

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
 Data File : VU039632.D
 Acq On : 23 Jul 2020 11:34
 Operator : SY/MD
 Sample : VSTD01031
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Quant Time: Jul 23 12:37:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	154589	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	153606	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	71812	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	12131	13.82	ug/L	0.00
7) Chloroethane-d5	1.92	69	13571	17.94	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	25968	13.68	ug/L	0.00
21) 2-Butanone-d5	4.65	46	28516	32.04	ug/L	0.00
24) Chloroform-d	5.08	84	26621	13.89	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	19528	15.05	ug/L	0.00
32) Benzene-d6	5.74	84	50752	13.51	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	16692	14.23	ug/L	0.00
41) Toluene-d8	7.91	98	45414	13.26	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	7791	13.20	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	16537	26.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	24924	13.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	18346	14.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	12970	10.958	ug/L 99
3) Chloromethane	1.53	50	13825	11.951	ug/L 99
5) Vinyl chloride	1.61	62	13644	11.259	ug/L 97
6) Bromomethane	1.87	94	9455	13.920	ug/L 94
8) Chloroethane	1.94	64	11020	14.214	ug/L 98
9) Trichlorofluoromethane	2.15	101	23986	13.641	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	11741	12.048	ug/L 97
12) 1,1-Dichloroethene	2.60	96	11084	11.685	ug/L 81
13) Acetone	2.65	43	20534	29.674	ug/L 96
14) Carbon disulfide	2.81	76	34693	11.288	ug/L 98
15) Methyl Acetate	2.97	43	17124	12.202	ug/L 99
16) Methylene chloride	3.06	84	12631	11.167	ug/L 98
17) trans-1,2-Dichloroethene	3.37	96	11766	11.198	ug/L 95
18) Methyl tert-butyl Ether	3.38	73	37383	10.983	ug/L 100
19) 1,1-Dichloroethane	3.89	63	23068	11.468	ug/L 92
20) cis-1,2-Dichloroethene	4.69	96	12819	10.947	ug/L 97
22) 2-Butanone	4.74	43	25713	24.357	ug/L 98
23) Bromochloromethane	5.00	128	6678	11.470	ug/L 90
25) Chloroform	5.11	83	25848	12.604	ug/L 97
