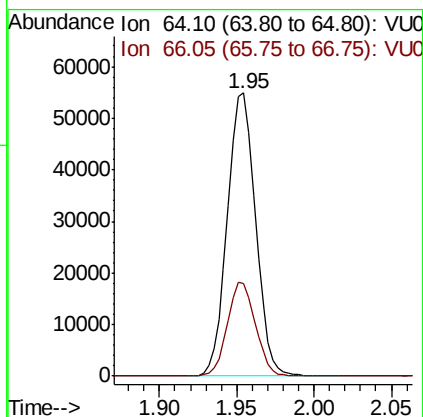
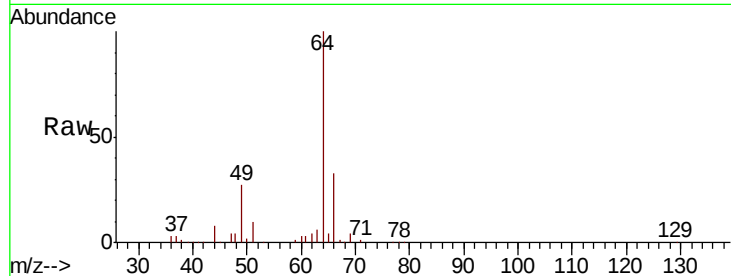




#8
Chloroethane
Concen: 4.544 ug/L
RT: 1.95 min Scan# 191
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

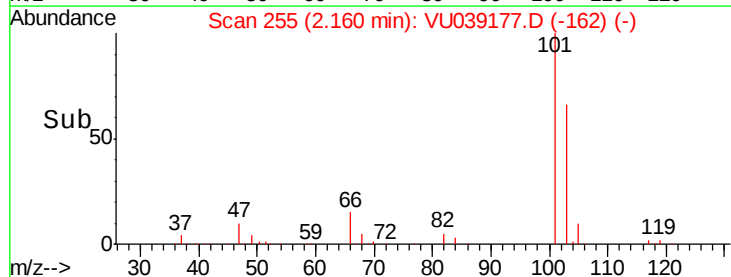
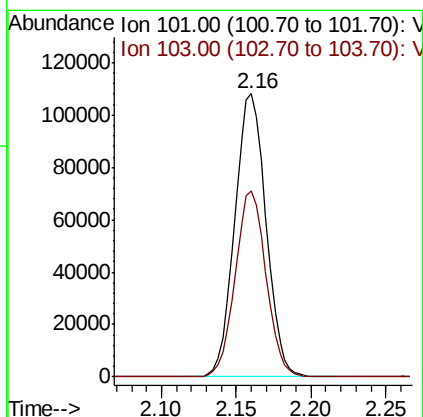
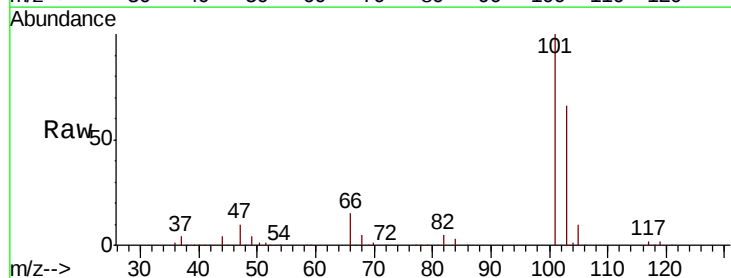
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

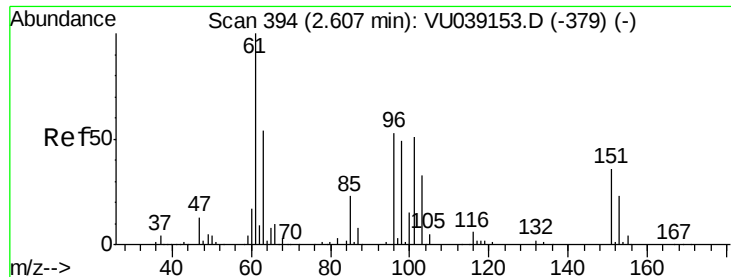
Tot Ion: 64 Resp: 69462
Ion Ratio Lower Upper
64 100
66 32.9 23.4 43.4



#9
Trichlorofluoromethane
Concen: 4.839 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion:101 Resp: 157112
Ion Ratio Lower Upper
101 100
103 65.1 51.4 77.0





#10

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

Concen: 4.676 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

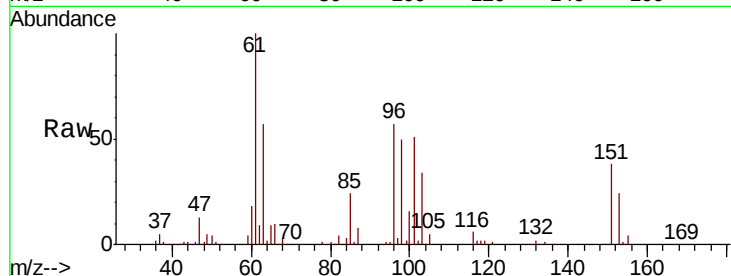
Tot Ion:101 Resp: 88386

Ion Ratio Lower Upper

101 100

85 46.3 36.2 54.4

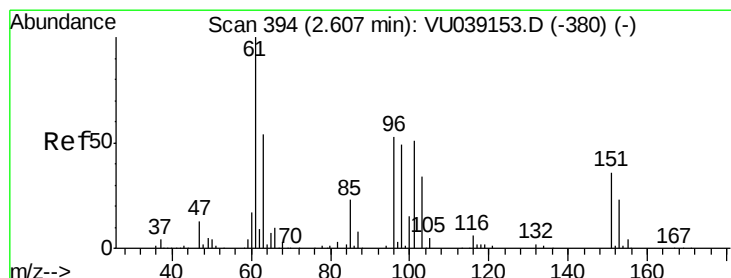
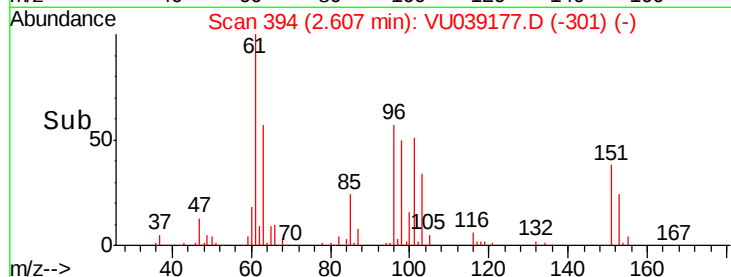
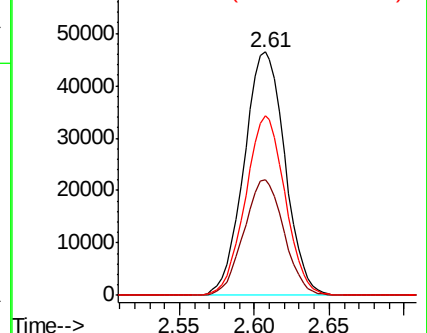
151 71.5 55.0 82.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.641 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

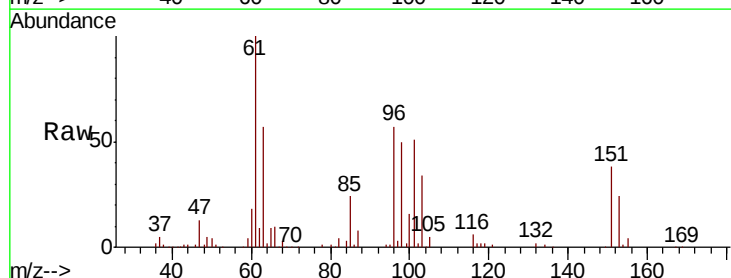
Tgt Ion: 96 Resp: 83916

Ion Ratio Lower Upper

96 100

61 176.3 125.1 232.3

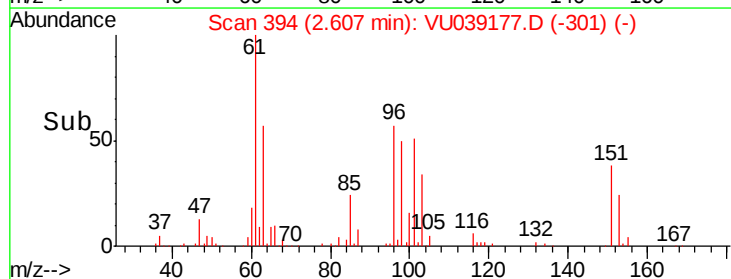
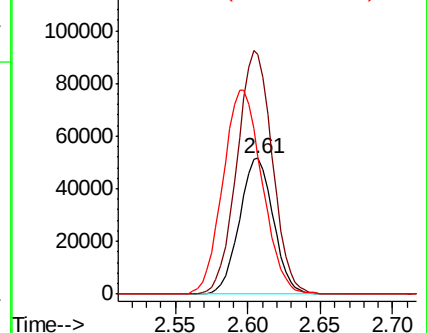
63 101.2 82.3 152.8

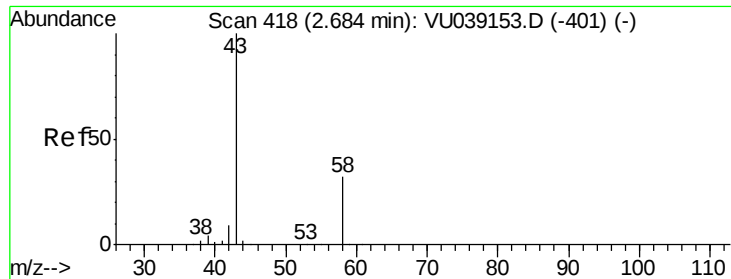


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 42.817 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

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MSVOA_U

ClientSampleId :

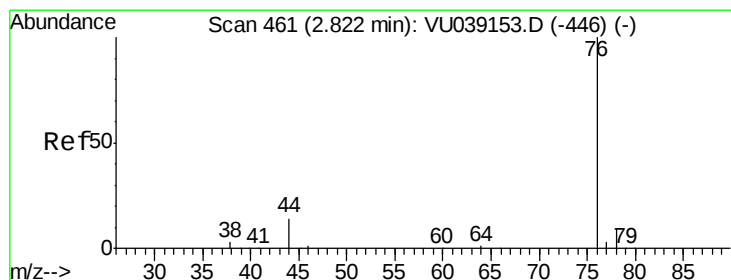
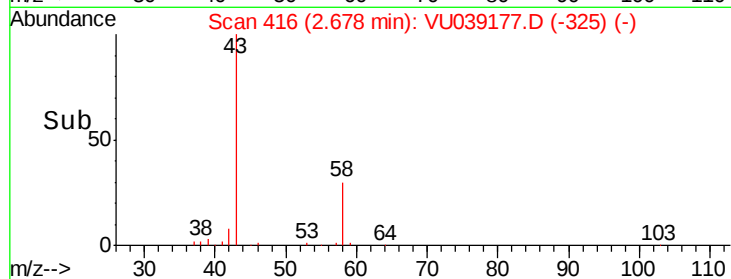
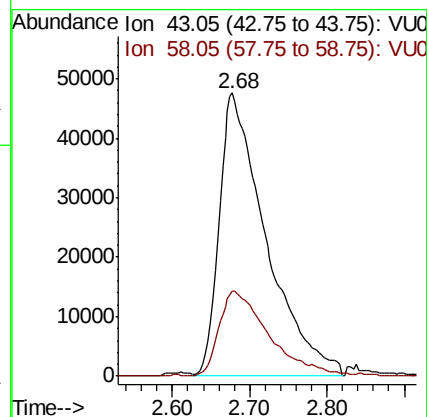
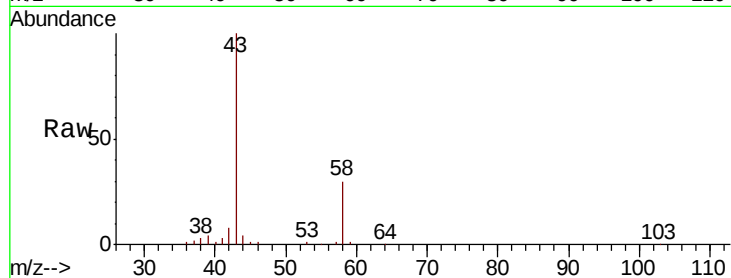
VSTD00520

Tot Ion: 43 Resp: 200632

Ion Ratio Lower Upper

43 100

58 31.6 0.0 64.4



#14

Carbon disulfide

Concen: 4.300 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU039177.D

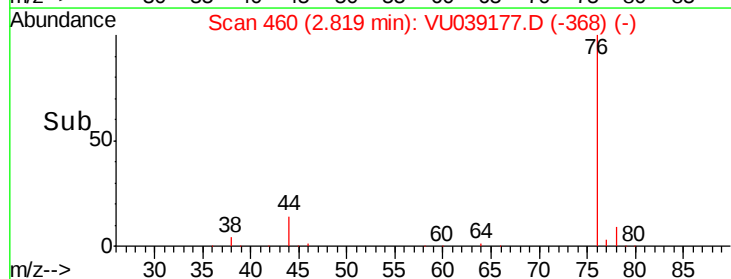
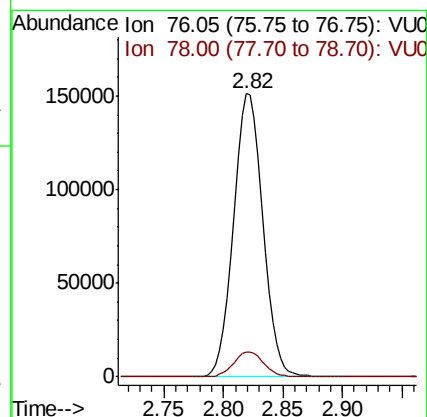
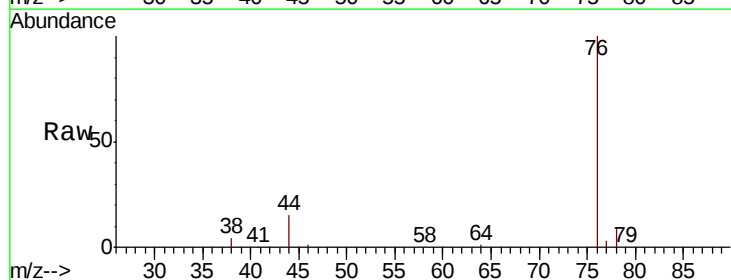
Acq: 26 Jun 2020 20:49

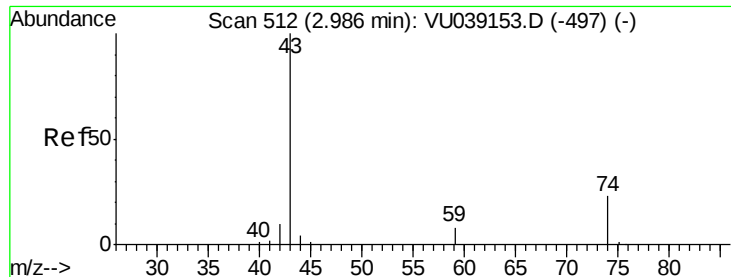
Tgt Ion: 76 Resp: 259255

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.6

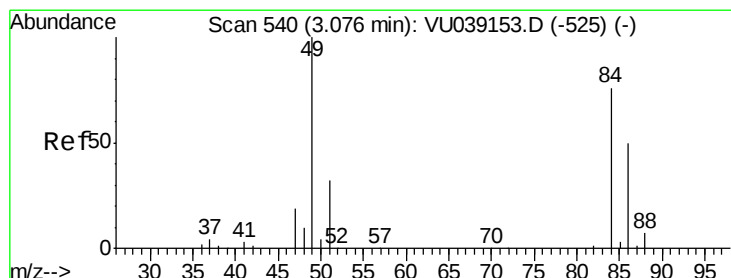
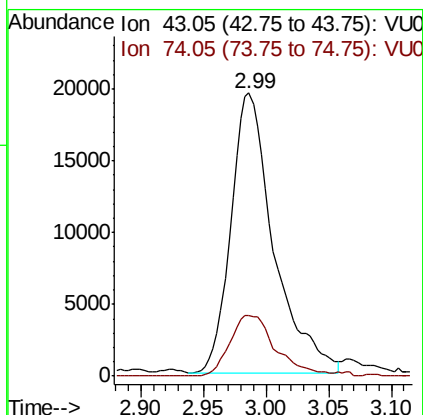
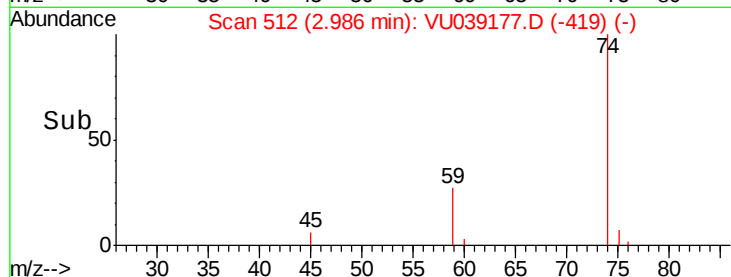
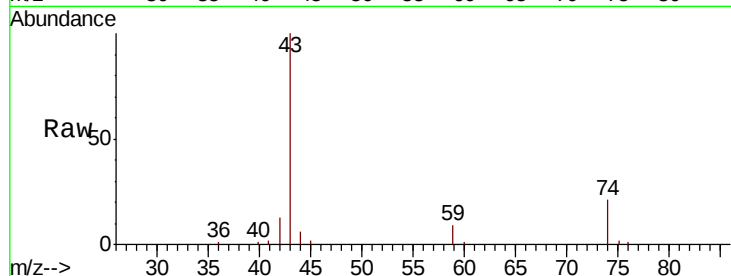