27) 1,2-Dichloroethane	5.81	62	20777	12.329	ug/L 100
29) Cyclohexane	5.41	56	20258	11.654	ug/L 99
30) 1,1,1-Trichloroethane	5.34	97	22328	12.306	ug/L 97
31) Carbon tetrachloride	5.55	117	17688	11.690	ug/L 100
33) Benzene	5.79	78	51660	11.487	ug/L 100
34) Trichloroethene	6.56	95	13135	11.352	ug/L 97
35) Methylcyclohexane	6.78	83	20336	11.653	ug/L 99
37) 1,2-Dichloropropane	6.81	63	13596	11.548	ug/L 99
38) Bromodichloromethane	7.12	83	17756	11.652	ug/L 97
39) cis-1,3-Dichloropropene	7.62	75	19824	10.927	ug/L 98
40) 4-Methyl-2-pentanone	7.80	43	45970	24.254	ug/L 99

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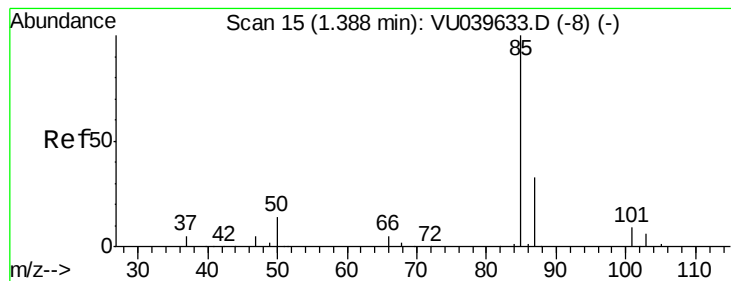
Quant Time: Jul 23 12:37:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	53877	11.350	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	17916	10.251	ug/L	95
45) 1,1,2-Trichloroethane	8.41	97	13015	11.494	ug/L	95
46) Tetrachloroethene	8.56	164	9789	11.757	ug/L	92
48) 2-Hexanone	8.69	43	38295	24.421	ug/L	98
49) Dibromochloromethane	8.82	129	13421	11.319	ug/L	99
50) 1,2-Dibromoethane	8.93	107	13805	11.251	ug/L #	94
51) Chlorobenzene	9.45	112	34701	11.415	ug/L	98
52) Ethylbenzene	9.57	91	58986	11.253	ug/L	99
53) m,p-Xylene	9.70	106	21749	10.867	ug/L	95
54) o-xylene	10.10	106	20642	10.604	ug/L	91
55) Styrene	10.11	104	35315	10.471	ug/L	99
56) Isopropylbenzene	10.48	105	56846	11.130	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	23324	11.906	ug/L #	93
59) 1,2,3-Trichloropropane	10.83	75	19500	11.731	ug/L	99
61) Bromoform	10.29	173	9345	11.650	ug/L #	96
62) 1,3-Dichlorobenzene	11.74	146	26323	11.895	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	26050	11.653	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	26118	11.811	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	4893	10.574	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	18186	11.406	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	14581	9.791	ug/L	100
69) Naphthalene	14.08	128	39954	7.836	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	14569	9.857	ug/L	99

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

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ALS Vial  : 1      Sample Multiplier: 1