#15
Methvl Acetate
Concen: 4.177 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

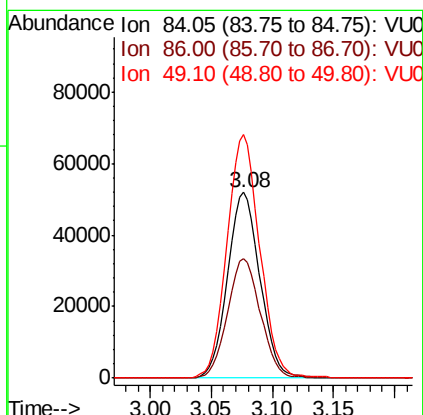
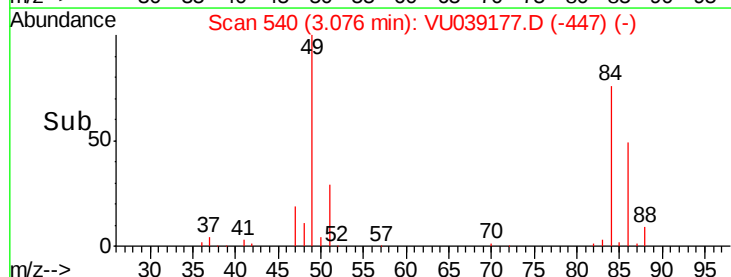
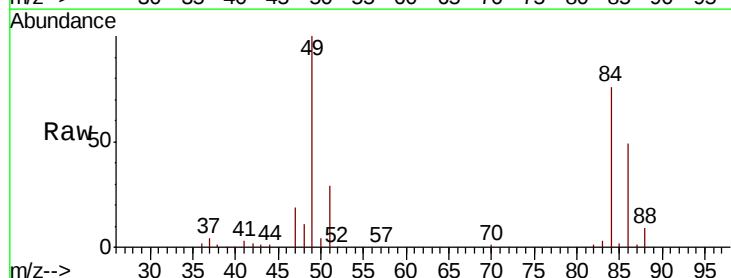
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

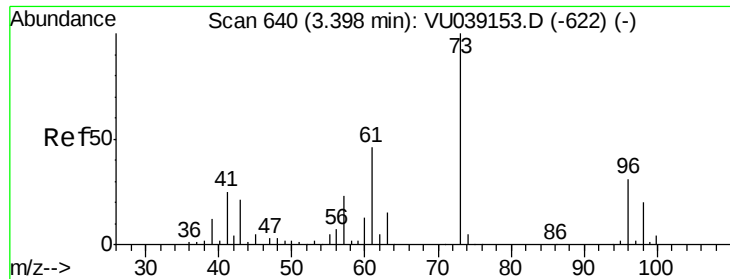
Tot Ion: 43 Resp: 46471
Ion Ratio Lower Upper
43 100
74 23.3 17.0 25.4



#16
Methylene chloride
Concen: 4.327 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion: 84 Resp: 96538
Ion Ratio Lower Upper
84 100
86 64.6 44.1 81.9
49 131.1 93.1 172.9

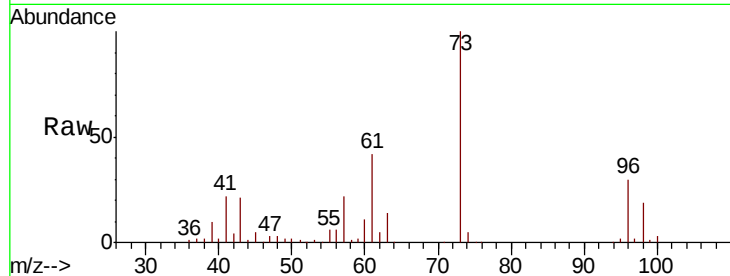




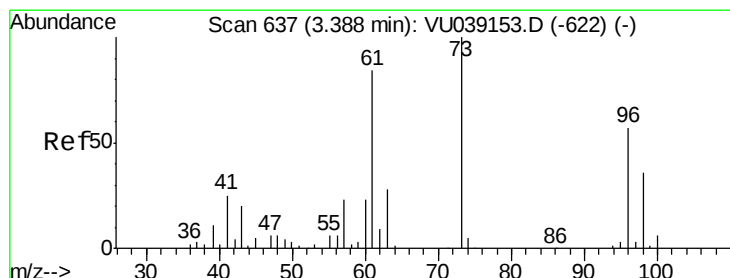
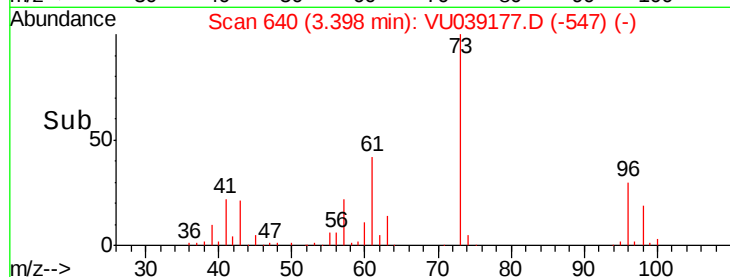
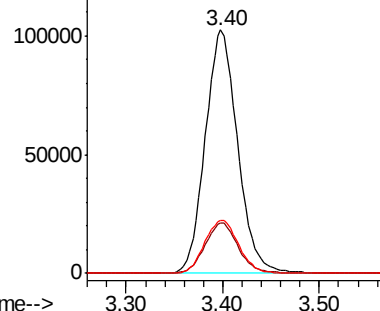
#17
Methvl tert-butvl Ether
Concen: 4.633 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 73 Resp: 238486
Ion Ratio Lower Upper
73 100
43 21.4 16.6 24.8
57 22.9 18.2 27.4

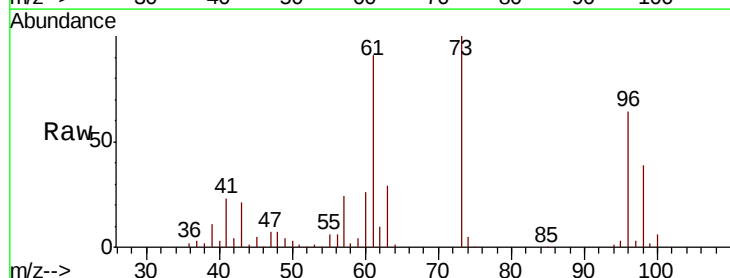


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

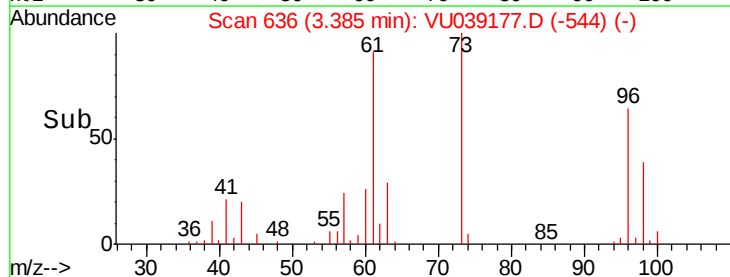
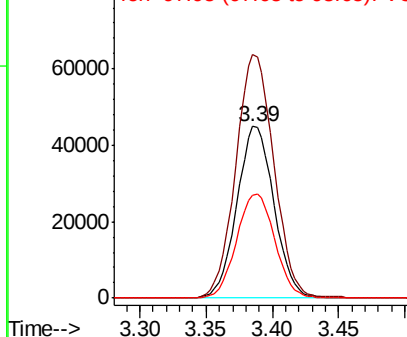


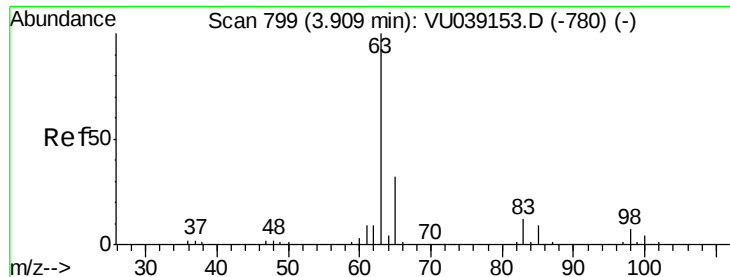
#18
trans-1,2-Dichloroethene
Concen: 4.532 ug/L
RT: 3.39 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion: 96 Resp: 87691
Ion Ratio Lower Upper
96 100
61 142.1 103.5 192.3
98 60.3 44.9 83.5



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





#19

1,1-Dichloroethane

Concen: 4.553 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

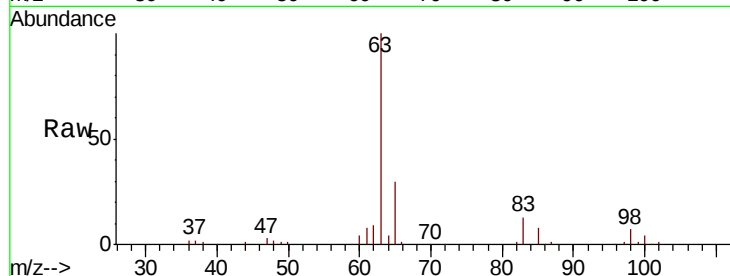
Tot Ion: 63 Resp: 175112

Ion Ratio Lower Upper

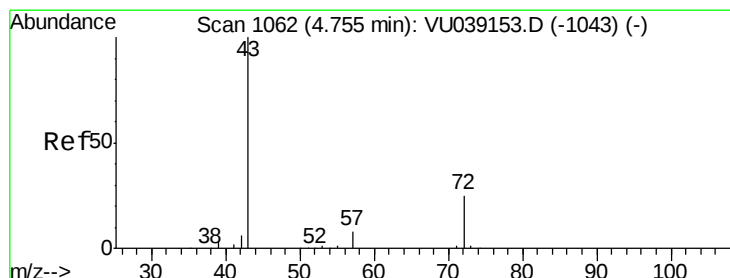
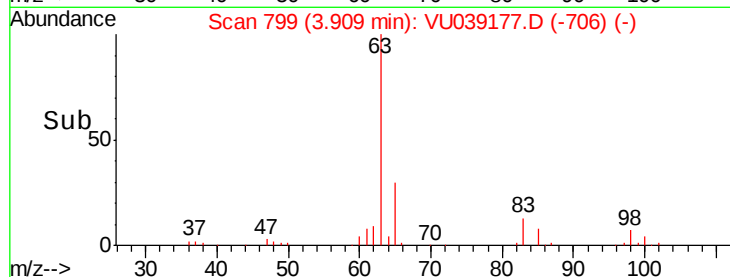
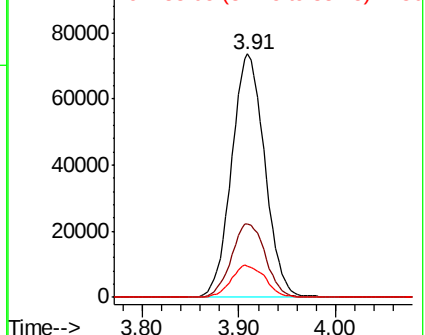
63 100

65 30.3 22.1 41.1

83 13.0 9.3 17.3



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



#21

2-Butanone

Concen: 46.083 ug/L

RT: 4.75 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VU039177.D

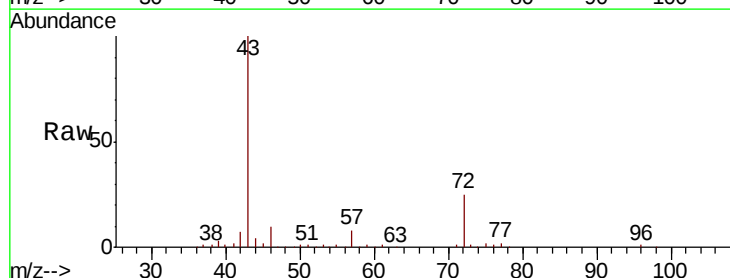
Acq: 26 Jun 2020 20:49

Tgt Ion: 43 Resp: 328306

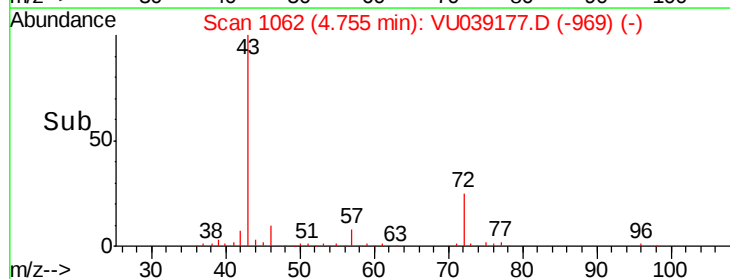
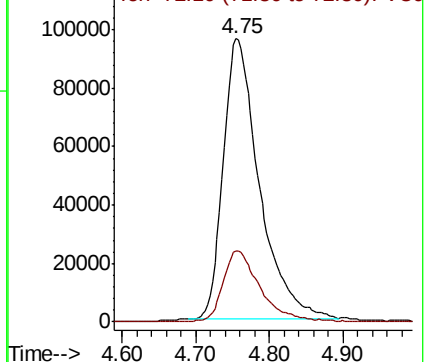
Ion Ratio Lower Upper

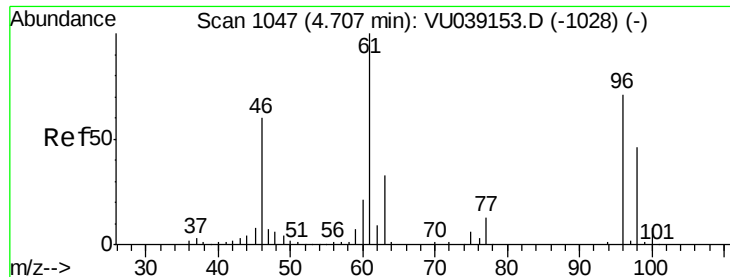
43 100

72 25.8 13.1 39.3



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





#22

cis-1,2-Dichloroethene

Concen: 4.575 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

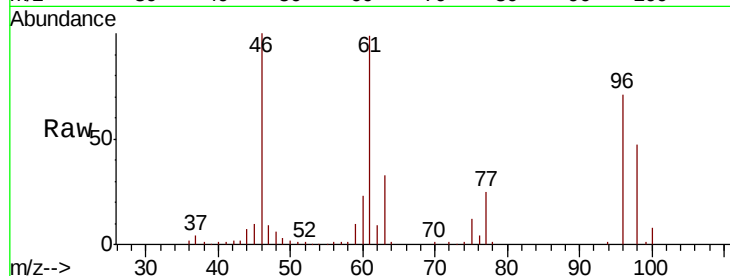
Tot Ion: 96 Resp: 95533

Ion Ratio Lower Upper

96 100

61 137.9 100.8 187.2

68 0.0 0.0 0.0

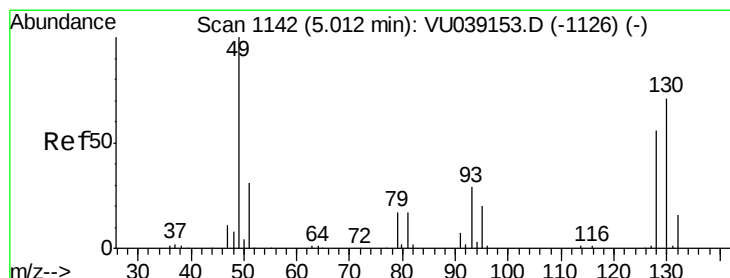
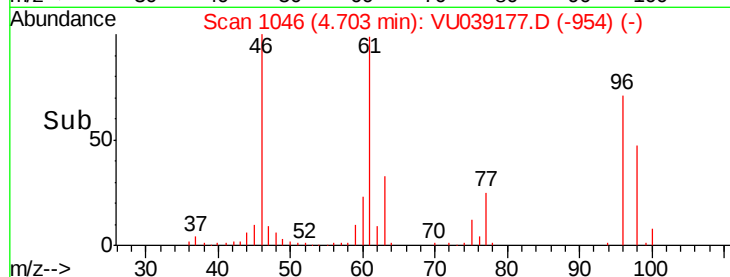
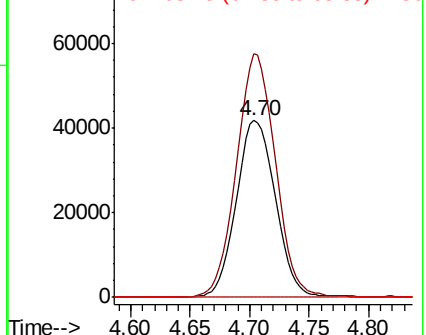