```



#2

Dichlorodifluoromethane

Concen: 10.958 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

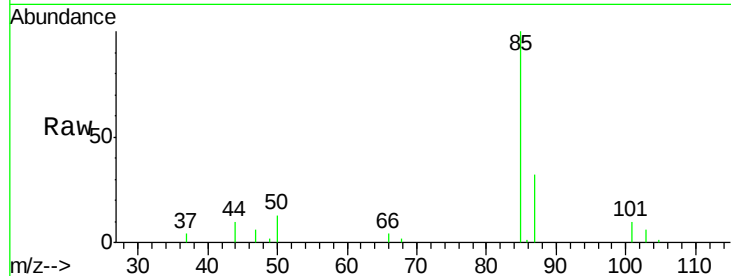
VSTD01031

Tgt Ion: 85 Resp: 12970

Ion Ratio Lower Upper

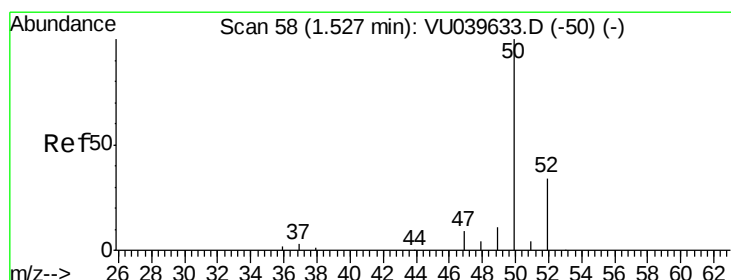
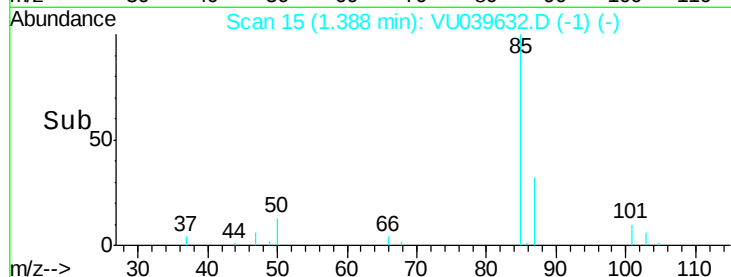
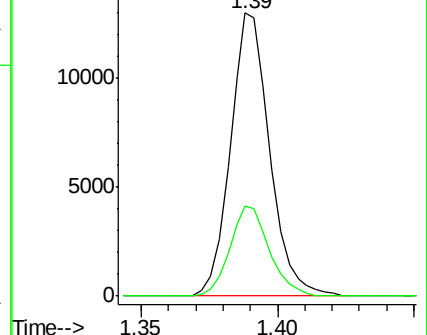
85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU039633.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039633.D (-8) (-)



#3

Chloromethane

Concen: 11.951 ug/L

RT: 1.53 min Scan# 59

Delta R.T. 0.00 min

Lab File: VU039632.D

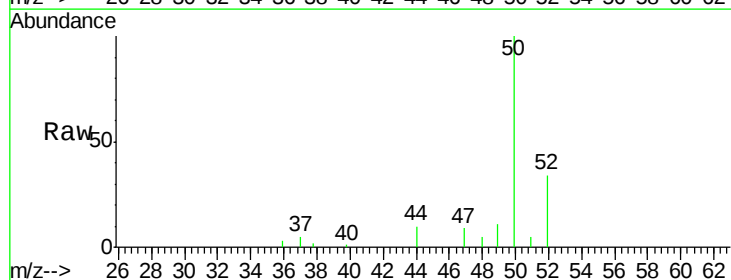
Acq: 23 Jul 2020 11:34

Tgt Ion: 50 Resp: 13825

Ion Ratio Lower Upper

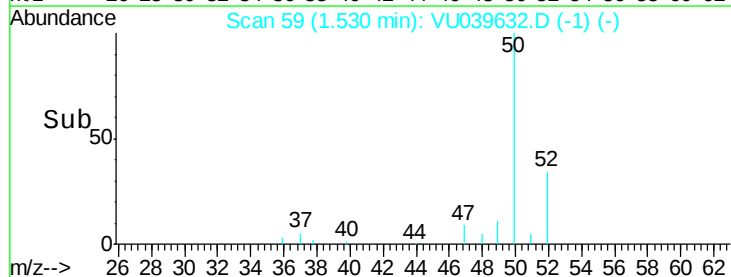
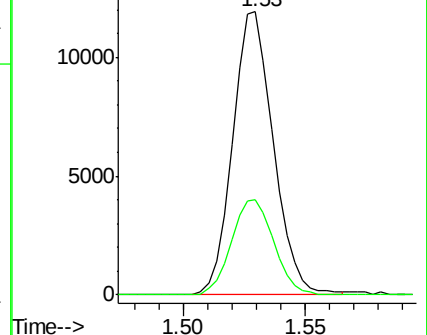
50 100

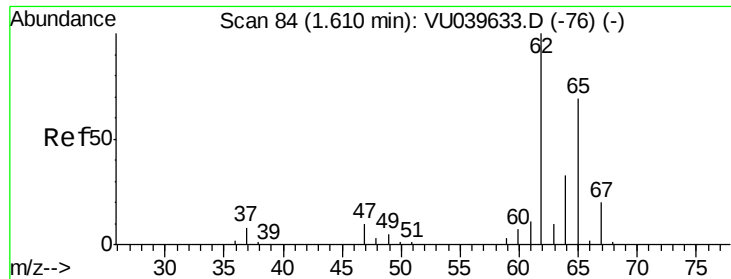
52 33.7 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039633.D (-50) (-)

Ion 52.00 (51.70 to 52.70): VU039633.D (-50) (-)





#5

Vinyl chloride

Concen: 11.259 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

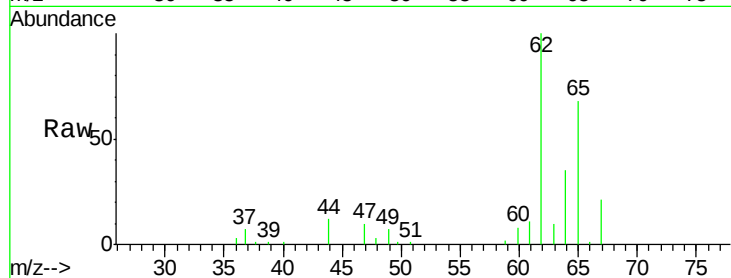
VSTD01031

Tgt Ion: 62 Resp: 13644

Ion Ratio Lower Upper

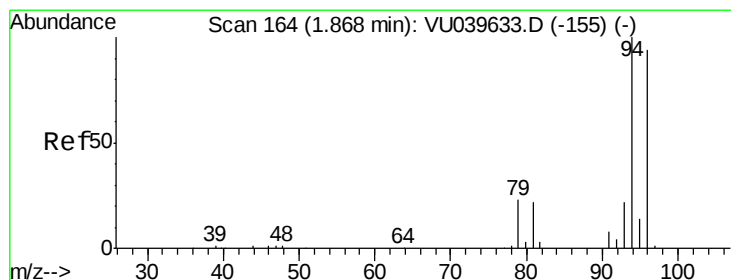
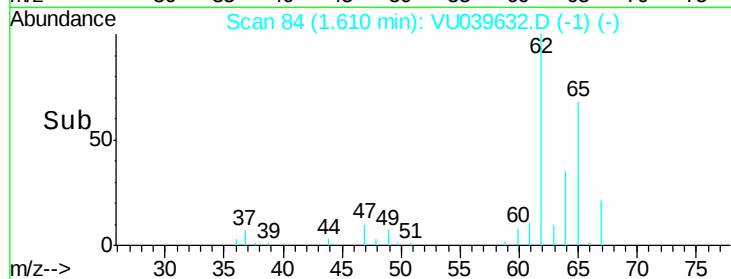
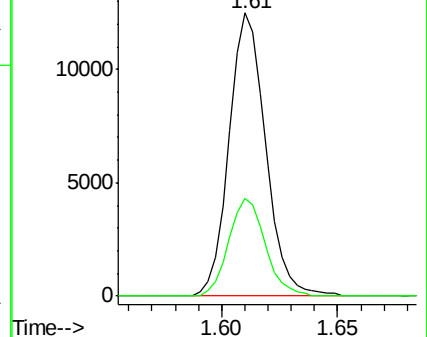
62 100

64 34.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 13.920 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039632.D

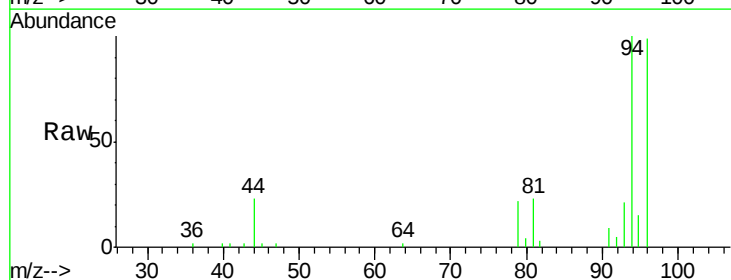
Acq: 23 Jul 2020 11:34

Tgt Ion: 94 Resp: 9455

Ion Ratio Lower Upper

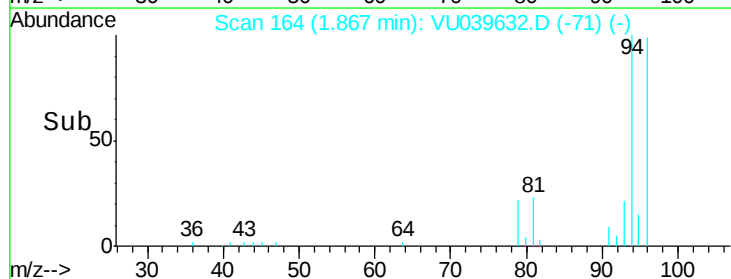
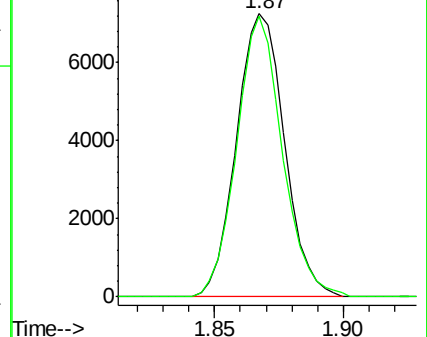
94 100

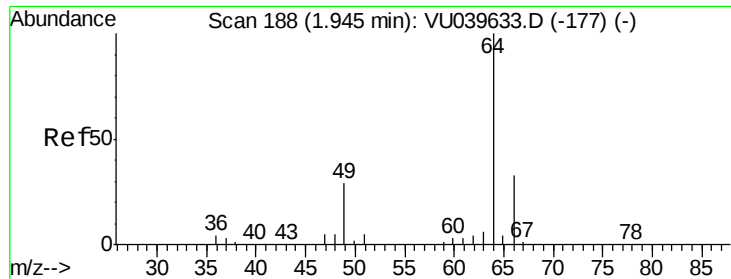
96 99.4 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 14.214 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

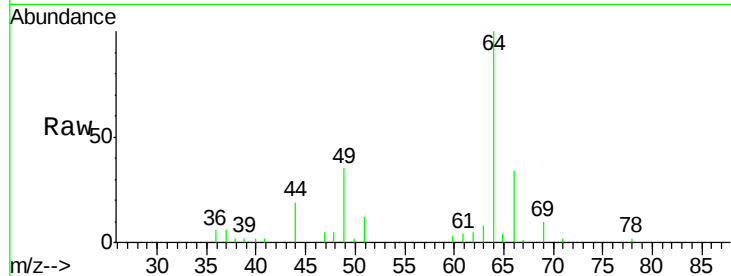
VSTD01031

Tgt Ion: 64 Resp: 11020

Ion Ratio Lower Upper

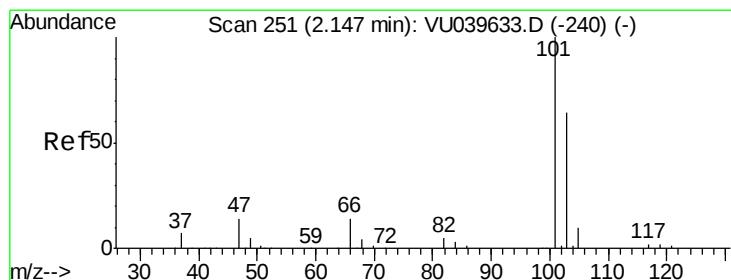
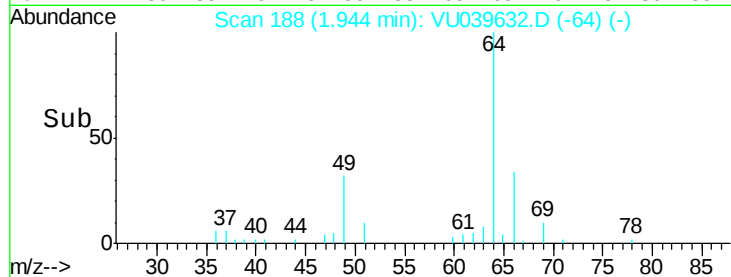
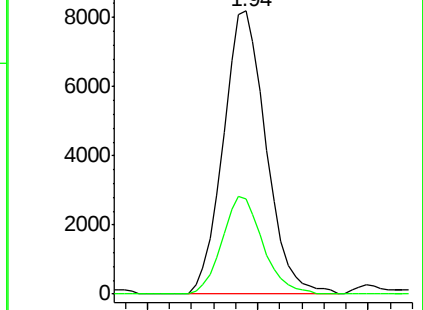
64 100

66 33.6 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VU039632.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VU039632.D (-64) (-)



#9

Trichlorofluoromethane

Concen: 13.641 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039632.D

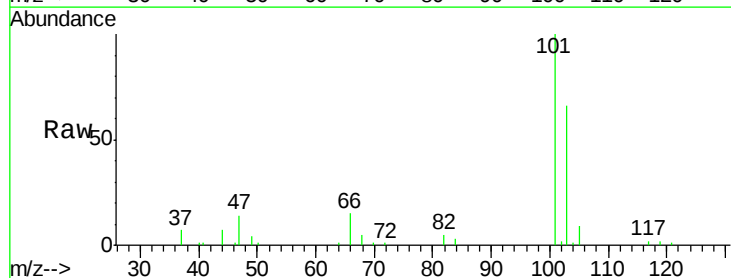
Acq: 23 Jul 2020 11:34

Tgt Ion: 101 Resp: 23986

Ion Ratio Lower Upper

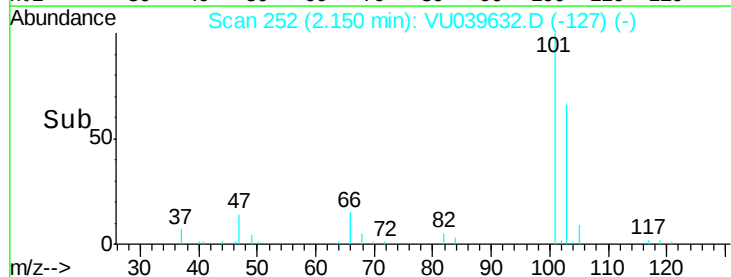
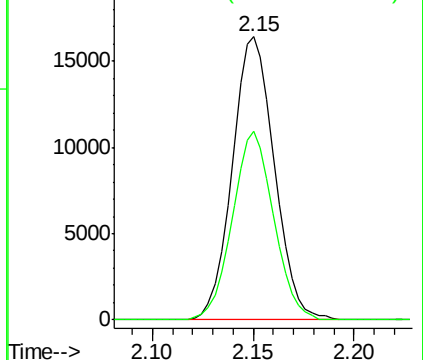
101 100

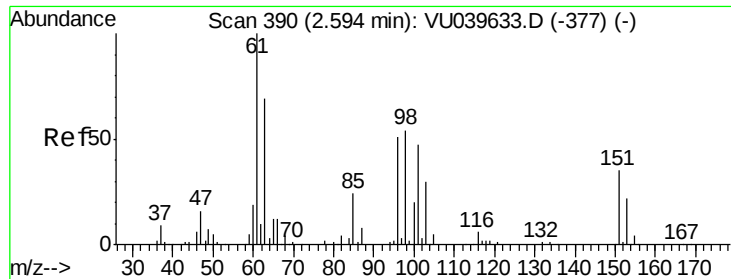
103 65.3 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU039632.D (-127) (-)

Ion 103.00 (102.70 to 103.70): VU039632.D (-127) (-)





#10

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

Concen: 12.048 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

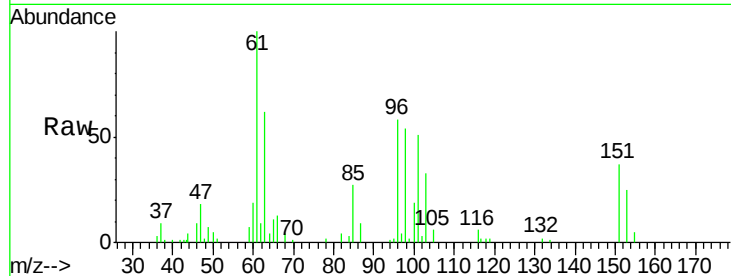
Tgt Ion:101 Resp: 11741

Ion Ratio Lower Upper

101 100

85 47.8 39.7 59.5

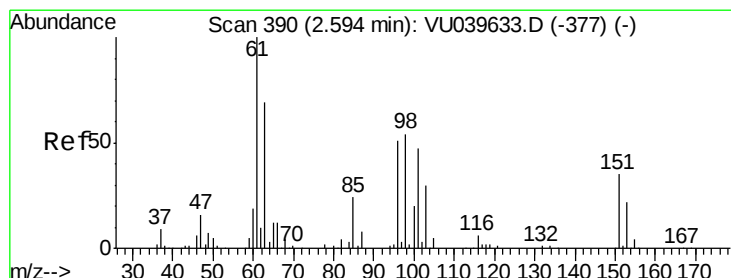
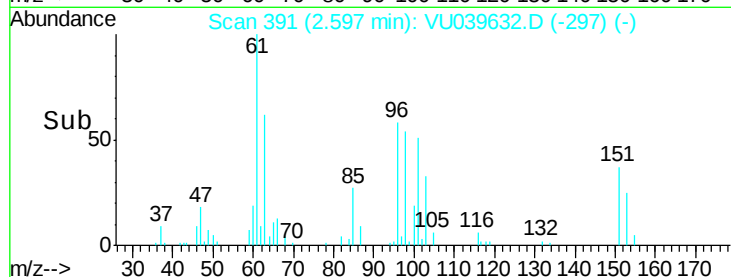
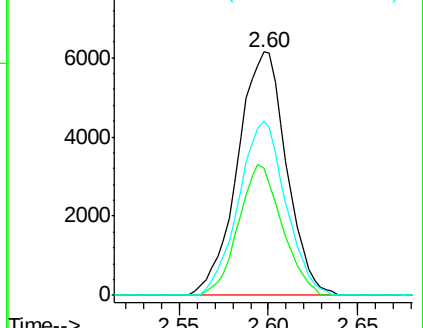
151 68.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 11.685 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

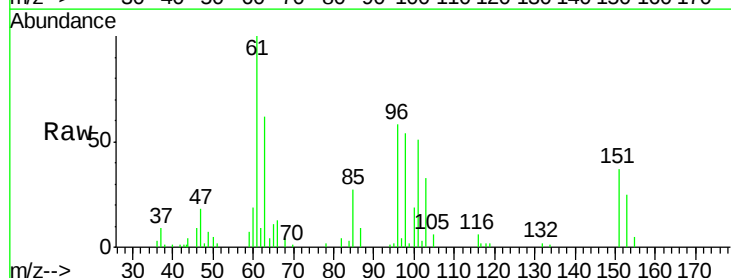
Tgt Ion: 96 Resp: 11084

Ion Ratio Lower Upper

96 100

61 172.9 136.6 253.6

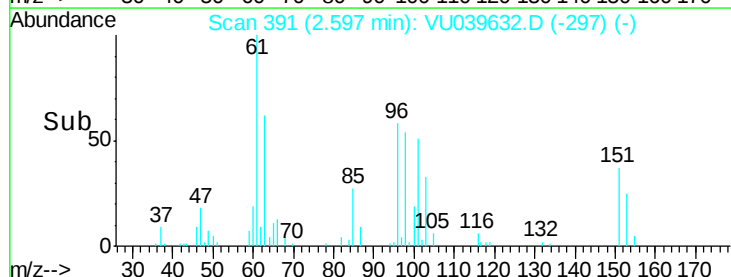
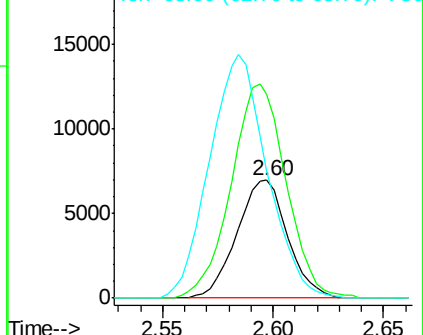
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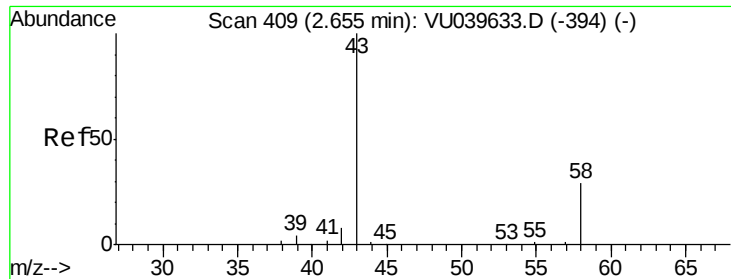


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 29.674 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

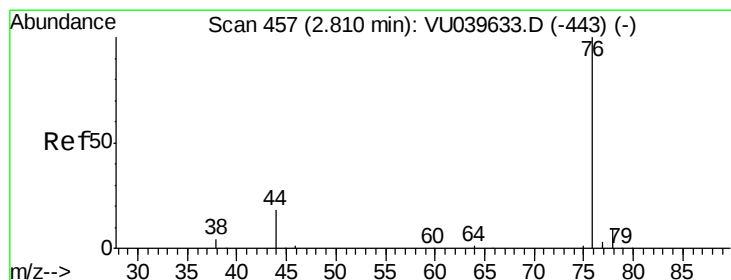
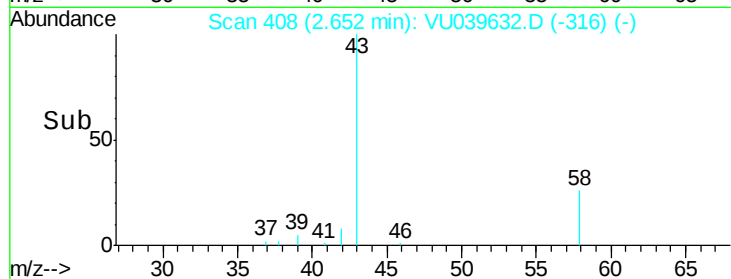
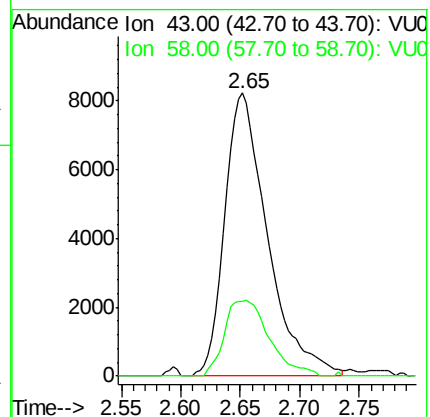
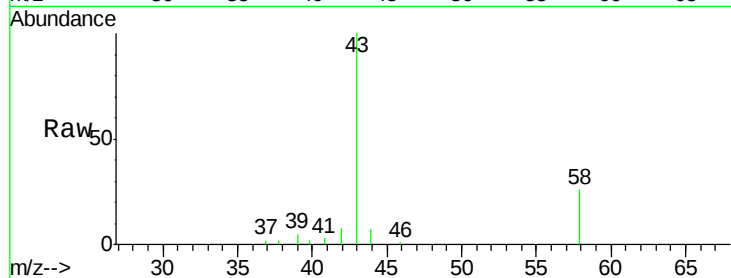
VSTD01031

Tgt Ion: 43 Resp: 20534

Ion Ratio Lower Upper

43 100

58 27.4 0.0 59.4



#14

Carbon disulfide

Concen: 11.288 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039632.D

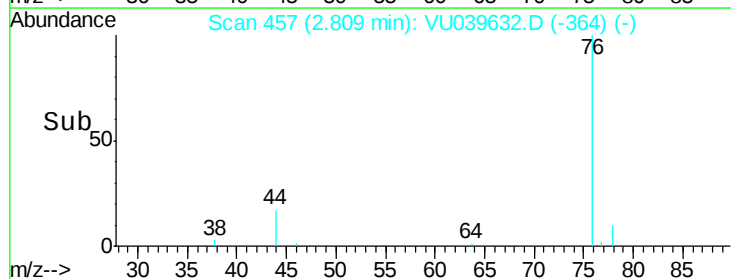
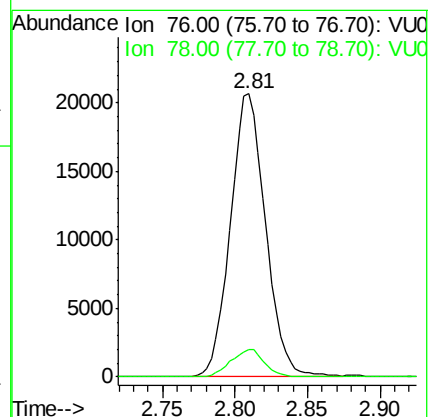
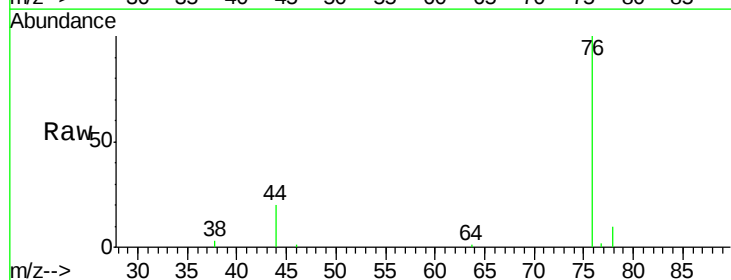
Acq: 23 Jul 2020 11:34

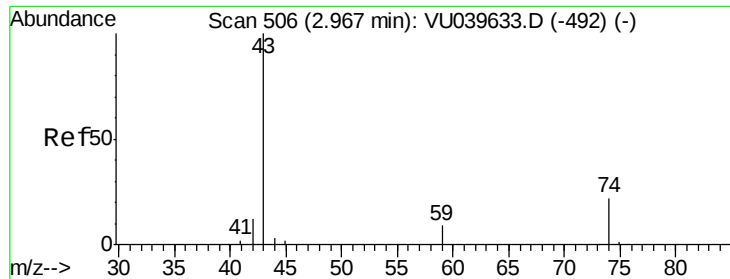
Tgt Ion: 76 Resp: 34693

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9

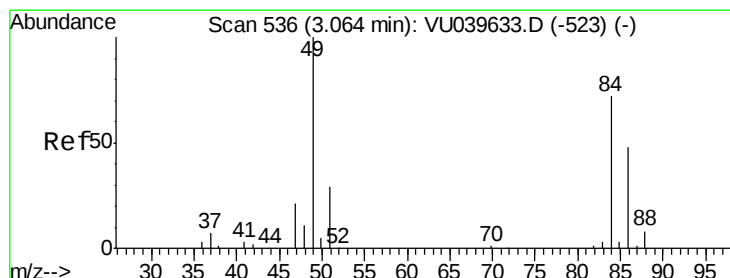
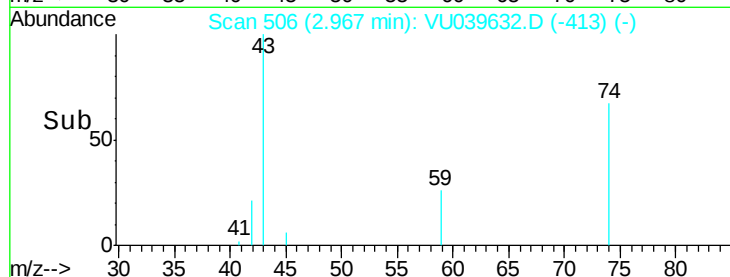
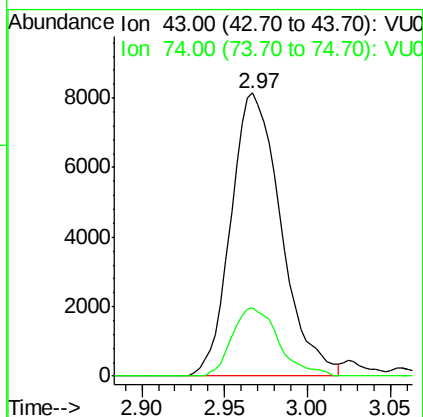