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 4.613 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Tgt Ion:128 Resp: 44330

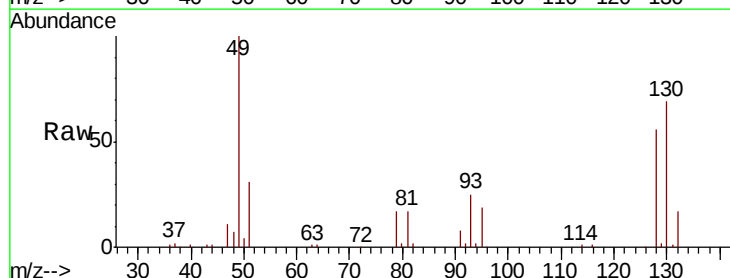
Ion Ratio Lower Upper

128 100

49 179.6 127.3 236.5

130 124.3 84.4 156.7

51 55.9 47.5 71.3



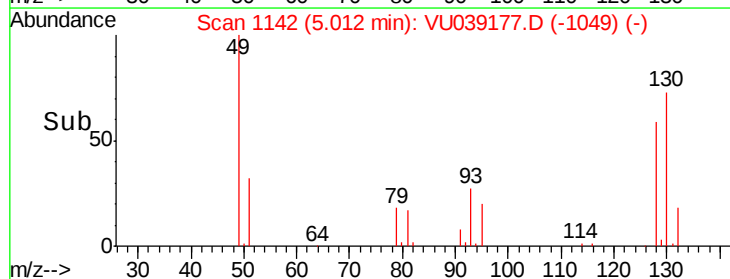
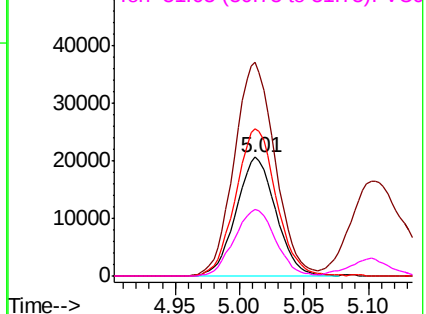
Abundance

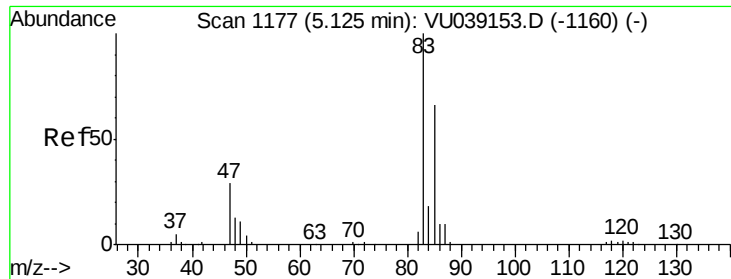
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

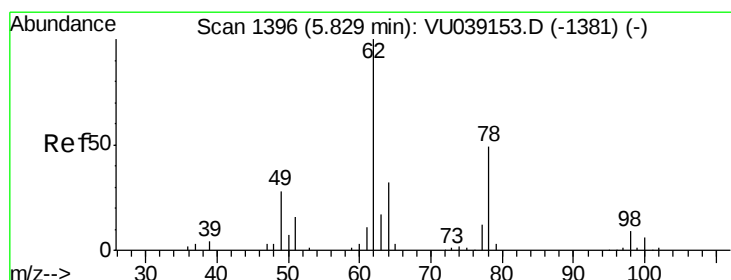
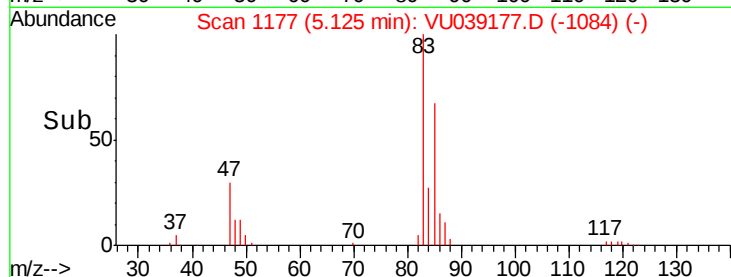
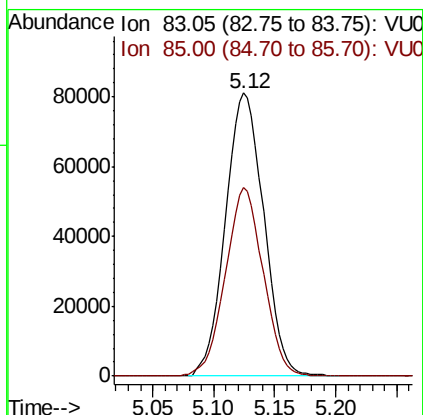
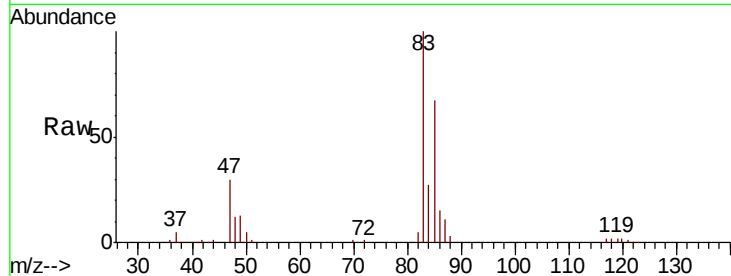




#25
Chloroform
Concen: 4.592 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

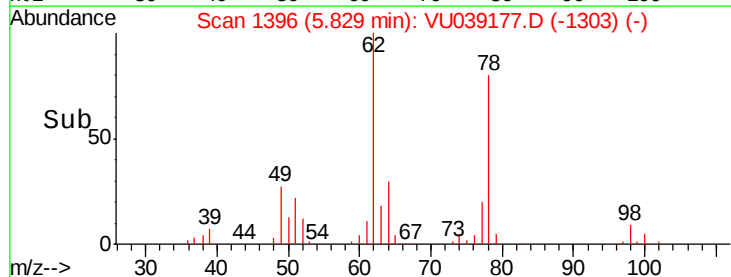
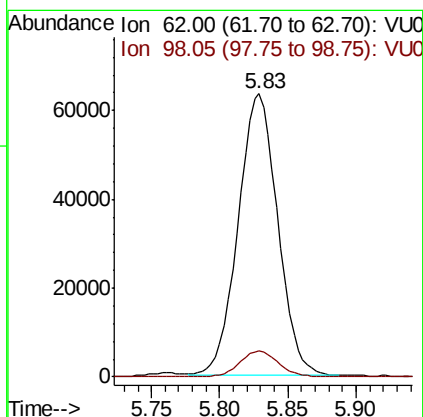
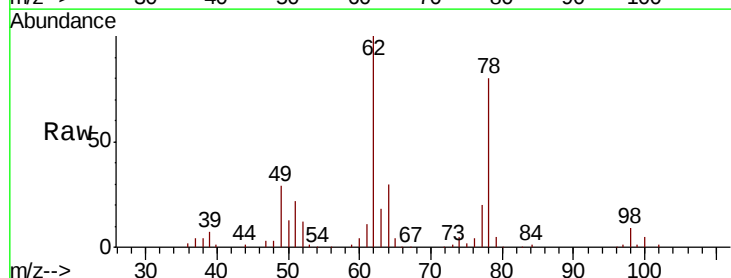
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

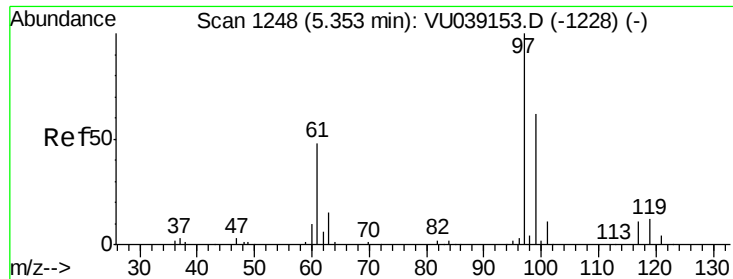
Tot Ion: 83 Resp: 177449
Ion Ratio Lower Upper
83 100
85 66.8 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.638 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion: 62 Resp: 127712
Ion Ratio Lower Upper
62 100
98 9.1 7.7 11.5

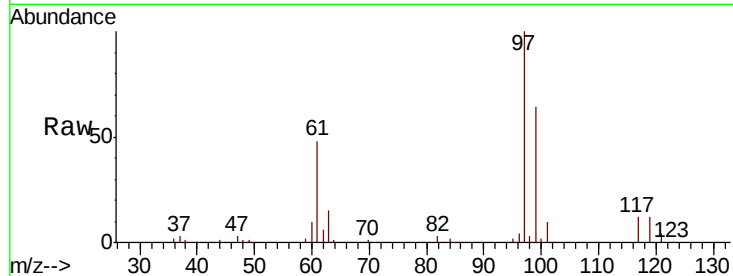




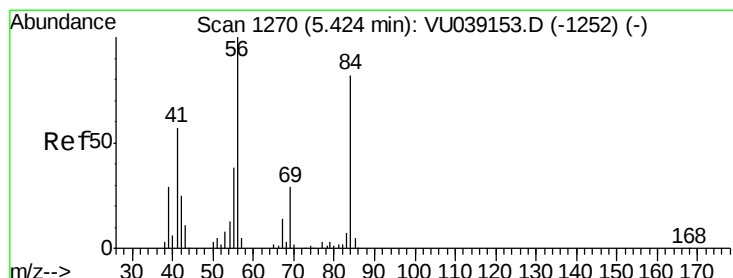
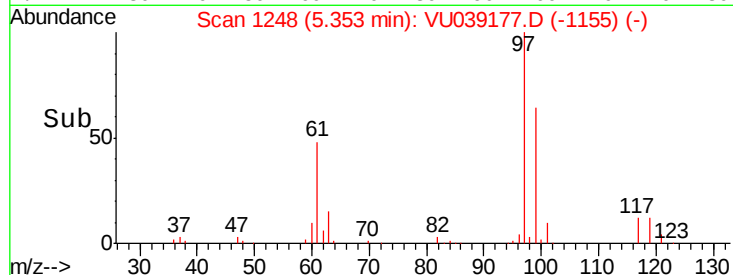
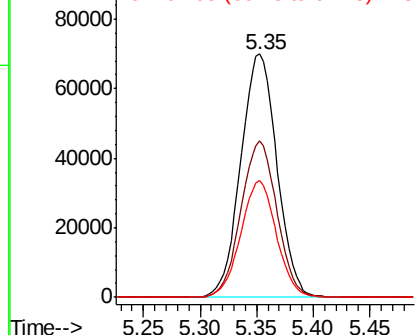
#29
 1,1,1-Trichloroethane
 Concen: 4.881 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.3	75.5
61	47.2	37.8	56.6

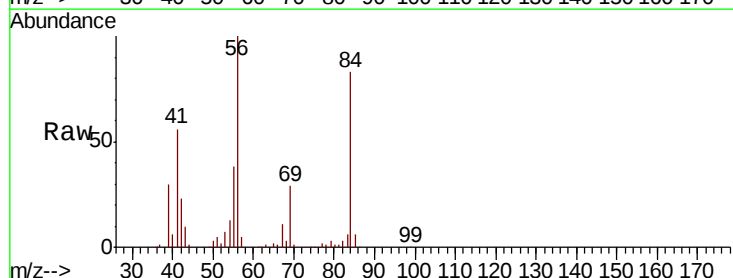


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

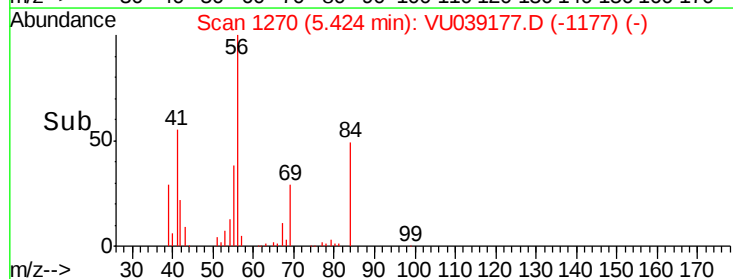
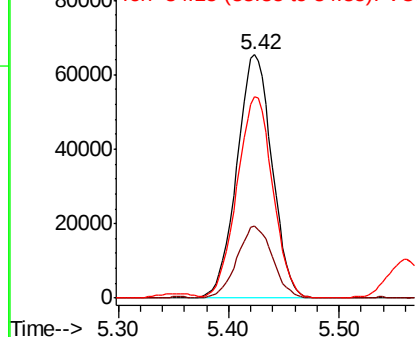


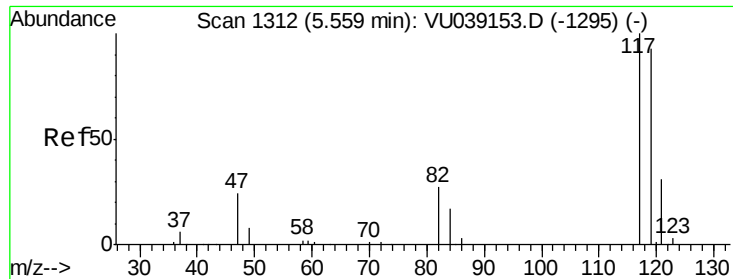
#30
 Cyclohexane
 Concen: 4.857 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	84.4	67.1	100.7



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: 4.833 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

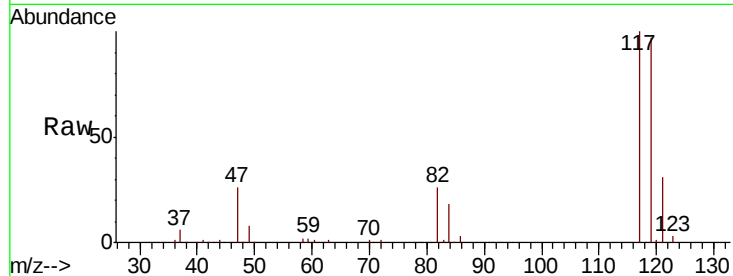
VSTD00520

Tot Ion:117 Resp: 128513

Ion Ratio Lower Upper

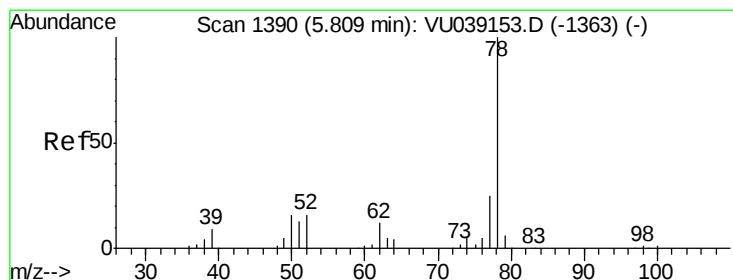
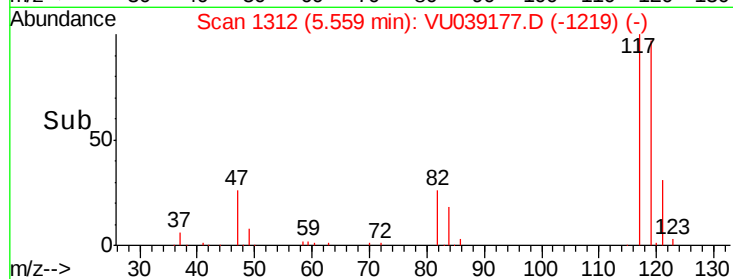
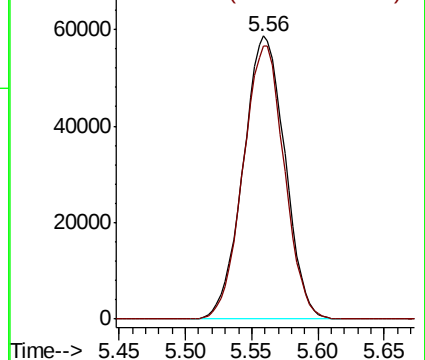
117 100

119 95.3 75.7 113.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.683 ug/L

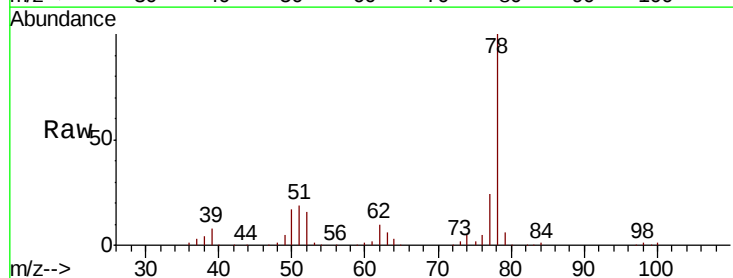
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

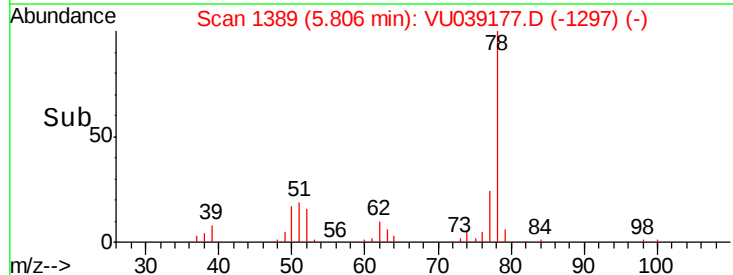
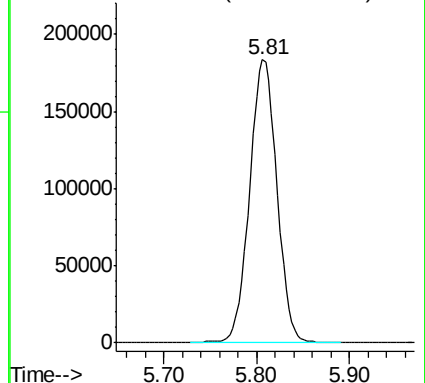
Lab File: VU039177.D

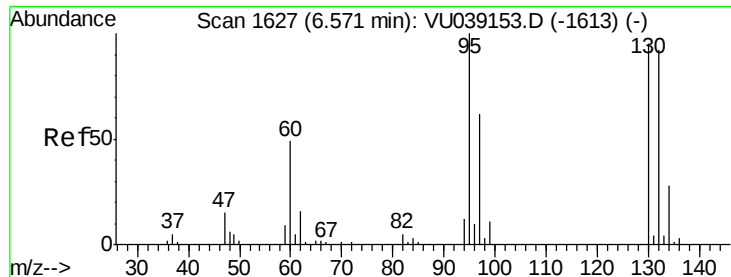
Acq: 26 Jun 2020 20:49

Tgt Ion: 78 Resp: 376427



Abundance Ion 78.10 (77.80 to 78.80): VU0

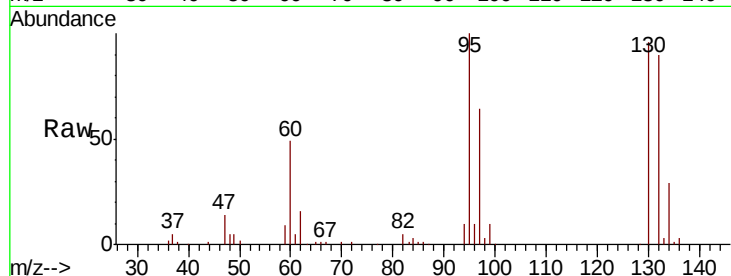




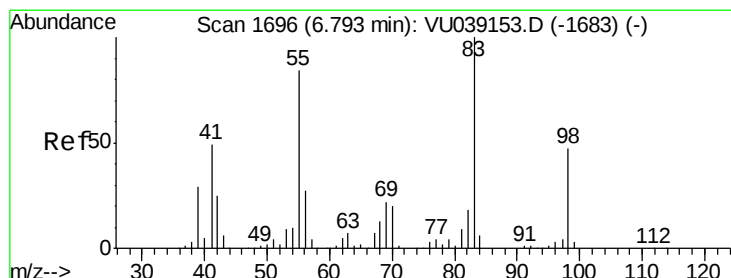
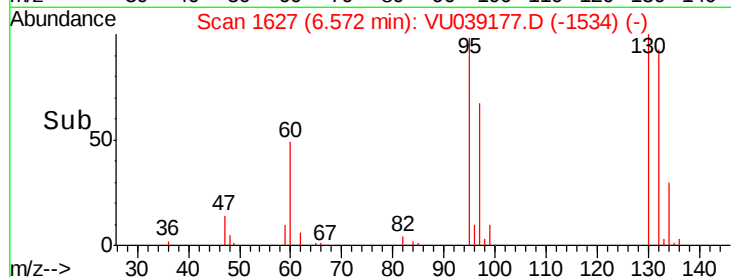
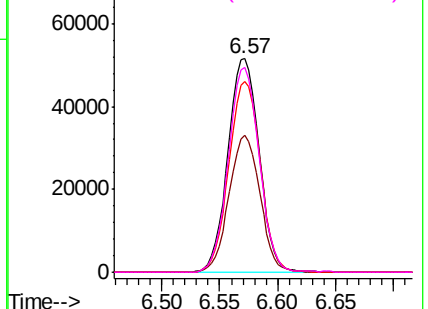
#34
 Trichloroethene
 Concen: 4.966 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 95 Resp: 96557
 Ion Ratio Lower Upper
 95 100
 97 64.2 45.1 83.7
 132 89.5 65.1 120.9
 130 95.8 68.6 127.4

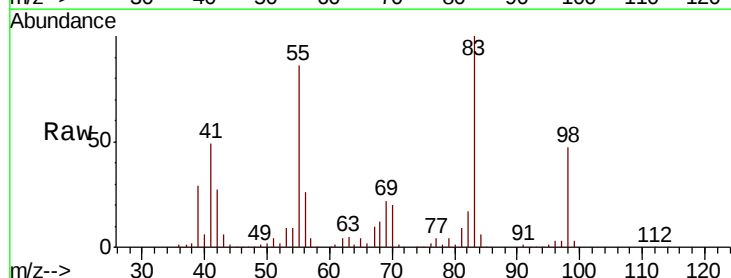


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

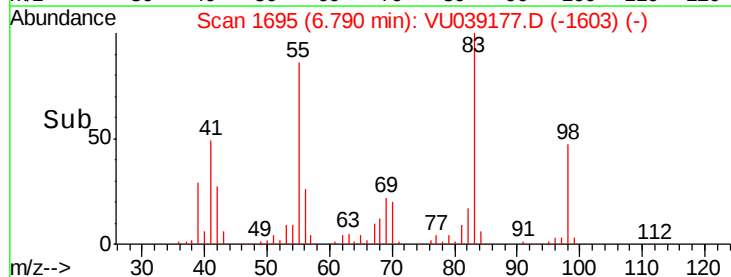
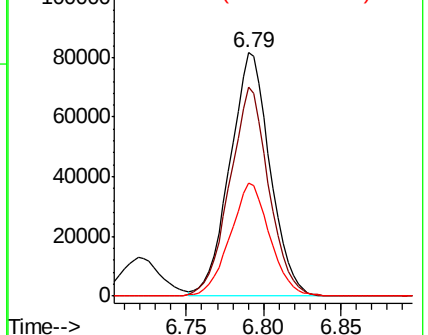


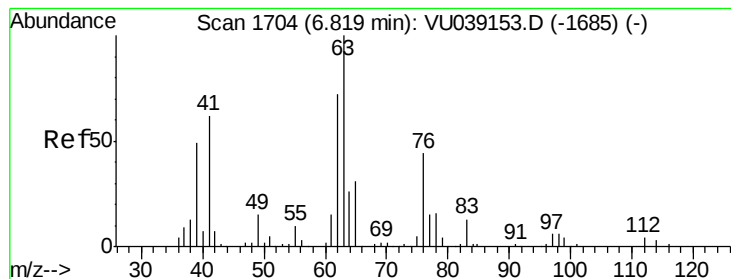
#35
 Methylcyclohexane
 Concen: 5.085 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion: 83 Resp: 146711
 Ion Ratio Lower Upper
 83 100
 55 83.6 65.5 98.3
 98 46.1 36.5 54.7



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 4.560 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

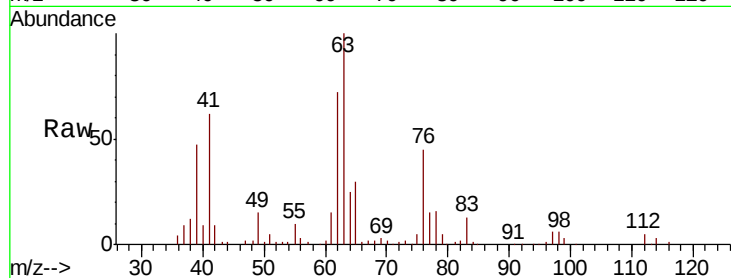
VSTD00520

Tot Ion: 63 Resp: 99317

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039153.D (-1685) (-)

Ion 112.10 (111.80 to 112.80): VU039153.D (-1685) (-)

60000

50000

40000

30000

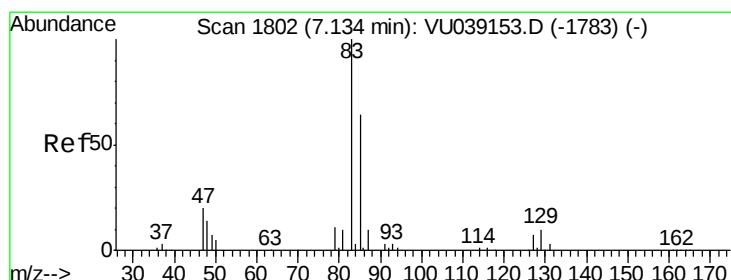
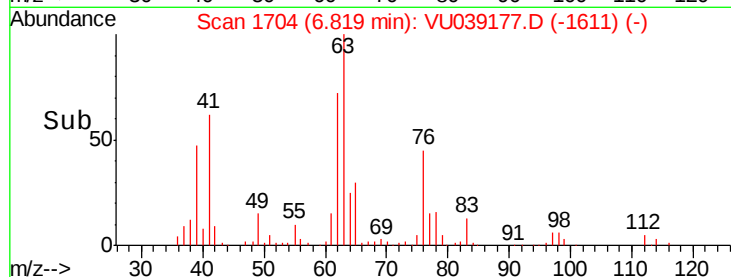
20000

10000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 4.768 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

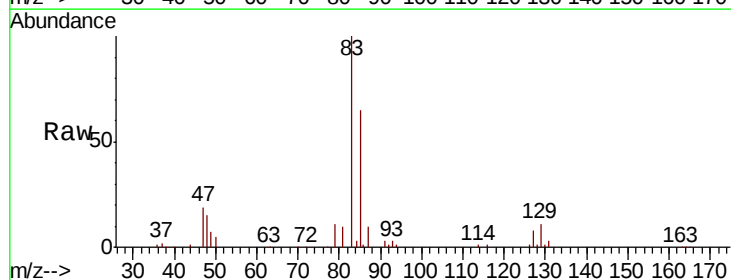
Tgt Ion: 83 Resp: 129453

Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.3

127 8.3 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VU039153.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039153.D (-1783) (-)

Ion 126.90 (126.60 to 127.60): VU039153.D (-1783) (-)

80000

60000

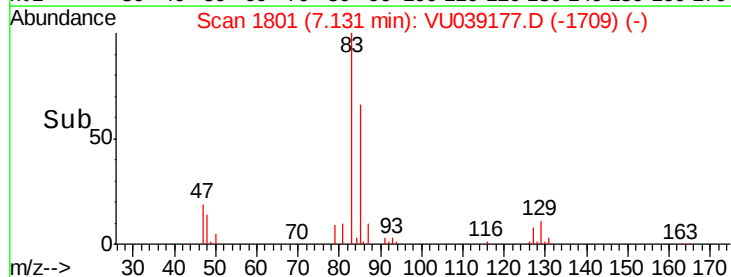
40000

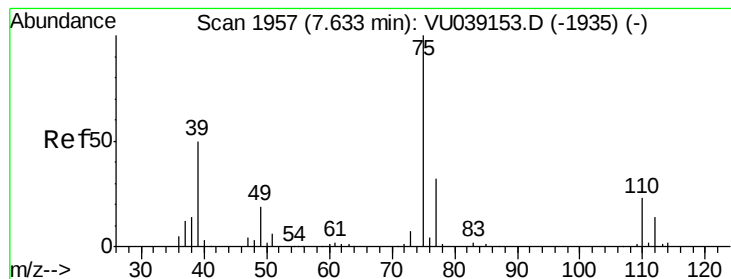
20000

0

7.05 7.10 7.15 7.20

Time-->



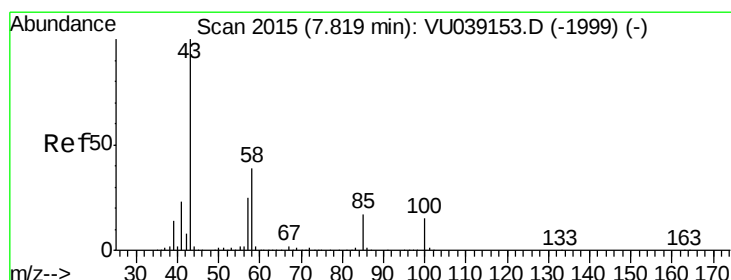
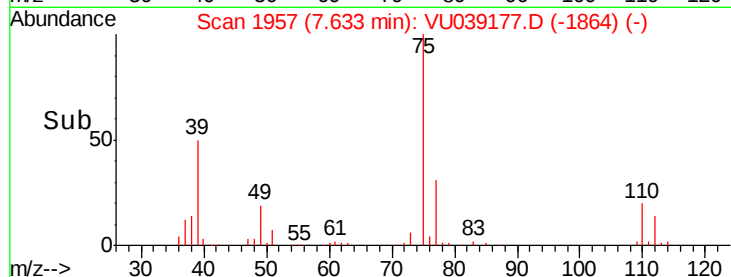
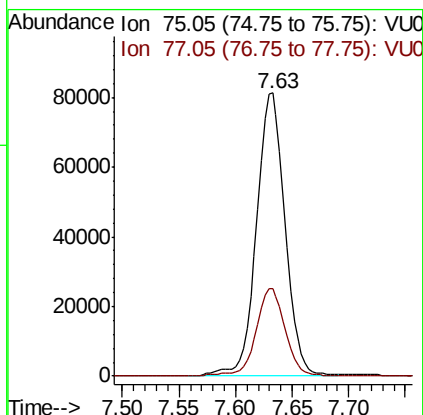
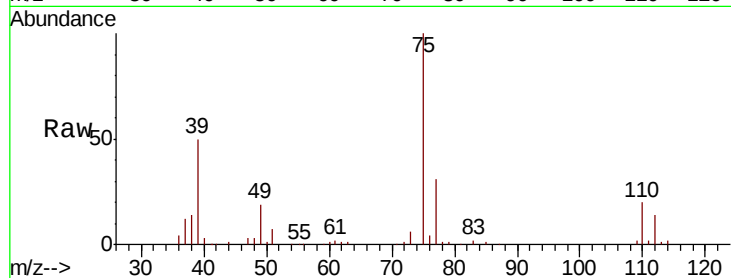