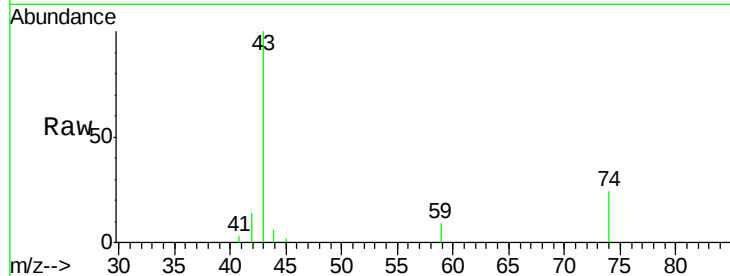




#15
Methyl Acetate
Concen: 12.202 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

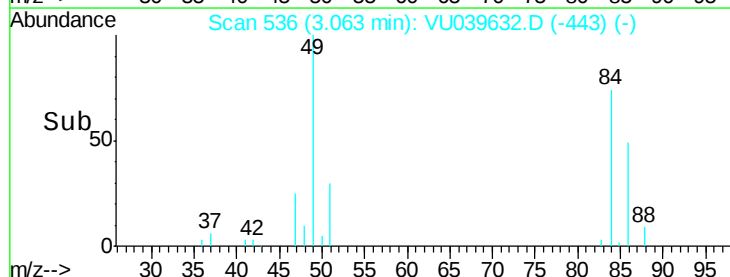
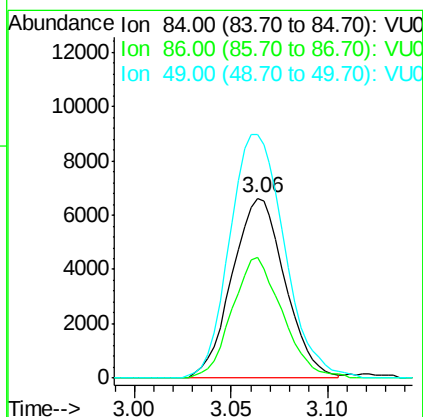
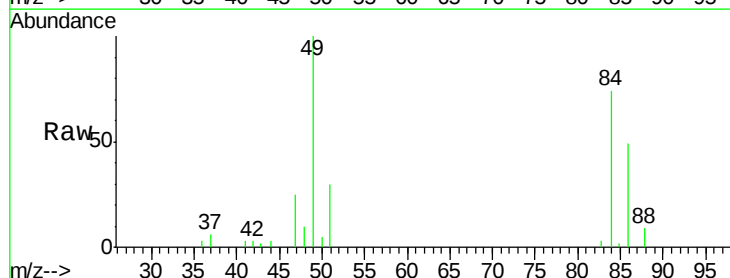
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

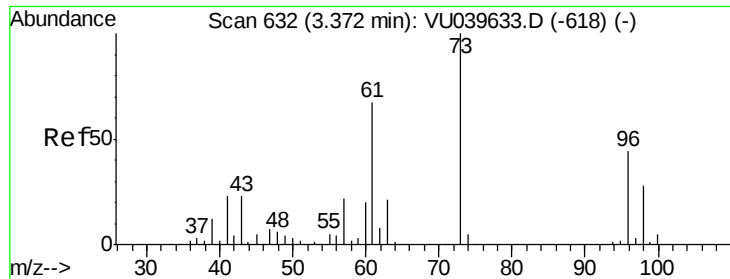
Tgt Ion: 43 Resp: 17124
Ion Ratio Lower Upper
43 100
74 22.4 17.4 26.0



#16
Methylene chloride
Concen: 11.167 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Tgt Ion: 84 Resp: 12631
Ion Ratio Lower Upper
84 100
86 67.0 46.2 85.8
49 135.5 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 11.198 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

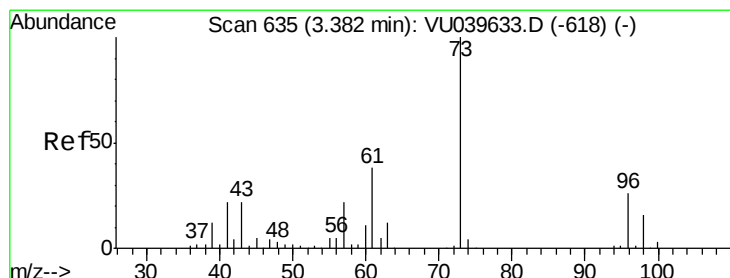
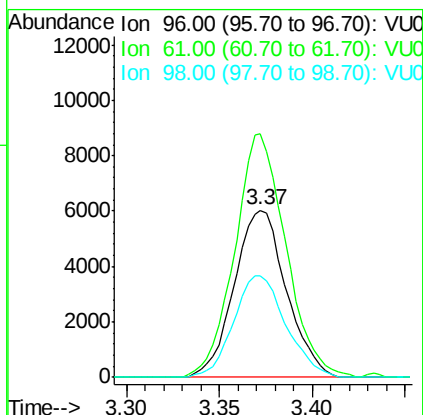
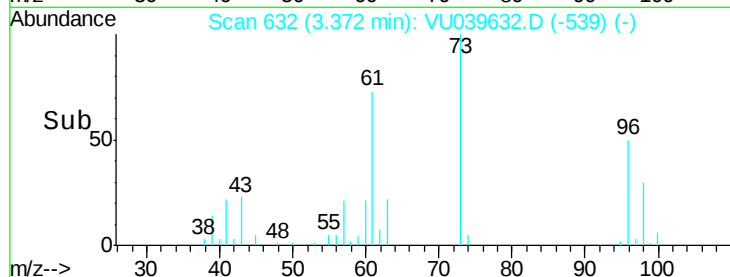
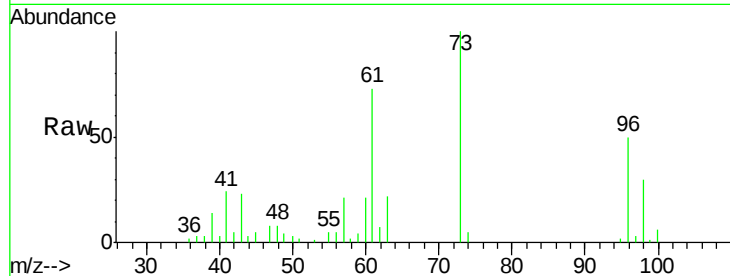
Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Tgt Ion: 96 Resp: 11766

Ion	Ratio	Lower	Upper
96	100		
61	146.0	106.7	198.1
98	60.5	44.3	82.3



#18

Methyl tert-butyl Ether

Concen: 10.983 ug/L

RT: 3.38 min Scan# 635

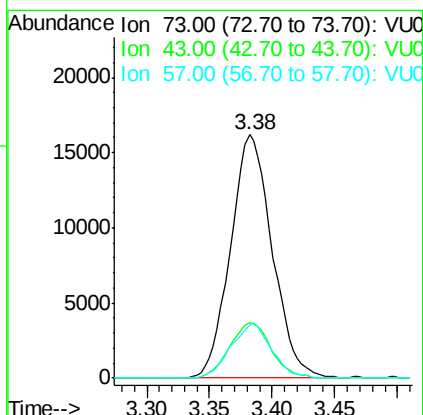
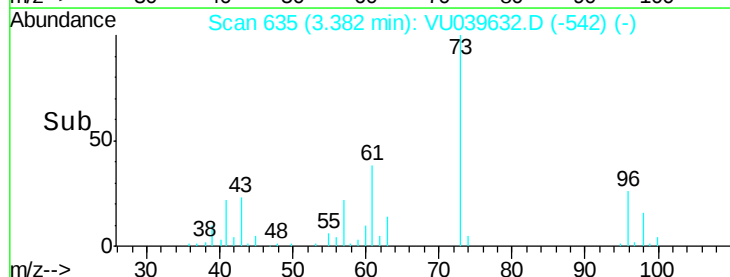
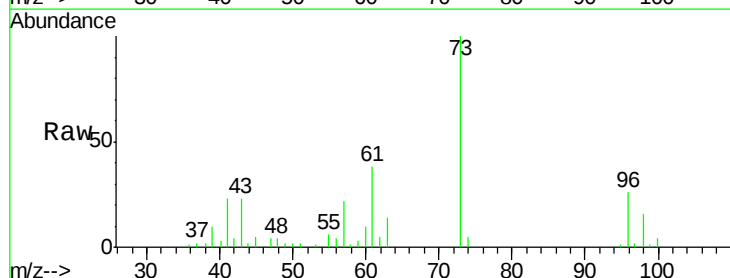
Delta R.T. -0.00 min

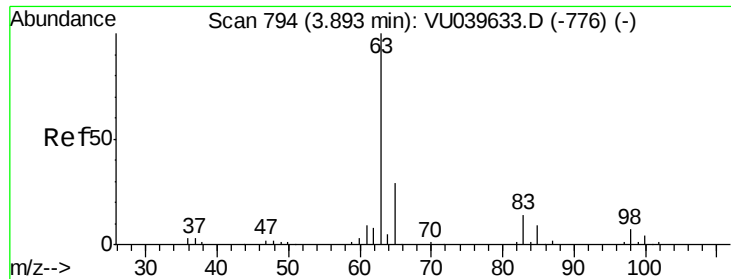
Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Tgt Ion: 73 Resp: 37383

Ion	Ratio	Lower	Upper
73	100		
43	22.6	18.2	27.2
57	21.9	17.4	26.2

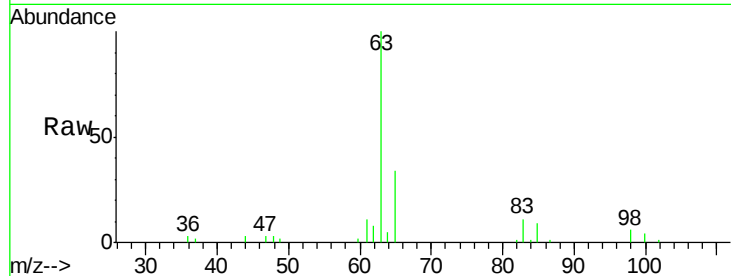




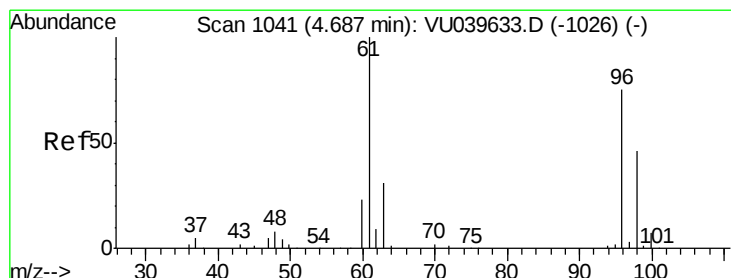
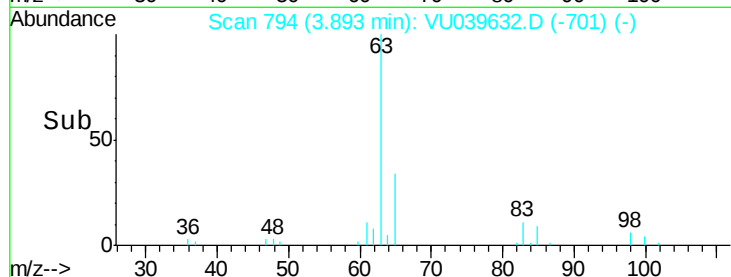
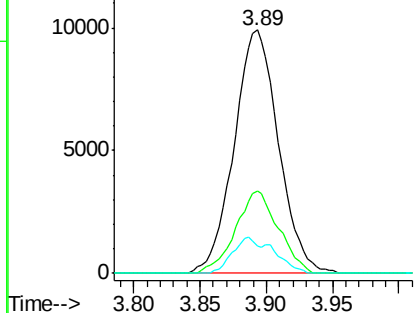
#19
 1,1-Dichloroethane
 Concen: 11.468 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion: 63 Resp: 23068
 Ion Ratio Lower Upper
 63 100
 65 33.6 20.4 38.0
 83 11.2 9.7 18.1

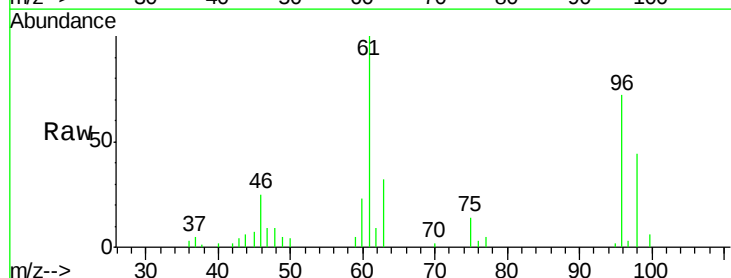


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

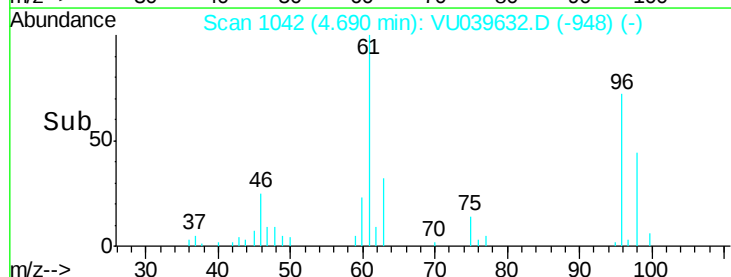
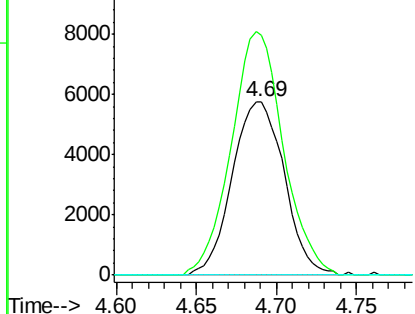


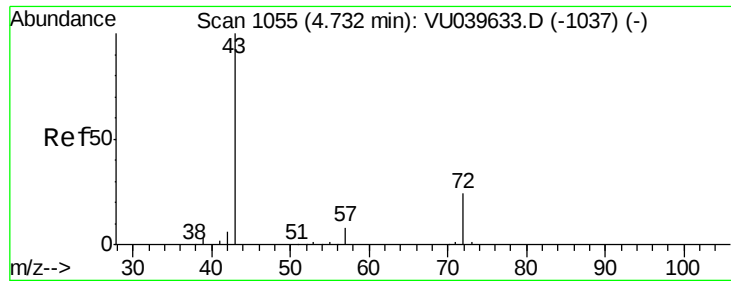
#20
 cis-1,2-Dichloroethene
 Concen: 10.947 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion: 96 Resp: 12819
 Ion Ratio Lower Upper