#39

cis-1,3-Dichloropropene
 Concen: 4.745 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

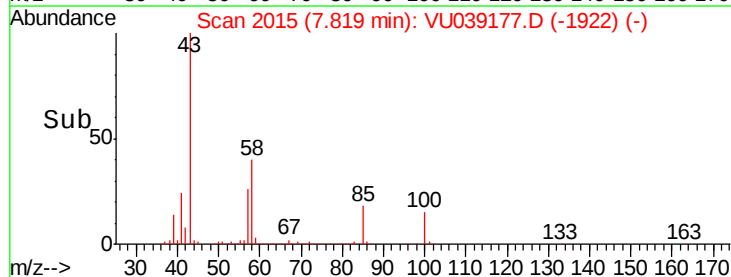
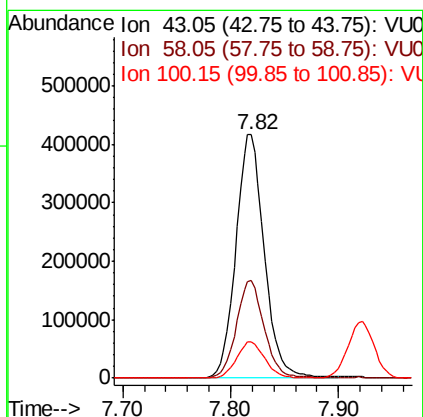
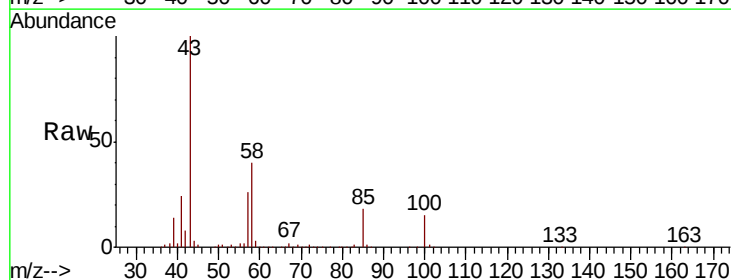
Tot Ion: 75 Resp: 143233
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0

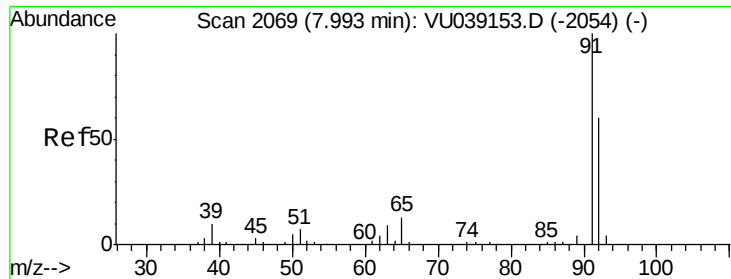


#40

4-Methyl-2-pentanone
 Concen: 47.063 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion: 43 Resp: 765014
 Ion Ratio Lower Upper
 43 100
 58 39.3 31.3 46.9
 100 14.9 11.6 17.4





#42

Toluene

Concen: 4.886 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

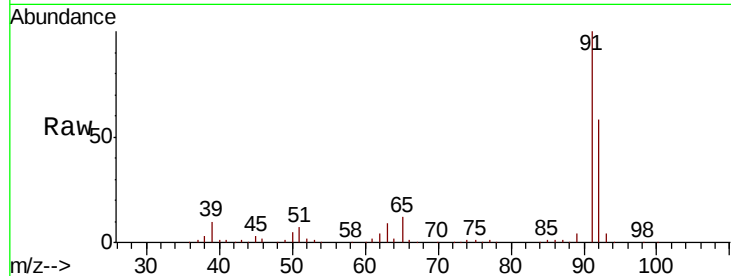
VSTD00520

Tot Ion: 91 Resp: 389851

Ion Ratio Lower Upper

91 100

92 58.4 42.1 78.1



Abundance Ion 91.15 (90.85 to 91.85): VU039153.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU039153.D (-2054) (-)

7.99

250000

200000

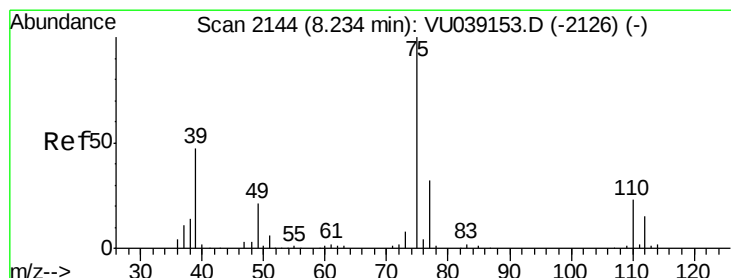
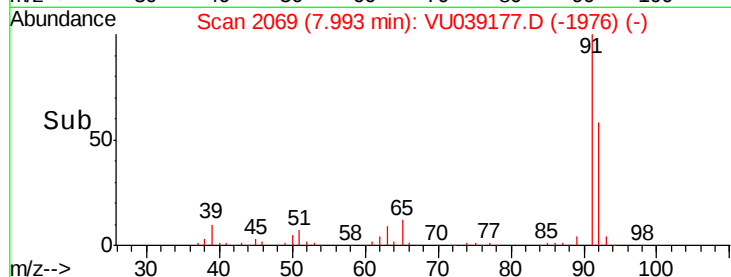
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.767 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039177.D

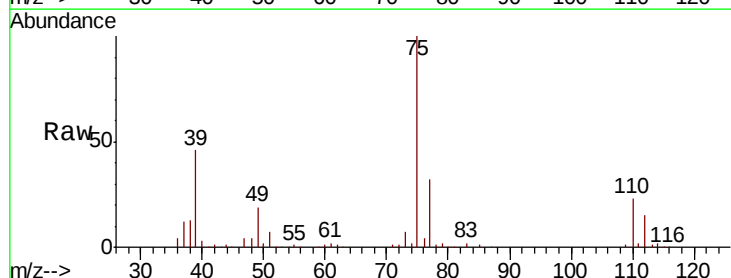
Acq: 26 Jun 2020 20:49

Tgt Ion: 75 Resp: 134659

Ion Ratio Lower Upper

75 100

77 32.0 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VU039153.D (-2126) (-)

Ion 77.05 (76.75 to 77.75): VU039153.D (-2126) (-)

8.23

80000

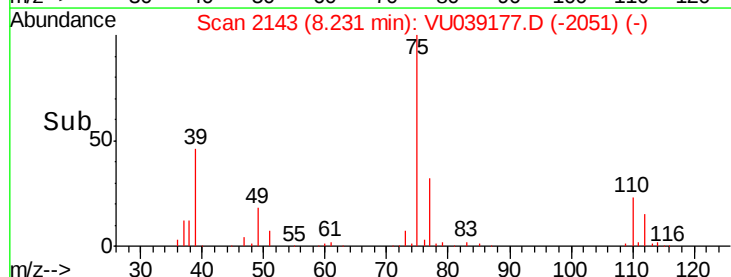
60000

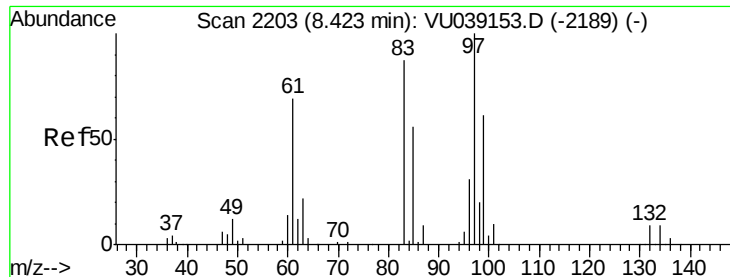
40000

20000

0

Time-->

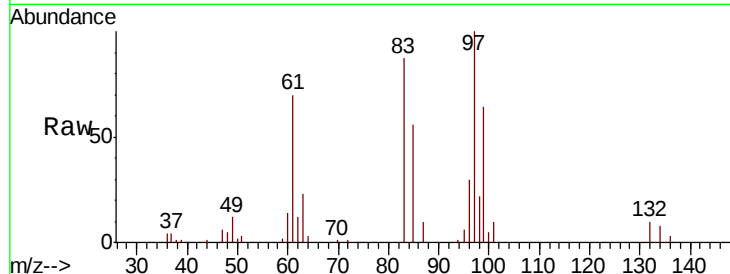




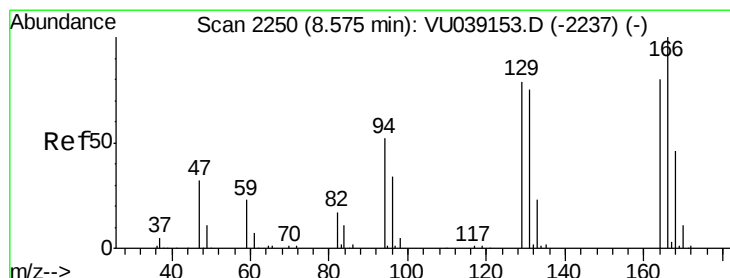
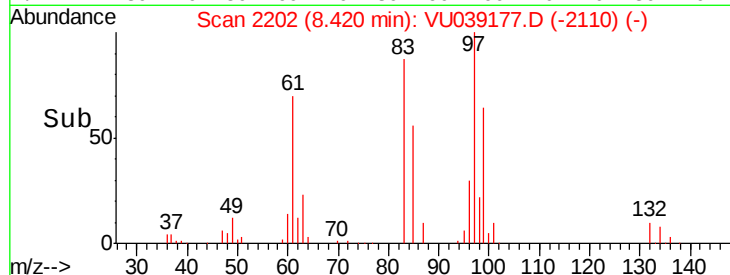
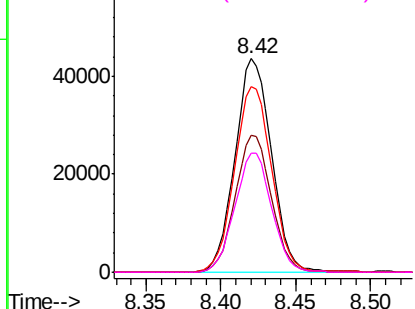
#45
1,1,2-Trichloroethane
Concen: 4.574 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:	97	Resp:	74031
Ion	Ratio	Lower	Upper
97	100		
99	64.3	45.4	84.4
83	86.8	64.4	119.6
85	56.0	41.7	77.5

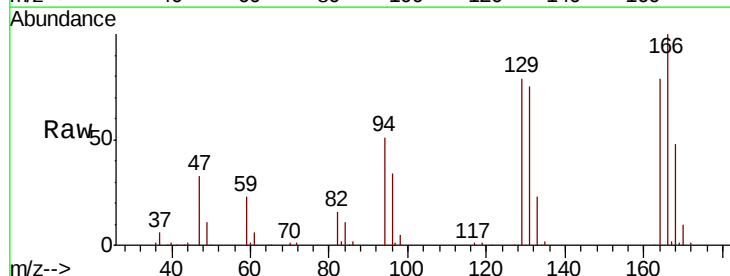


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

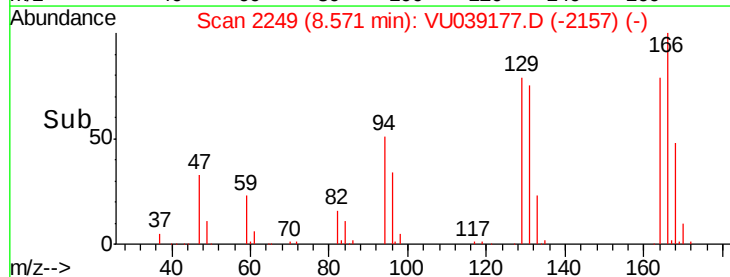
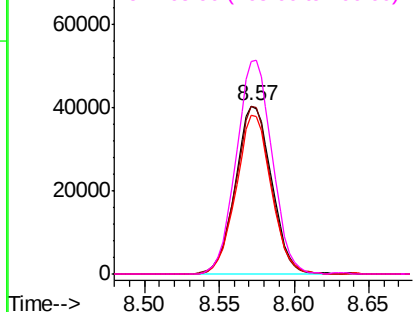


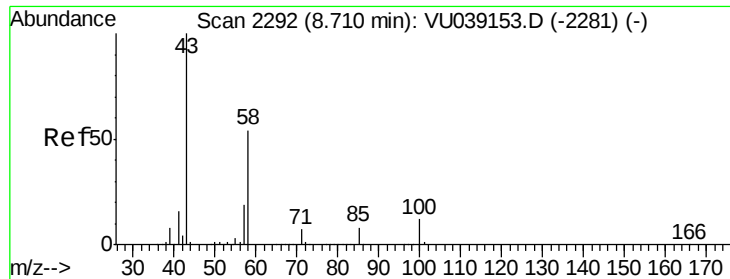
#47
Tetrachloroethene
Concen: 4.865 ug/L
RT: 8.57 min Scan# 2249
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion:	164	Resp:	68180
Ion	Ratio	Lower	Upper
164	100		
129	99.6	71.3	132.5
131	94.3	68.3	126.8
166	126.5	90.8	168.6



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

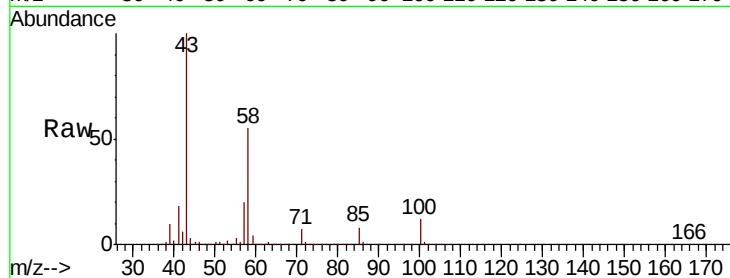




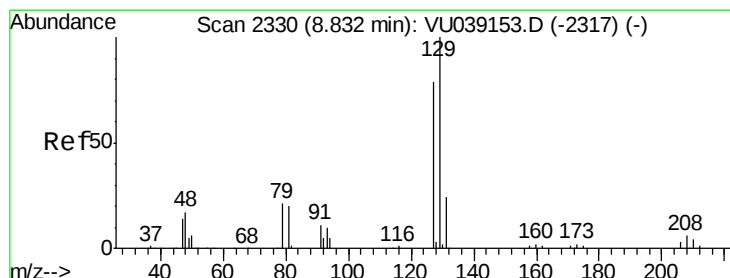
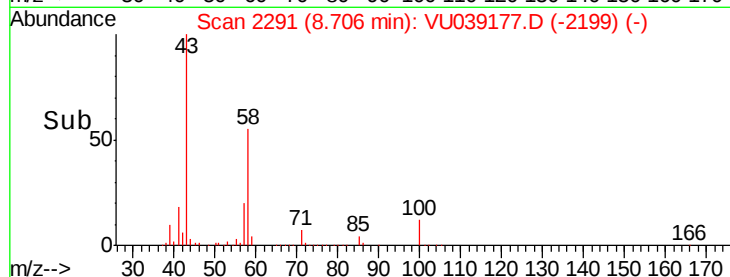
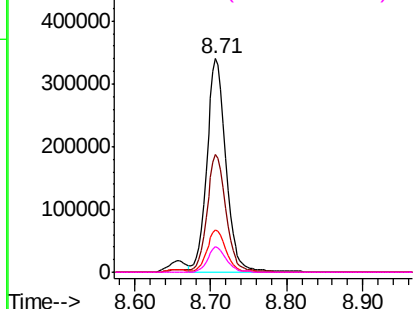
#48
2-Hexanone
Concen: 49.885 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 43 Resp: 594463
Ion Ratio Lower Upper
43 100
58 55.0 44.0 66.0
57 19.7 15.0 22.6
100 11.6 9.4 14.2