 96 100
 61 138.1 94.0 174.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

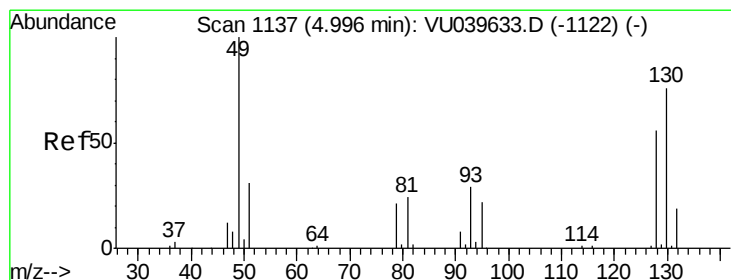
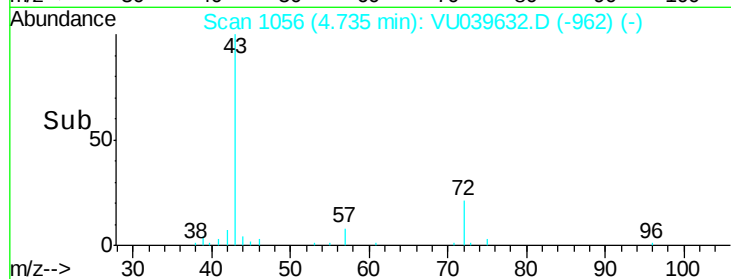
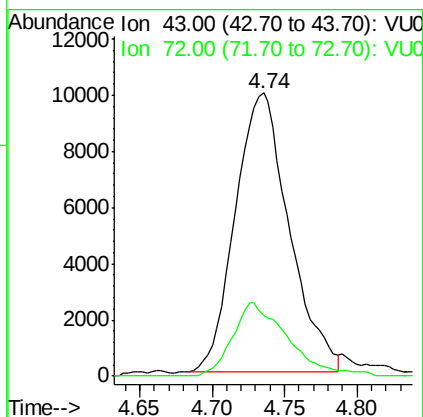
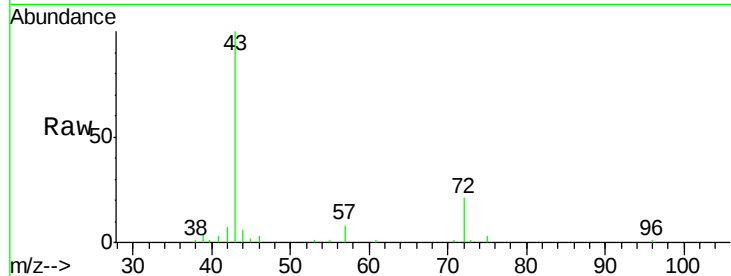




#22
 2-Butanone
 Concen: 24.357 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

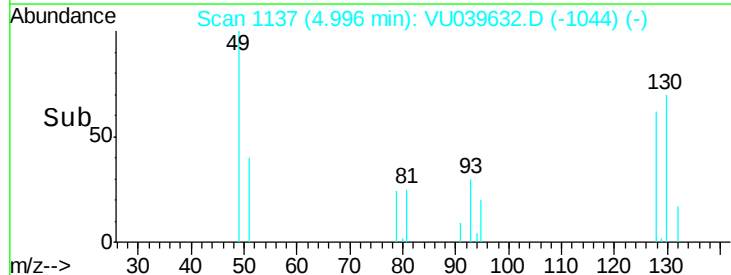
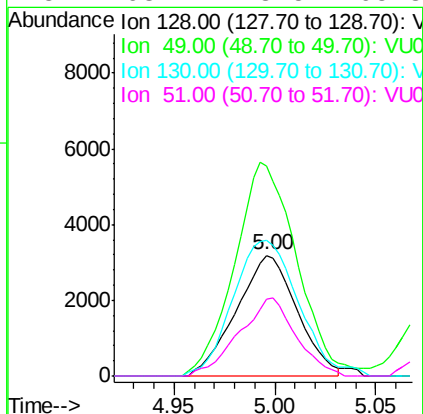
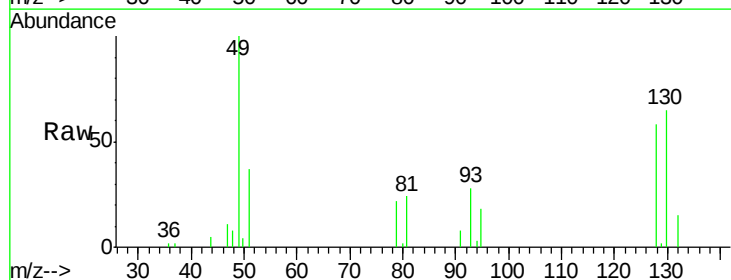
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

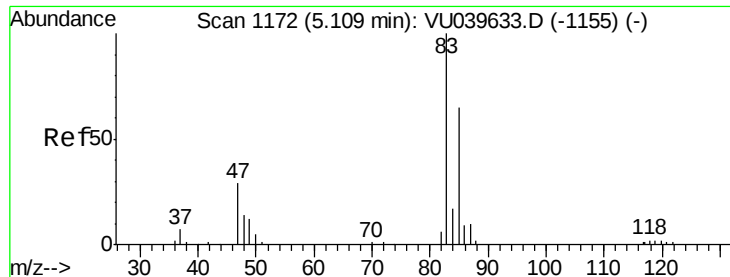
Tgt Ion: 43 Resp: 25713
 Ion Ratio Lower Upper
 43 100
 72 26.7 12.8 38.3



#23
 Bromochloromethane
 Concen: 11.470 ug/L
 RT: 5.00 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion: 128 Resp: 6678
 Ion Ratio Lower Upper
 128 100
 49 173.3 124.5 231.3
 130 112.3 94.4 175.2
 51 63.7 43.5 65.3

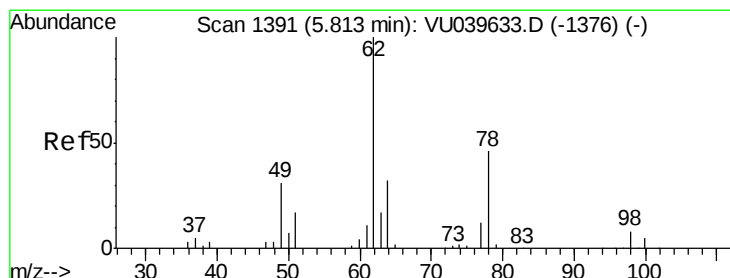
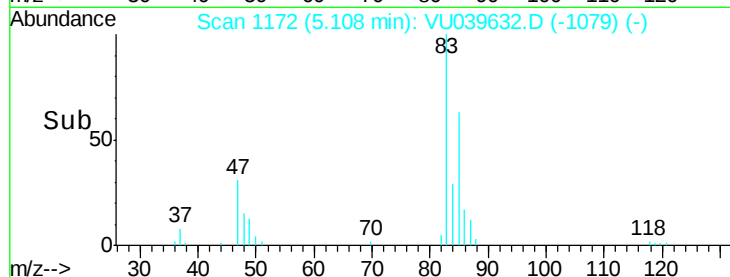
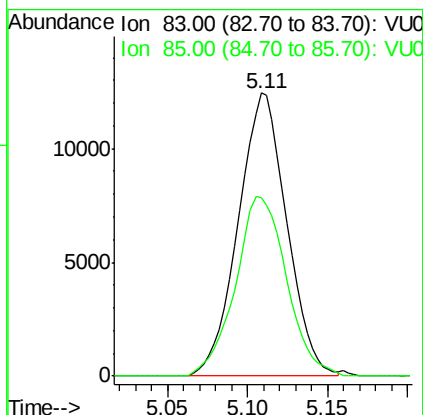
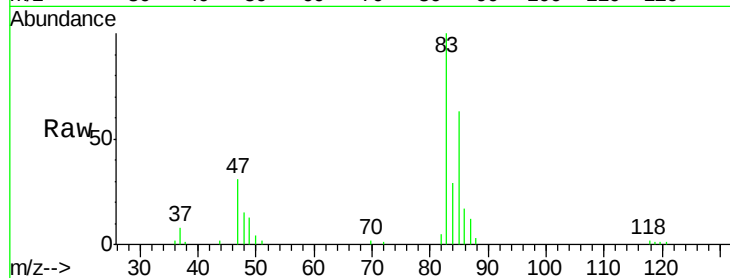




#25
Chloroform
Concen: 12.604 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

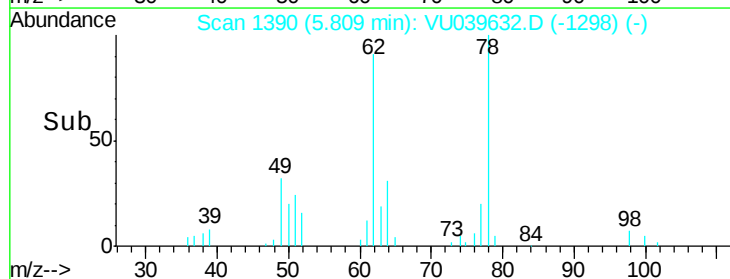
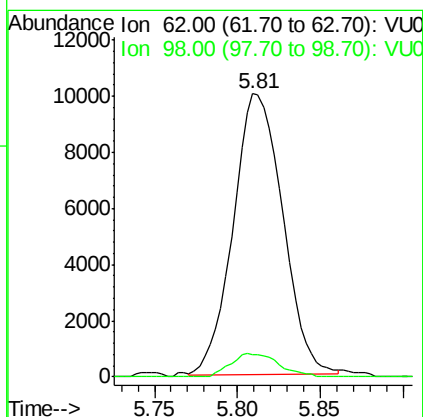
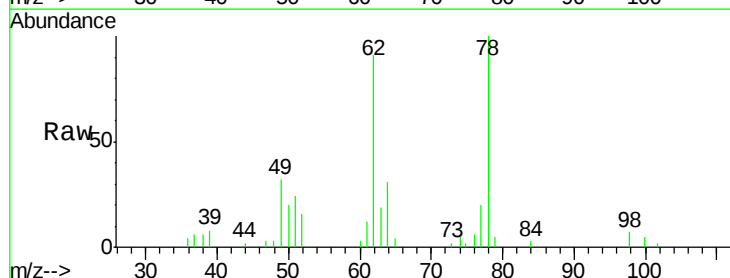
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

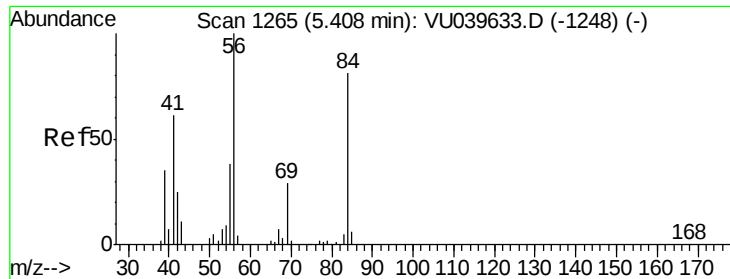
Tgt Ion: 83 Resp: 25848
Ion Ratio Lower Upper
83 100
85 63.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 12.329 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Tgt Ion: 62 Resp: 20777
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

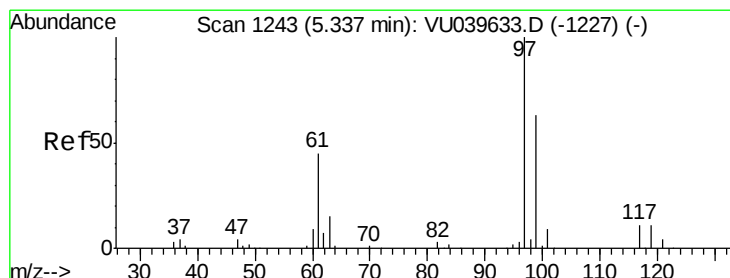
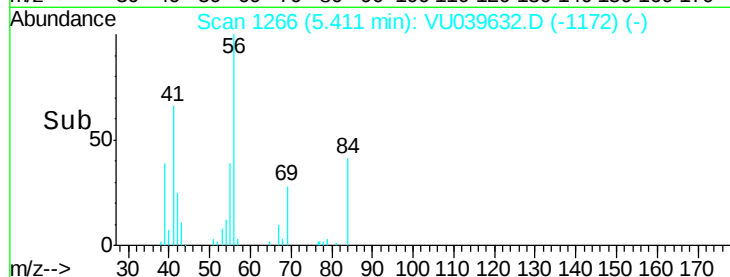
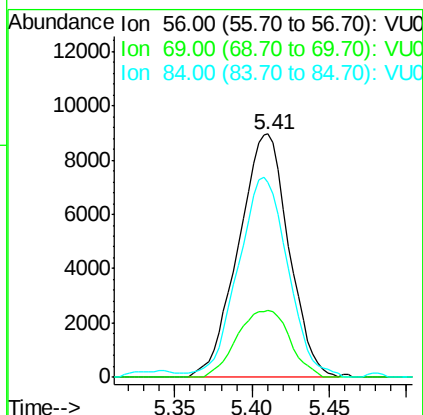
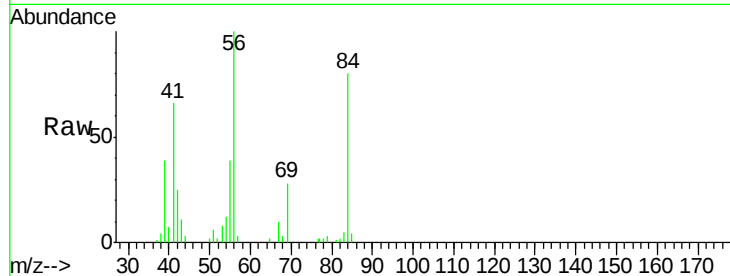




#29
Cyclohexane
Concen: 11.654 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

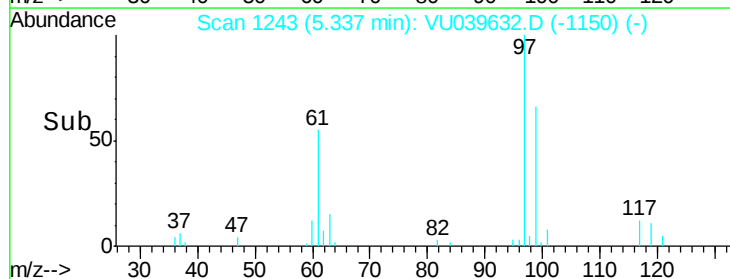
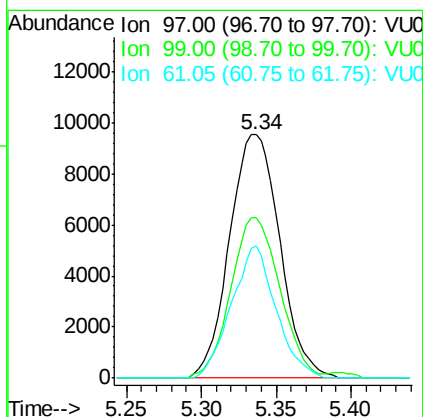
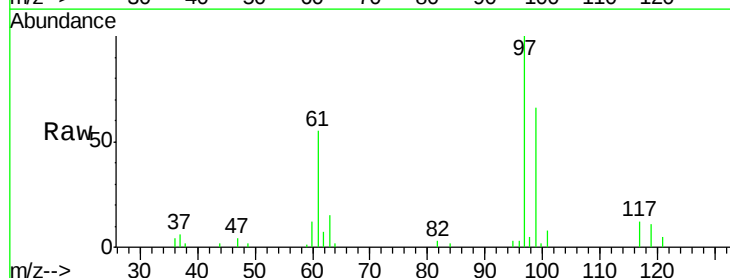
Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

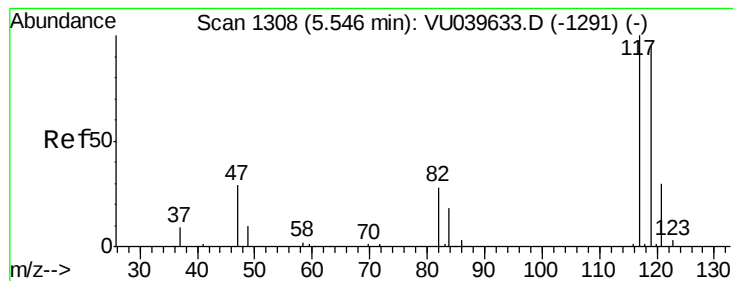
Tgt Ion: 56 Resp: 20258
Ion Ratio Lower Upper
56 100
69 28.9 23.9 35.9
84 81.5 65.8 98.8