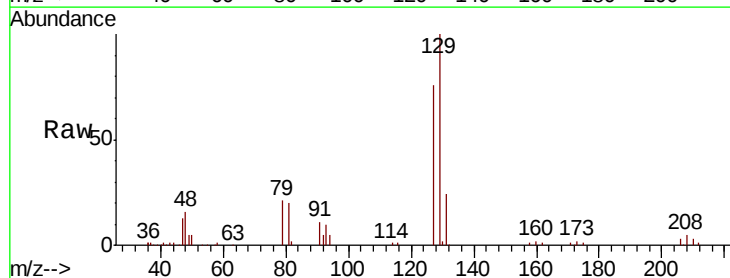


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

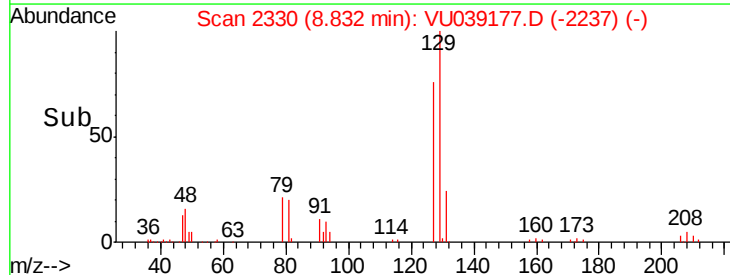
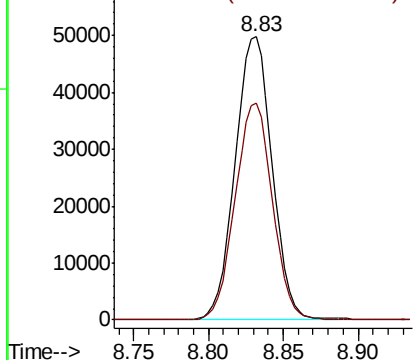


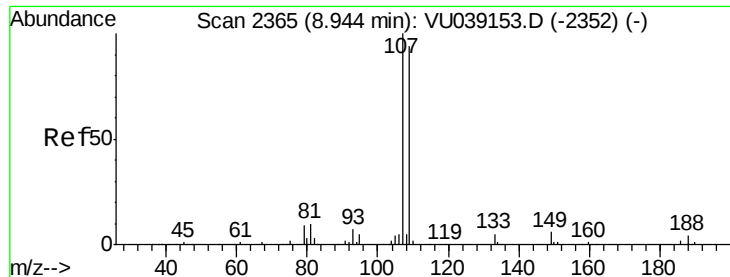
#49
Dibromochloromethane
Concen: 4.867 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion: 129 Resp: 85657
Ion Ratio Lower Upper
129 100
127 76.4 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

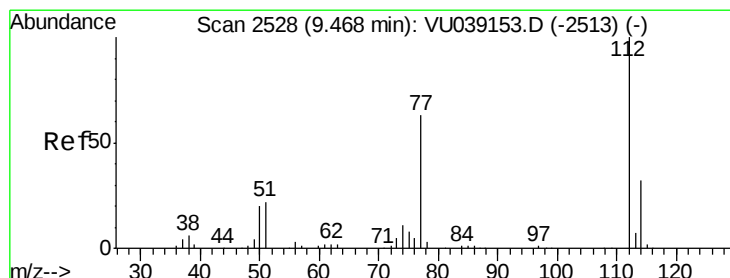
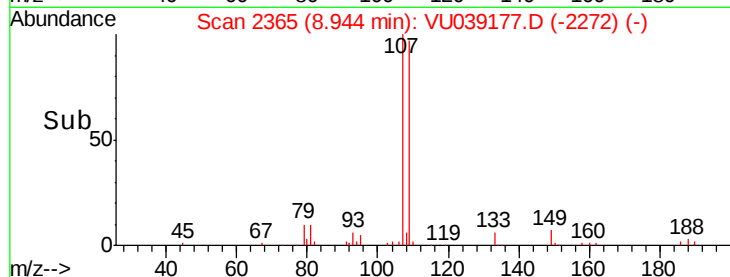
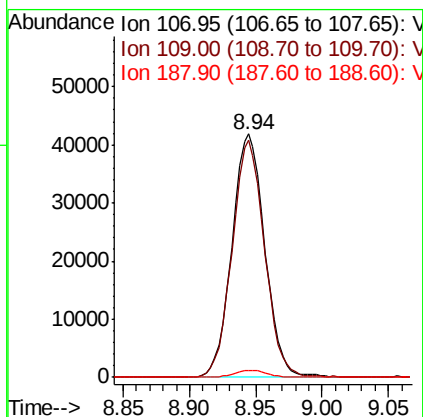
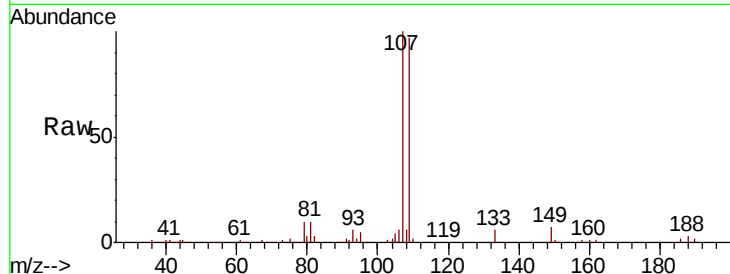




#50
1,2-Dibromoethane
Concen: 4.717 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

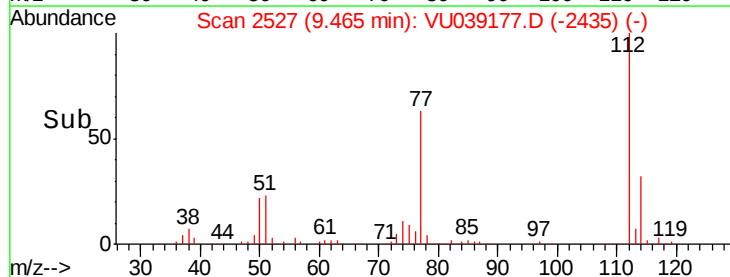
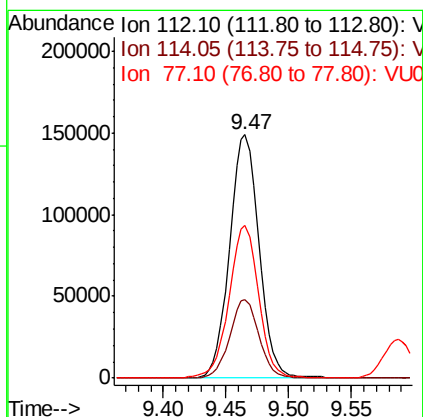
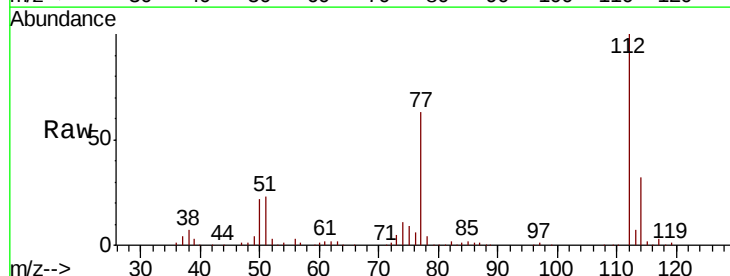
Instrument :
MSVOA_U
ClientSampled :
VSTD00520

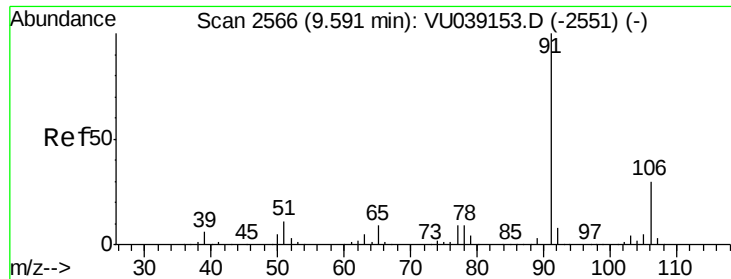
Tot Ion:107 Resp: 72183
Ion Ratio Lower Upper
107 100
109 97.4 64.8 120.4
188 2.9 2.4 3.6



#51
Chlorobenzene
Concen: 4.841 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion:112 Resp: 243148
Ion Ratio Lower Upper
112 100
114 32.4 22.0 41.0
77 62.8 50.2 75.4





#52

Ethylbenzene

Concen: 4.894 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

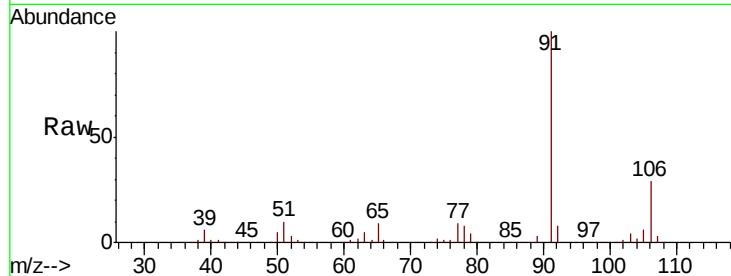
VSTD00520

Tot Ion: 91 Resp: 410447

Ion Ratio Lower Upper

91 100

106 29.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VU039153.D (-2551) (-)

Ion 106.15 (105.85 to 106.85): VU039177.D (-2473) (-)

9.59

250000

200000

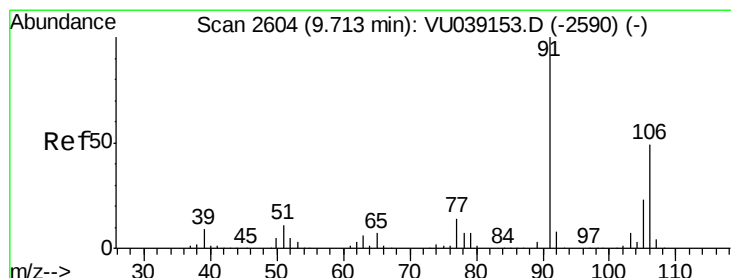
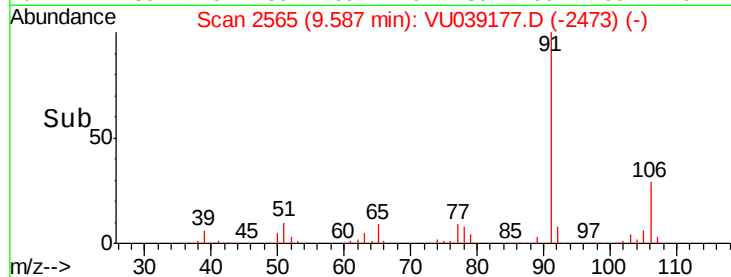
150000

100000

50000

0

Time--> 9.50 9.55 9.60 9.65



#53

m,p-Xylene

Concen: 5.106 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039177.D

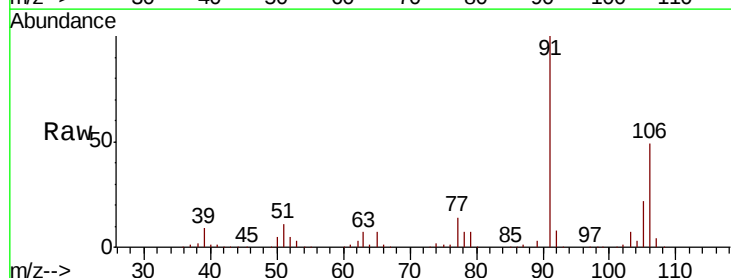
Acq: 26 Jun 2020 20:49

Tgt Ion: 106 Resp: 157478

Ion Ratio Lower Upper

106 100

91 203.1 143.6 266.8



Abundance Ion 106.15 (105.85 to 106.85): VU039153.D (-2590) (-)

Ion 91.15 (90.85 to 91.85): VU039177.D (-2511) (-)

9.71

200000

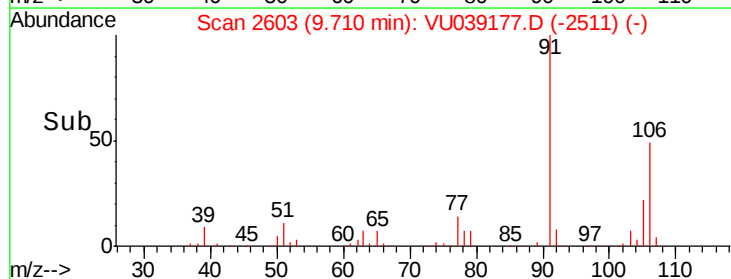
150000

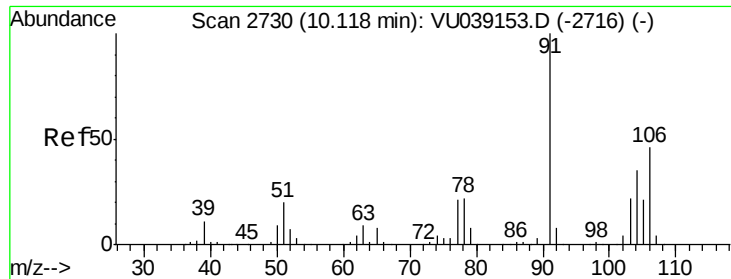
100000

50000

0

Time--> 9.65 9.70 9.75

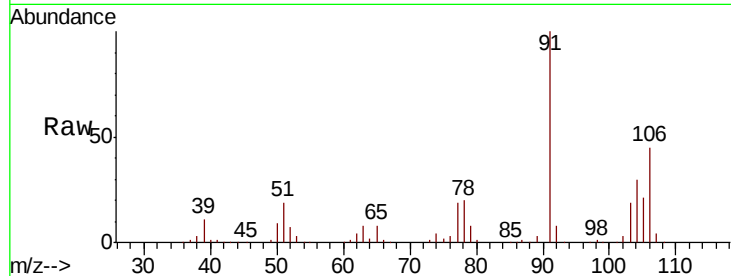




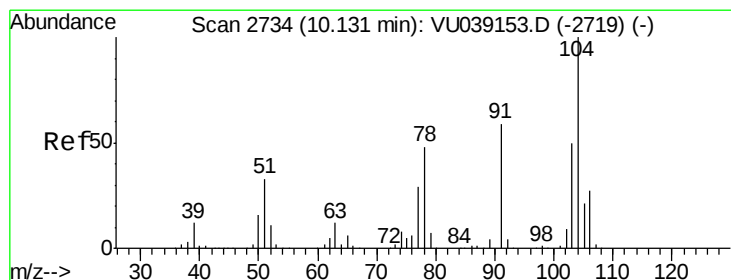
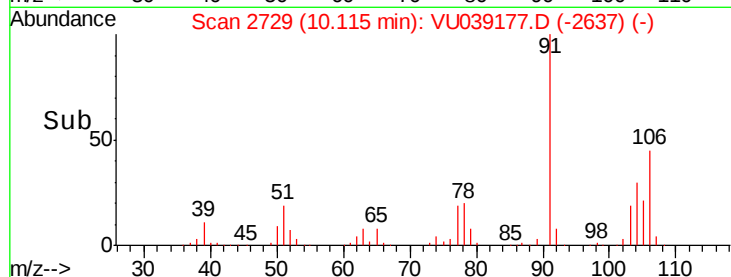
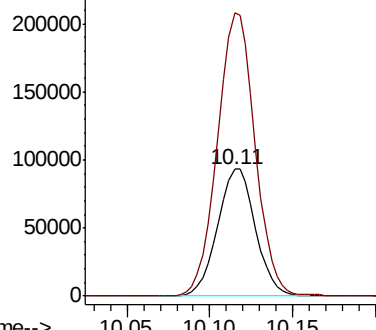
#54
o-Xylene
Concen: 5.000 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:106 Resp: 148131
Ion Ratio Lower Upper
106 100
91 222.9 153.5 285.1

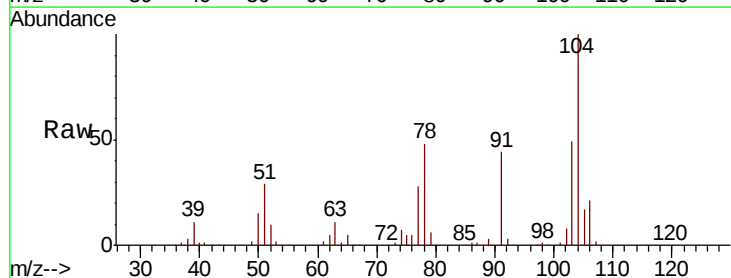


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

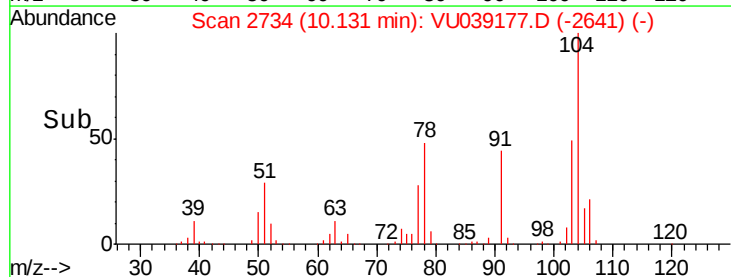
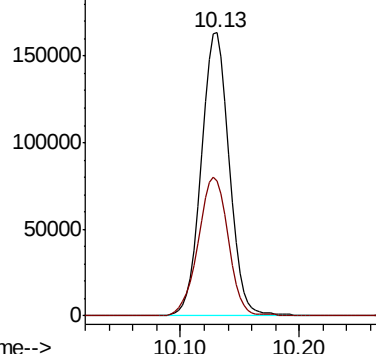


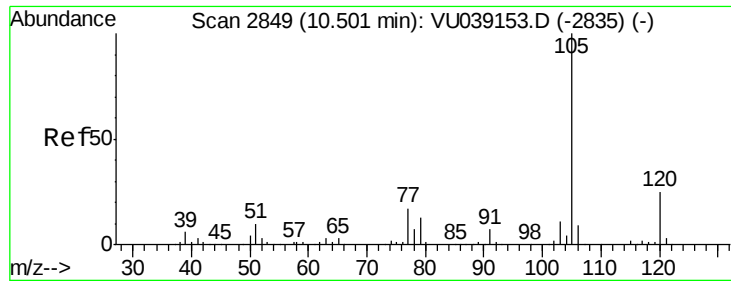
#55
Styrene
Concen: 5.125 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039177.D
Acq: 26 Jun 2020 20:49

Tgt Ion:104 Resp: 266662
Ion Ratio Lower Upper
104 100
78 47.6 33.5 62.1



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





#56

Isopropylbenzene

Concen: 5.111 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

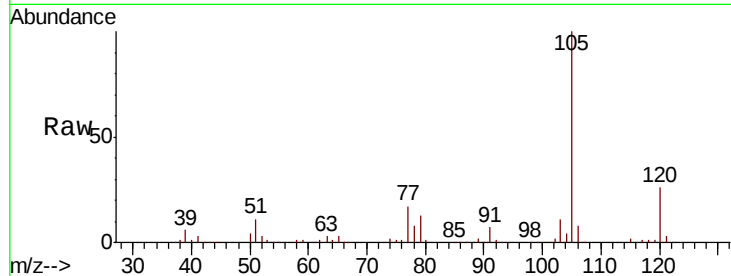
Tot Ion:105 Resp: 396791

Ion Ratio Lower Upper

105 100

120 25.3 19.9 29.9

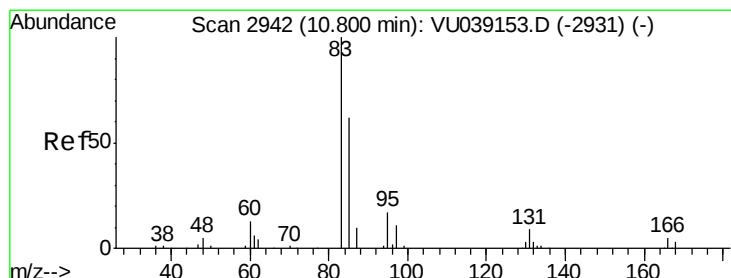
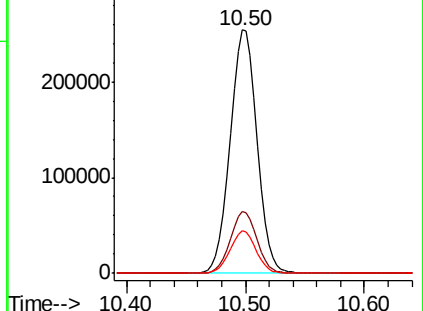
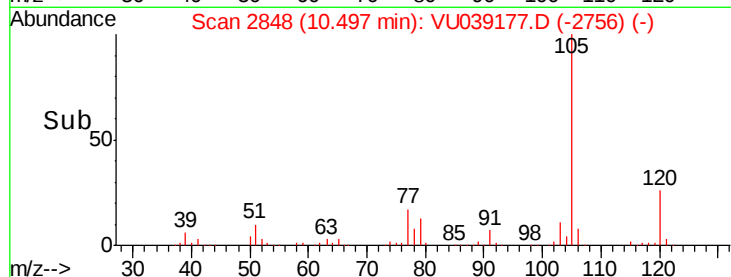
77 16.8 13.3 19.9



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: 4.434 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

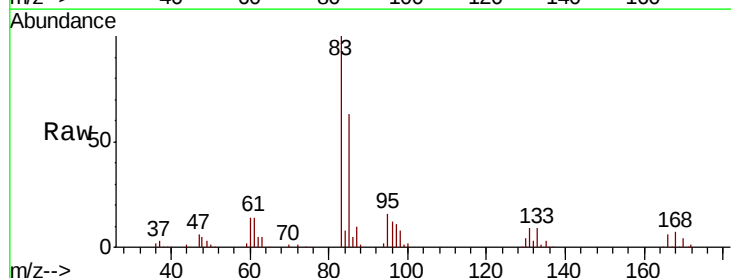
Tgt Ion: 83 Resp: 95957

Ion Ratio Lower Upper

83 100

85 62.8 45.3 84.1

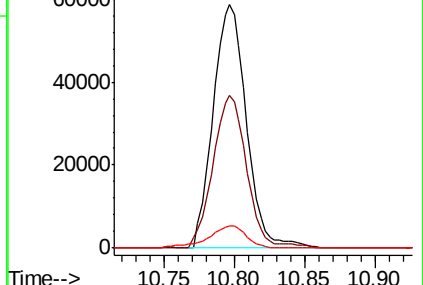
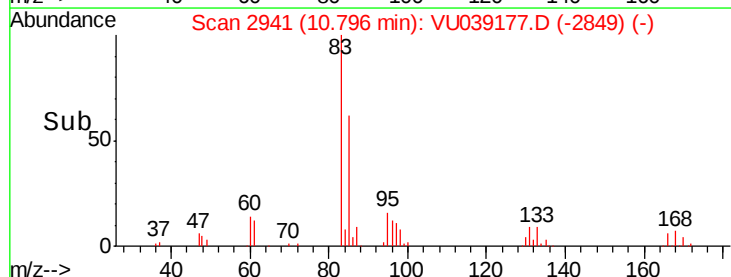
131 9.3 6.9 10.3

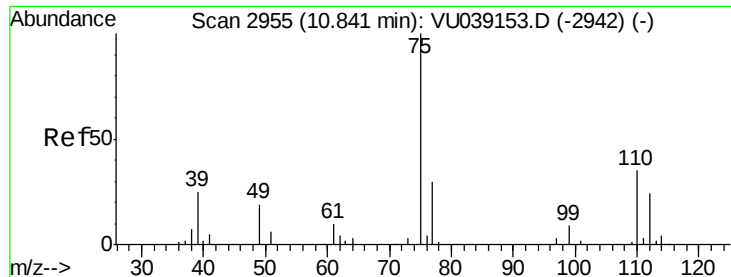


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

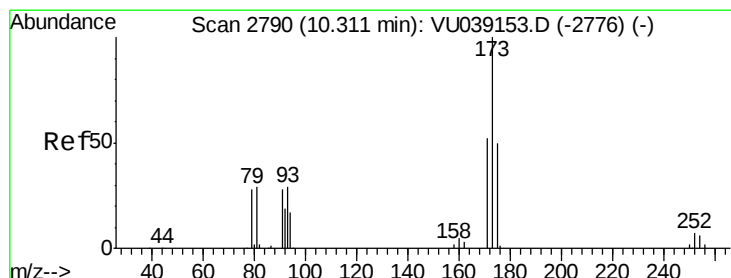
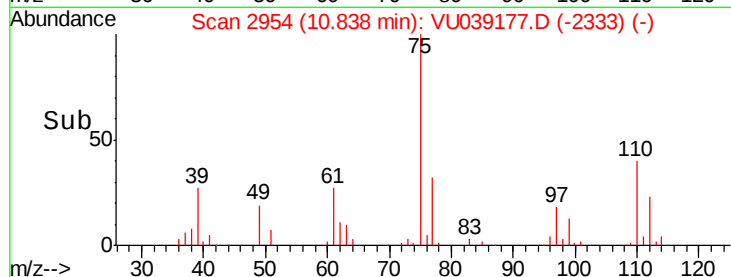
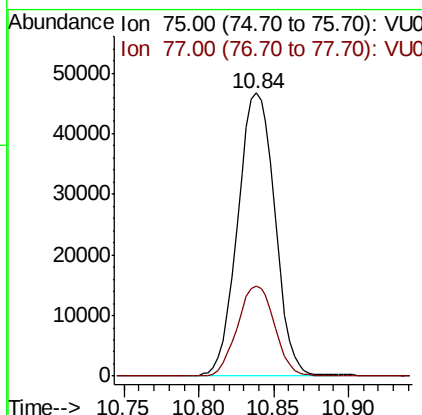
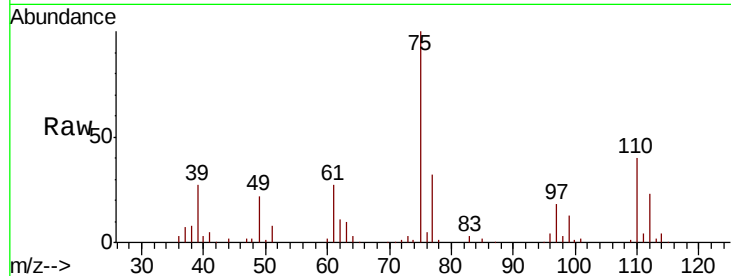




#59
 1,2,3-Trichloropropane
 Concen: 4.920 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

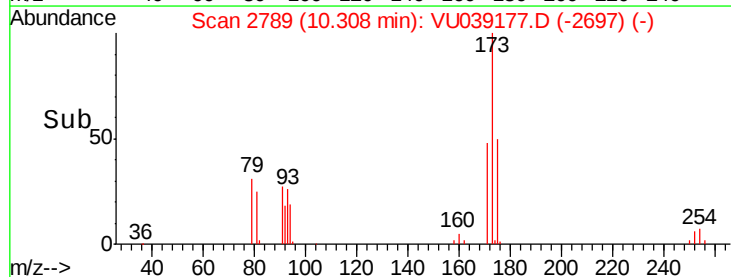
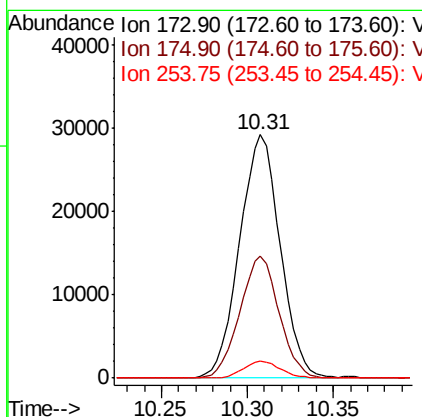
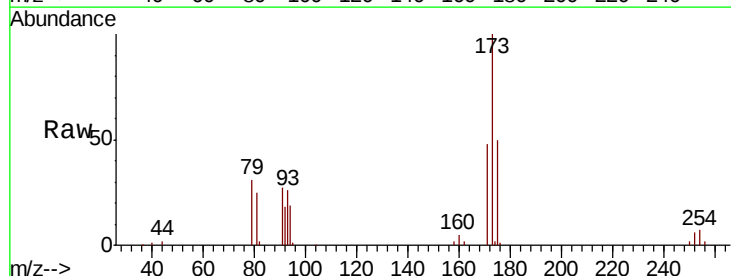
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

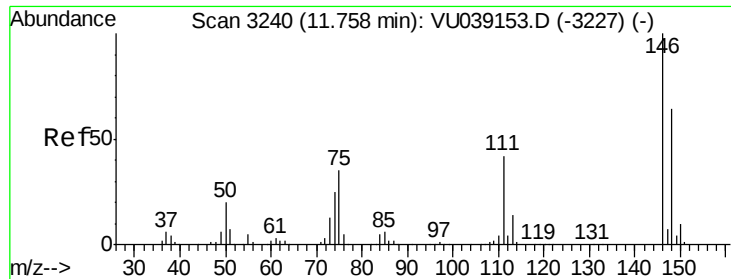
Tot Ion: 75 Resp: 80788
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#61
 Bromoform
 Concen: 4.456 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion: 173 Resp: 47993
 Ion Ratio Lower Upper
 173 100
 175 48.2 39.3 58.9
 254 6.3 4.4 6.6

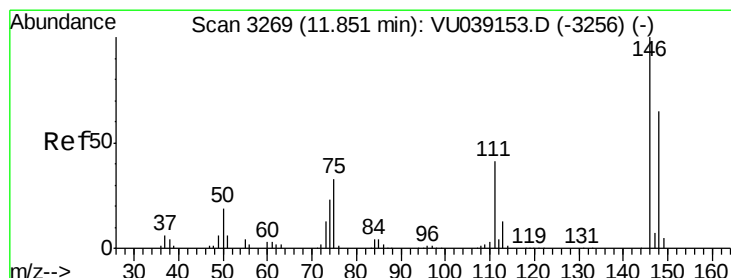
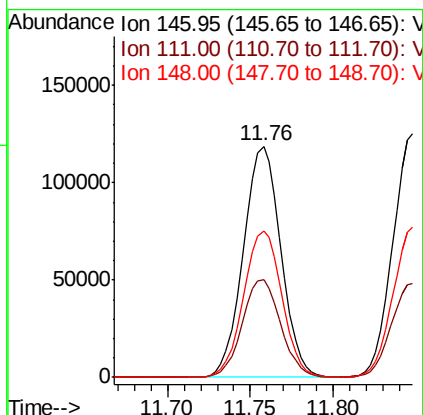
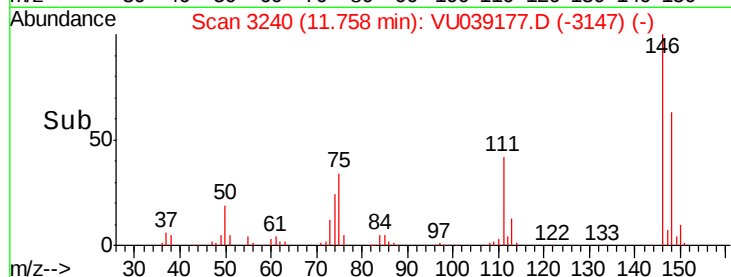
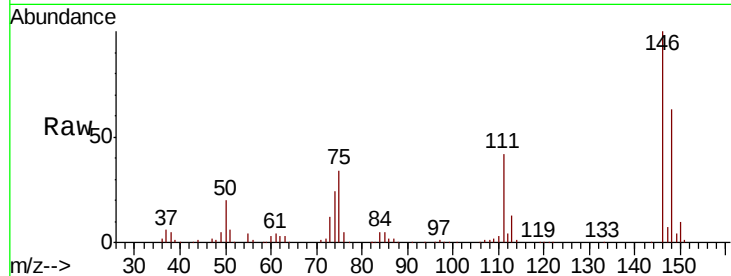




#62
 1,3-Dichlorobenzene
 Concen: 4.763 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

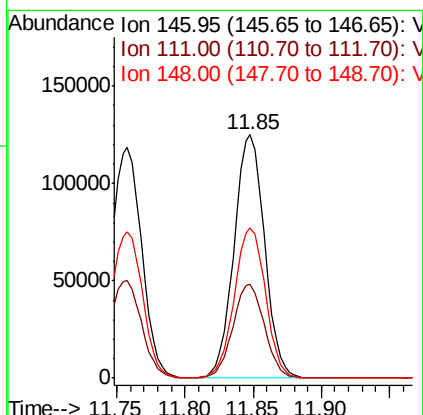
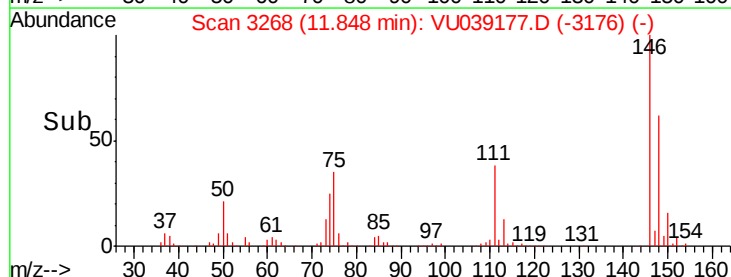
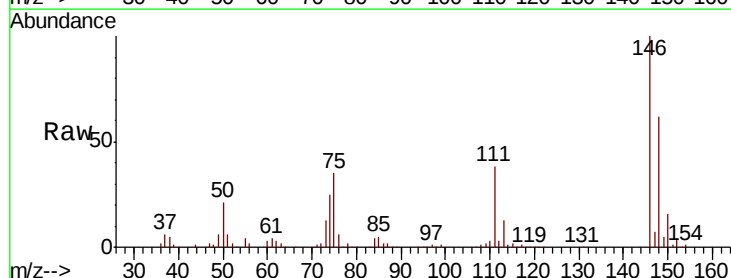
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