#30
1,1,1-Trichloroethane
Concen: 12.306 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Tgt Ion: 97 Resp: 22328
Ion Ratio Lower Upper
97 100
99 64.3 50.3 75.5
61 48.0 36.0 54.0





#31

Carbon tetrachloride

Concen: 11.690 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

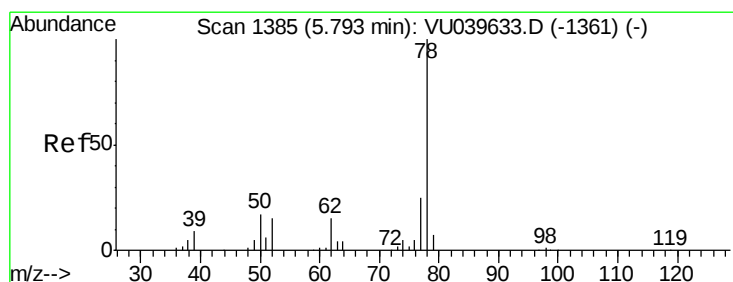
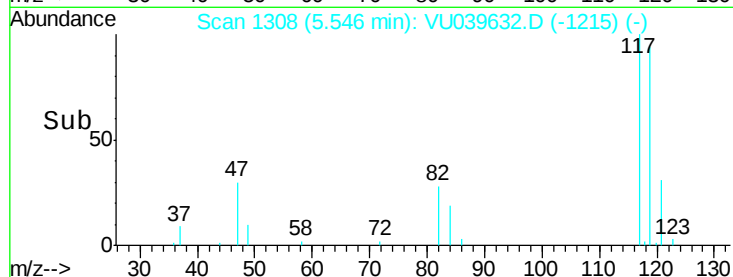
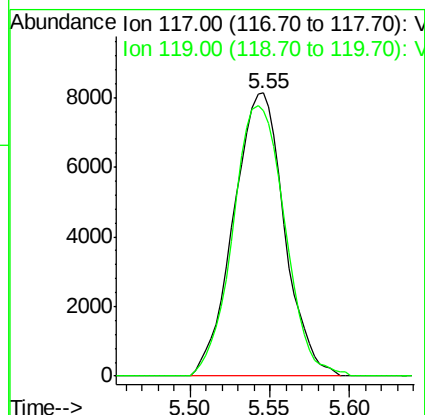
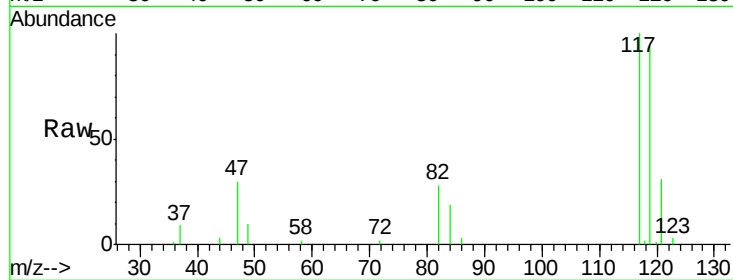
VSTD01031

Tgt Ion:117 Resp: 17688

Ion Ratio Lower Upper

117 100

119 97.7 78.2 117.4



#33

Benzene

Concen: 11.487 ug/L

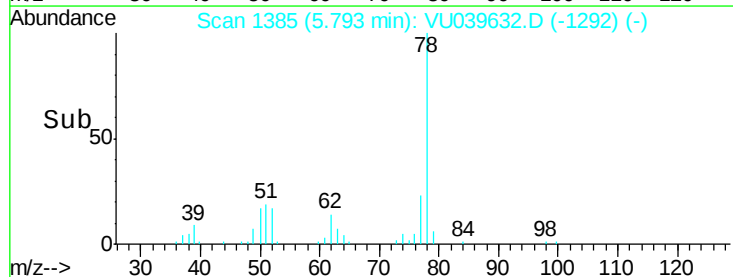
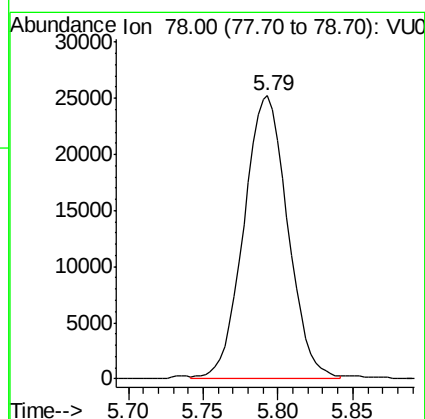
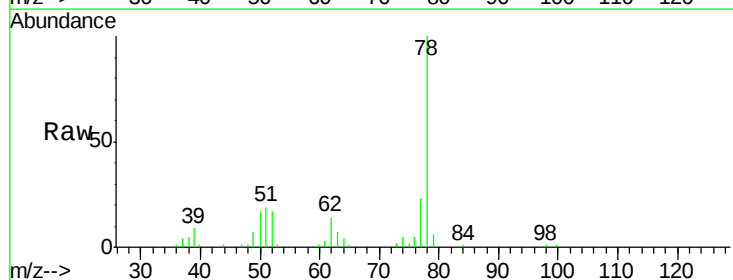
RT: 5.79 min Scan# 1385

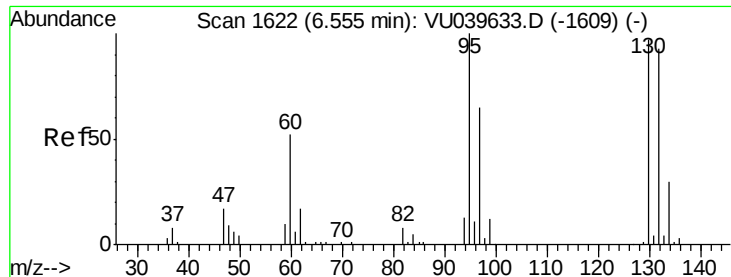
Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Tgt Ion: 78 Resp: 51660

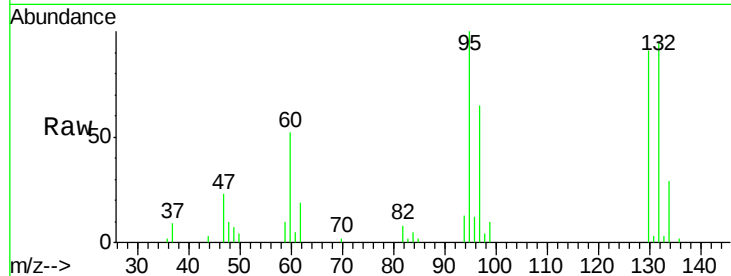




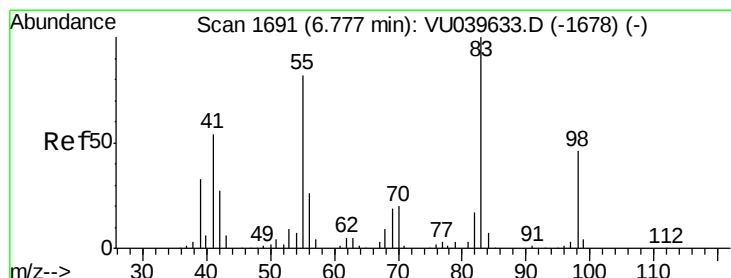
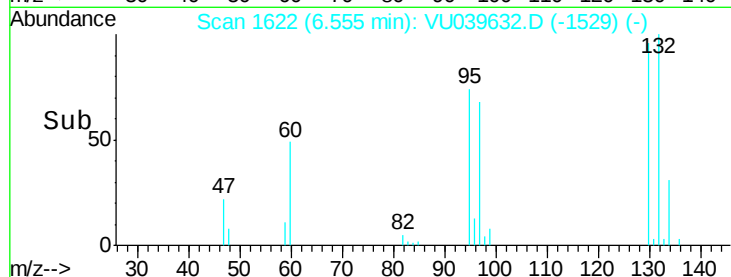
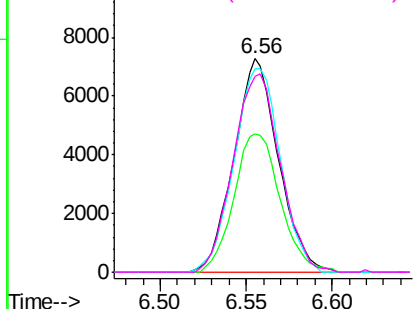
#34
 Trichloroethene
 Concen: 11.352 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion: 95 Resp: 13135
 Ion Ratio Lower Upper
 95 100
 97 64.9 45.5 84.5
 132 95.4 65.0 120.6
 130 91.4 67.9 126.1

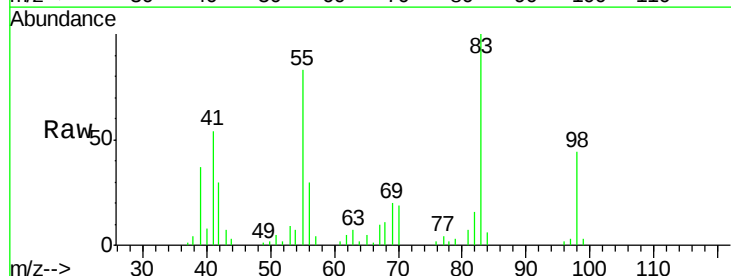


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

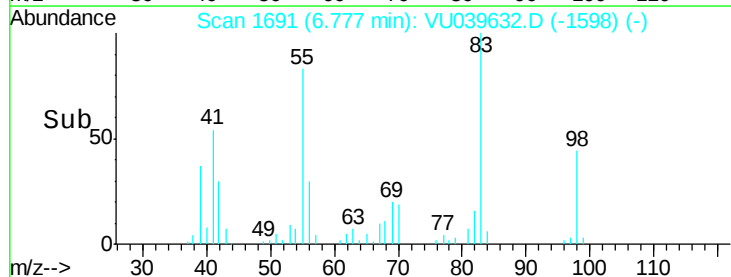
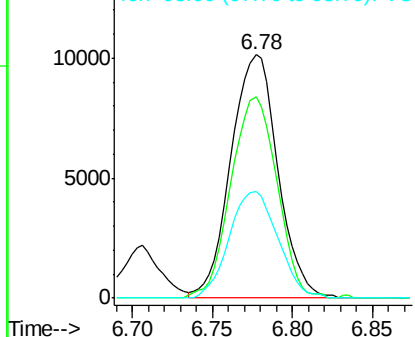


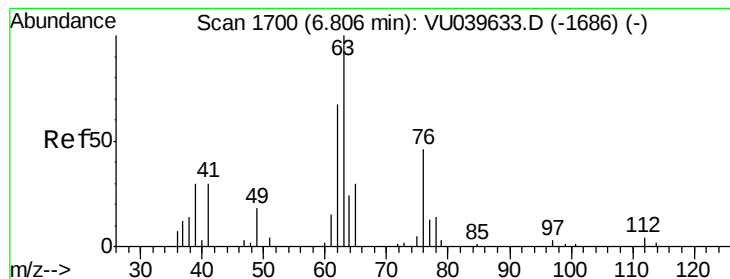
#35
 Methylcyclohexane
 Concen: 11.653 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion: 83 Resp: 20336
 Ion Ratio Lower Upper
 83 100
 55 80.6 62.9 94.3
 98 45.4 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 11.548 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampled :

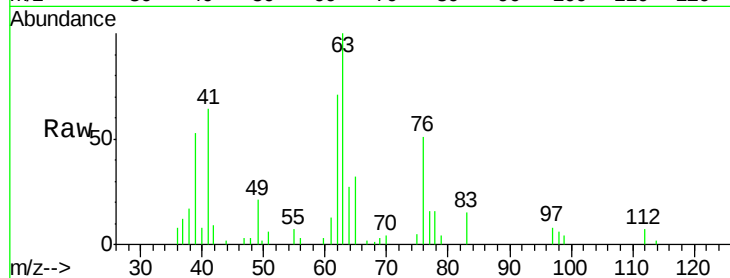
VSTD01031

Tgt Ion: 63 Resp: 13596

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.4



Abundance Ion 63.00 (62.70 to 63.70): VU039633.D (-1686) (-)

Ion 112.00 (111.70 to 112.70): VU039633.D (-1686) (-)

8000

6000

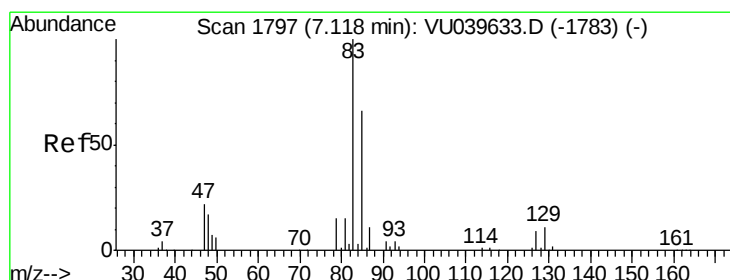
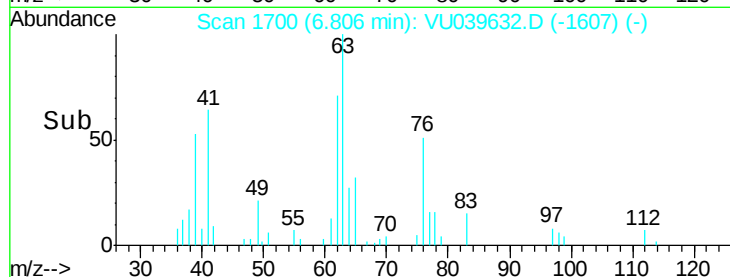
4000

2000

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 11.652 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