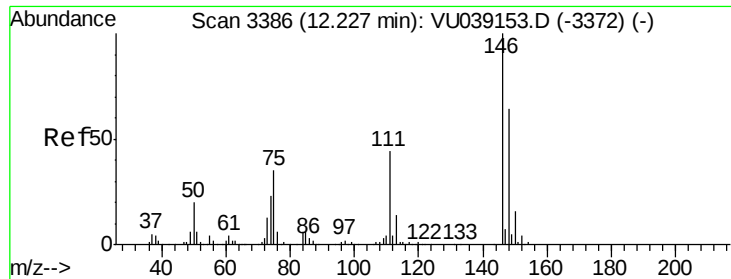
Tot Ion:146 Resp: 186753
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.5 54.9
 148 63.3 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.813 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion:146 Resp: 194347
 Ion Ratio Lower Upper
 146 100
 111 38.3 28.4 52.8
 148 61.6 43.4 80.6

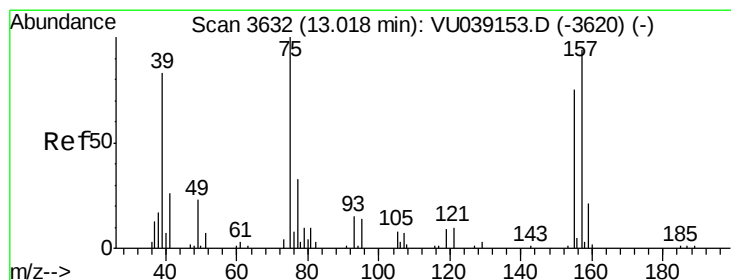
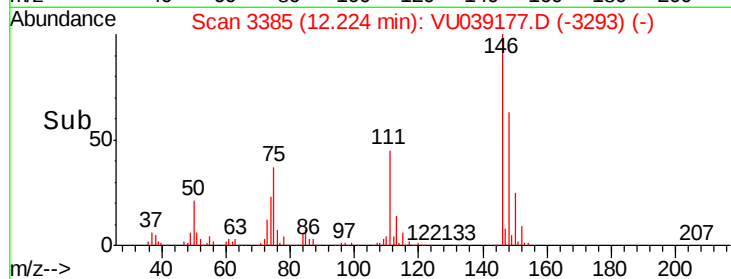
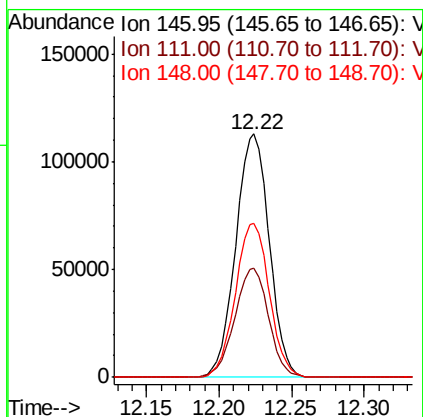
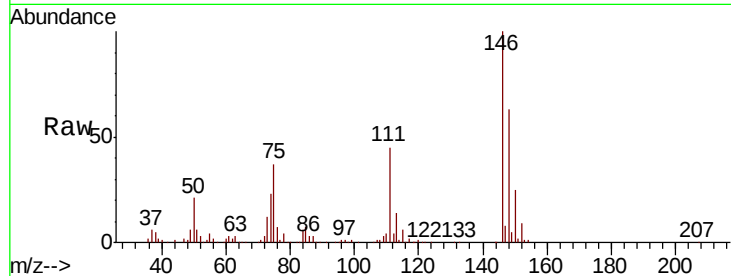




#65
 1,2-Dichlorobenzene
 Concen: 4.609 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

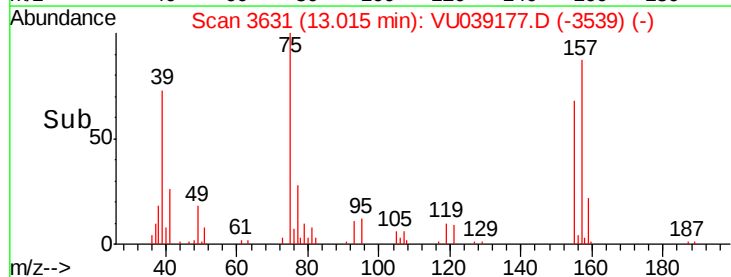
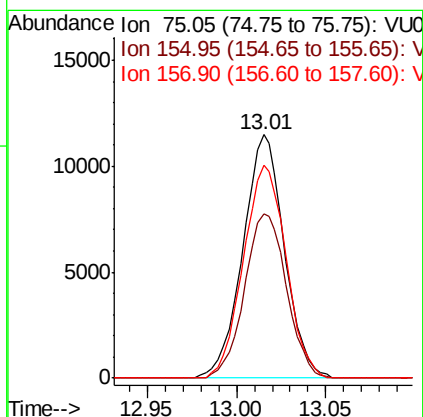
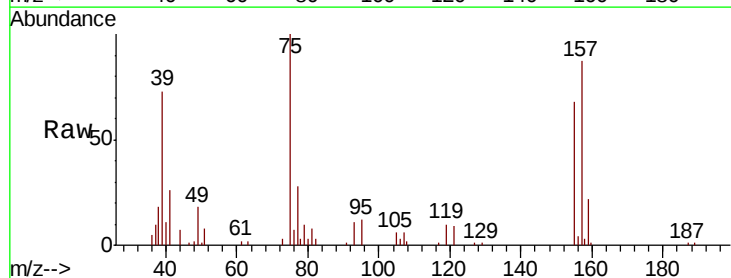
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

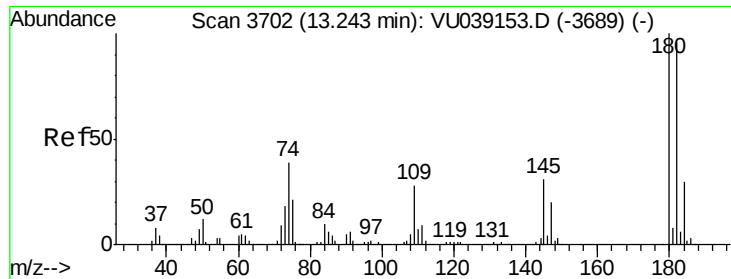
Tot Ion:146 Resp: 181181
 Ion Ratio Lower Upper
 146 100
 111 44.7 34.7 52.1
 148 63.2 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.300 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion: 75 Resp: 18648
 Ion Ratio Lower Upper
 75 100
 155 67.7 58.6 88.0
 157 87.4 70.3 105.5

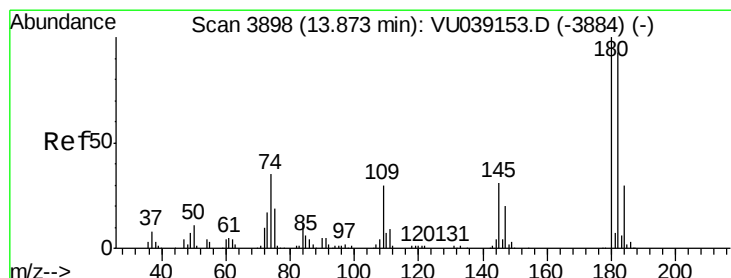
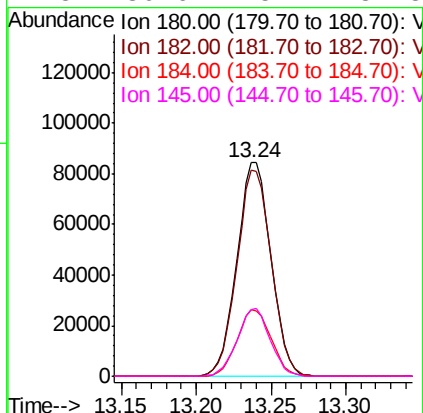
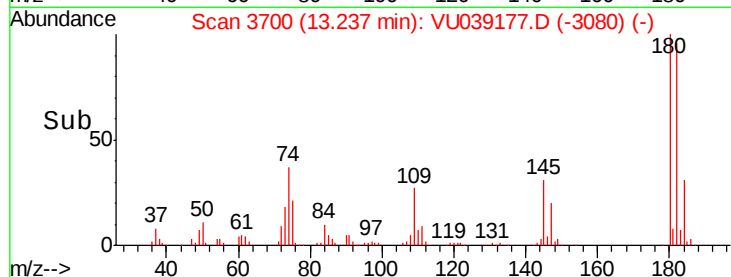
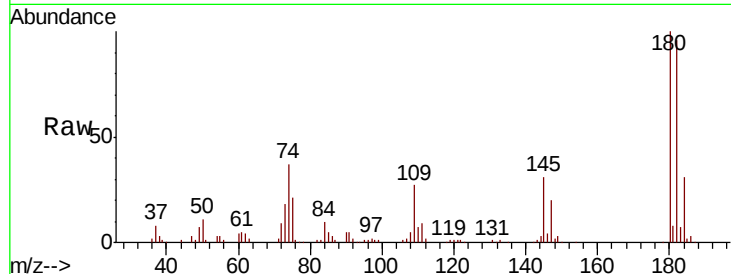




#67
 1,3,5-Trichlorobenzene
 Concen: 4.614 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

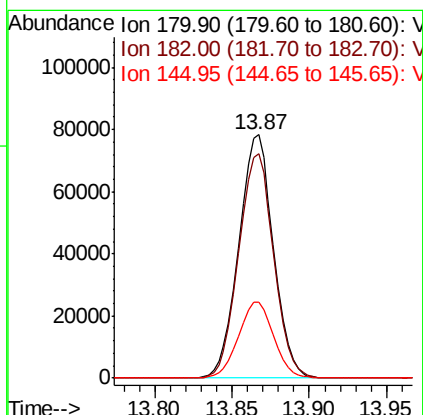
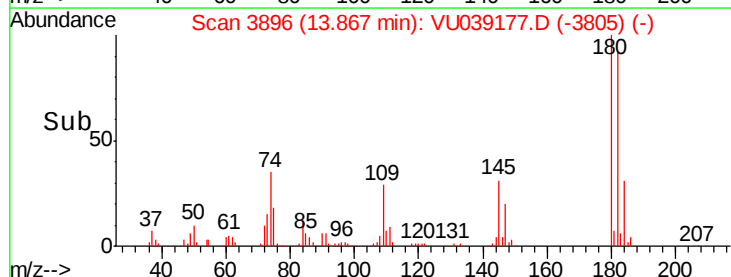
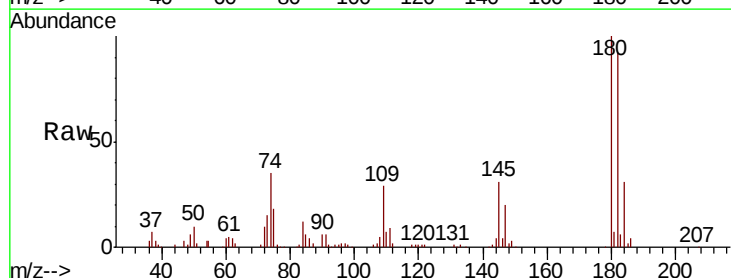
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

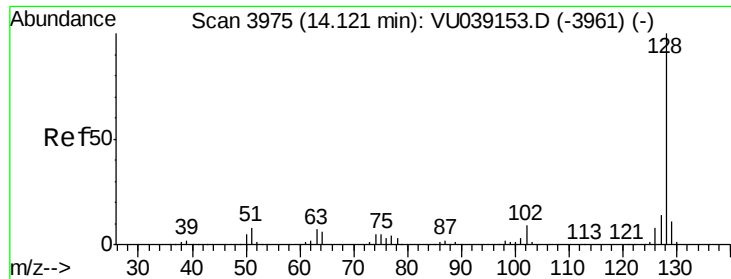
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.3	114.5
184	31.0	24.2	36.4
145	30.6	25.2	37.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.599 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.01 min
 Lab File: VU039177.D
 Acq: 26 Jun 2020 20:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.0	115.6
145	31.8	25.4	38.2





#69

Naphthalene

Concen: 4.154 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

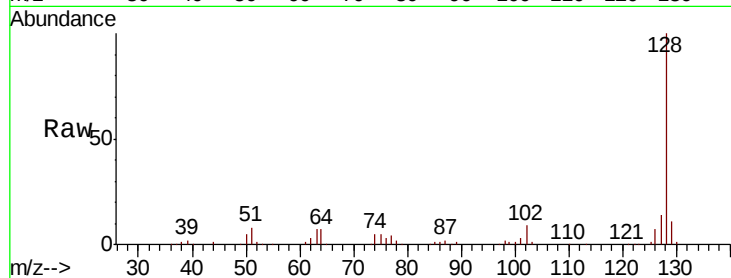
Tot Ion:128 Resp: 234226

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

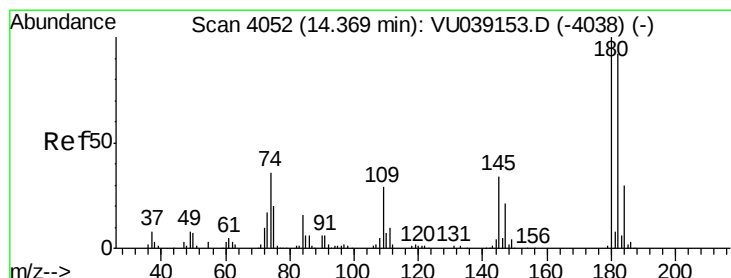
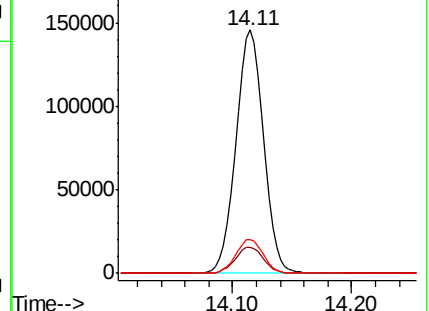
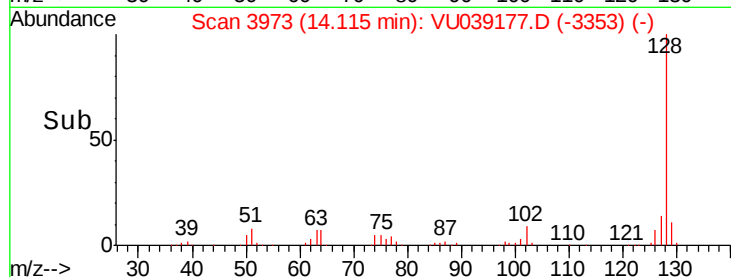
127 13.9 10.8 16.2



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: 4.437 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU039177.D

Acq: 26 Jun 2020 20:49

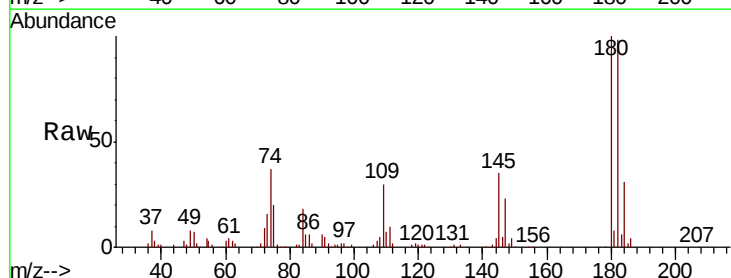
Tgt Ion:180 Resp: 113194

Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.6

145 35.0 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