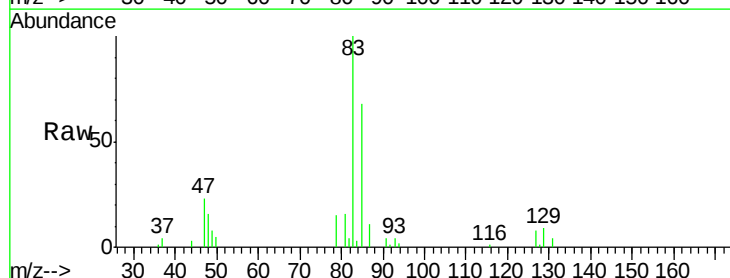
Tgt Ion: 83 Resp: 17756

Ion Ratio Lower Upper

83 100

85 67.5 45.9 85.3

127 7.7 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VU039633.D (-1783) (-)

Ion 85.00 (84.70 to 85.70): VU039633.D (-1783) (-)

Ion 127.00 (126.70 to 127.70): VU039633.D (-1783) (-)

12000

10000

8000

6000

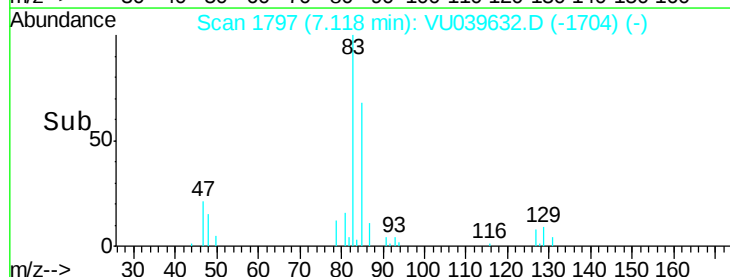
4000

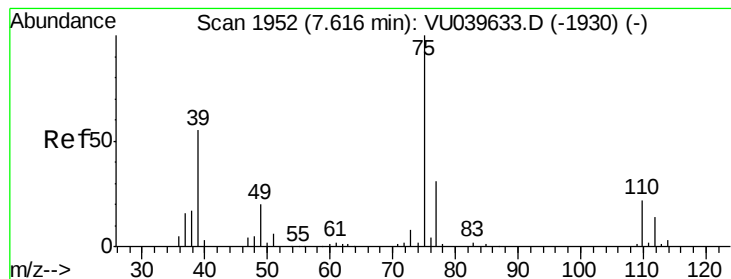
2000

0

7.05 7.10 7.15

Time-->



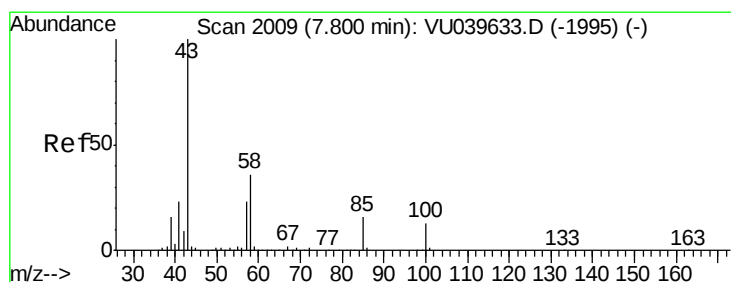
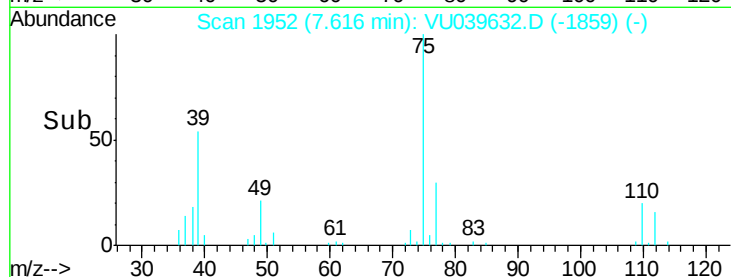
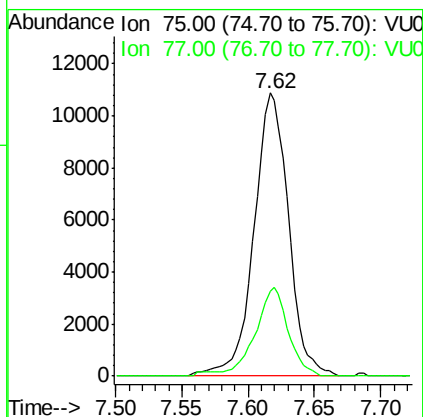
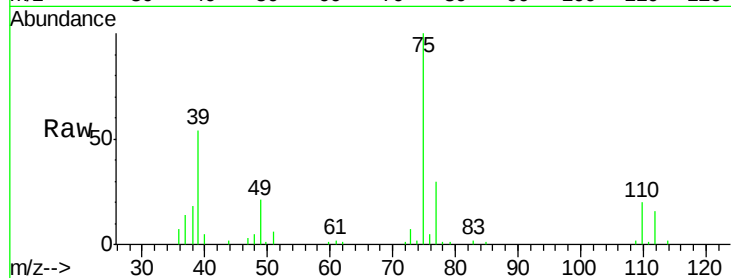


#39

cis-1,3-Dichloropropene
Concen: 10.927 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

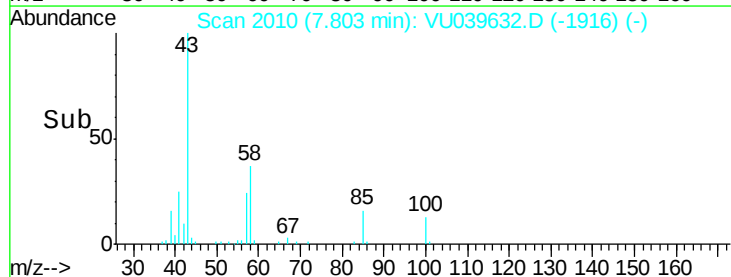
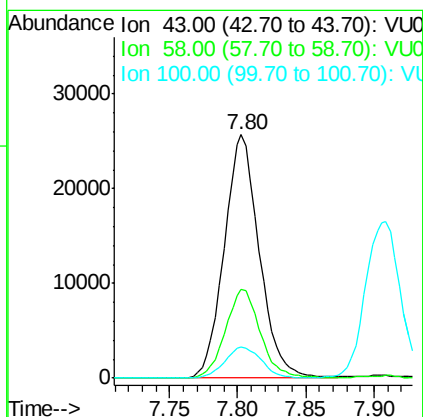
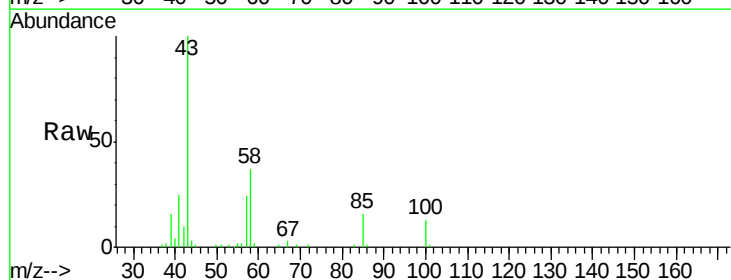
Tgt Ion: 75 Resp: 19824
Ion Ratio Lower Upper
75 100
77 29.9 21.8 40.6

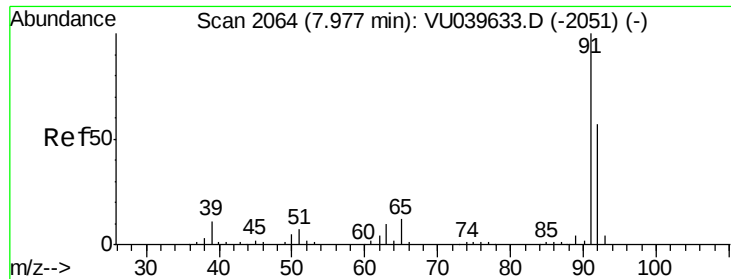


#40

4-Methyl-2-pentanone
Concen: 24.254 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Tgt Ion: 43 Resp: 45970
Ion Ratio Lower Upper
43 100
58 36.1 29.1 43.7
100 13.1 10.6 16.0





#42

Toluene

Concen: 11.350 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

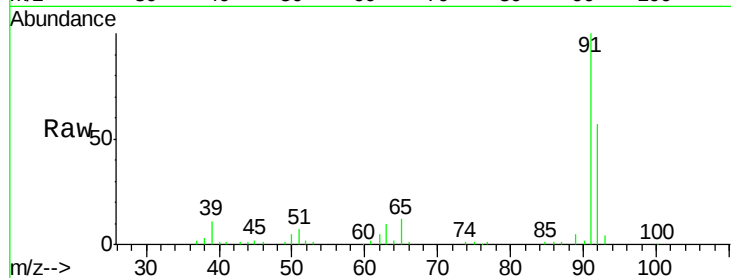
VSTD01031

Tgt Ion: 91 Resp: 53877

Ion Ratio Lower Upper

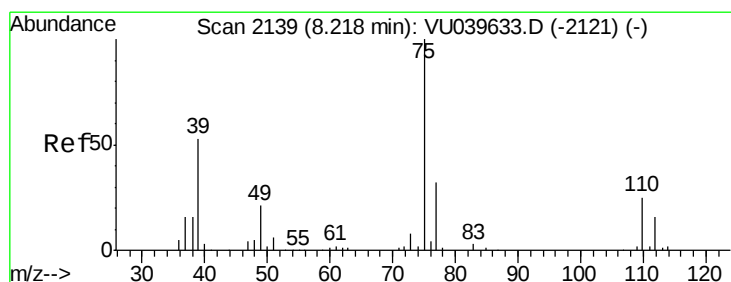
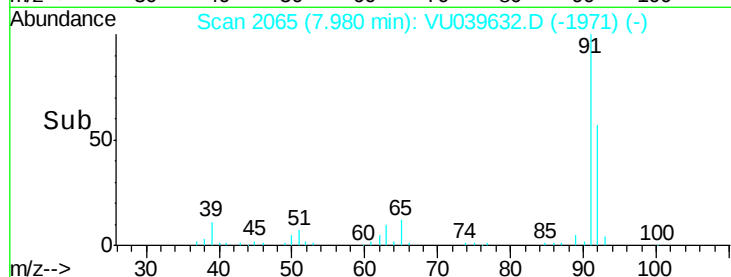
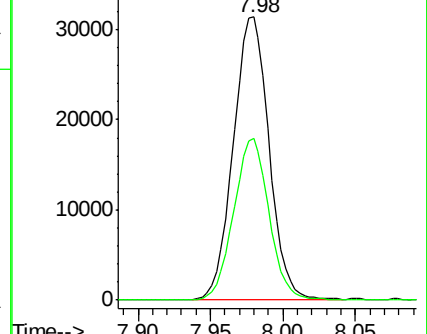
91 100

92 57.0 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU039633.D (-2051) (-)

Ion 92.00 (91.70 to 92.70): VU039633.D (-2051) (-)



#44

trans-1,3-Dichloropropene

Concen: 10.251 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039632.D

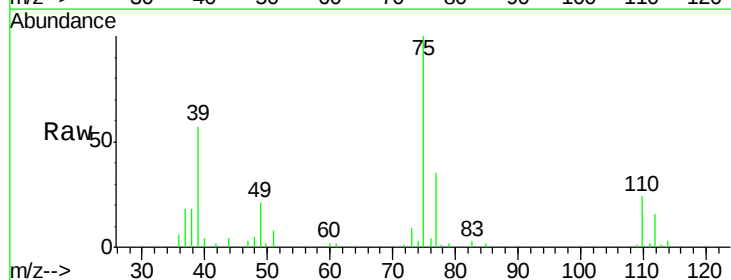
Acq: 23 Jul 2020 11:34

Tgt Ion: 75 Resp: 17916

Ion Ratio Lower Upper

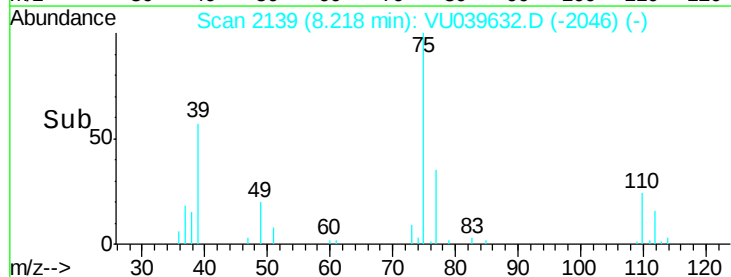
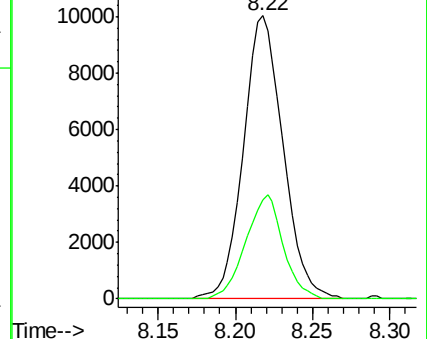
75 100

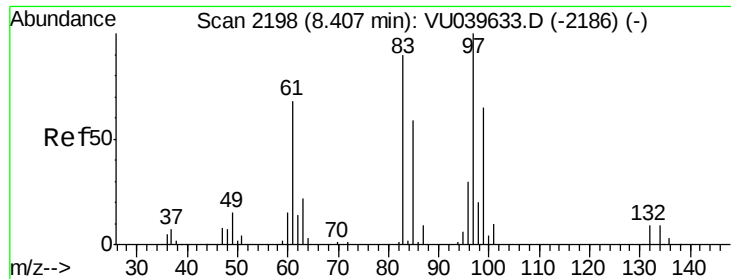
77 35.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039633.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039633.D (-2121) (-)

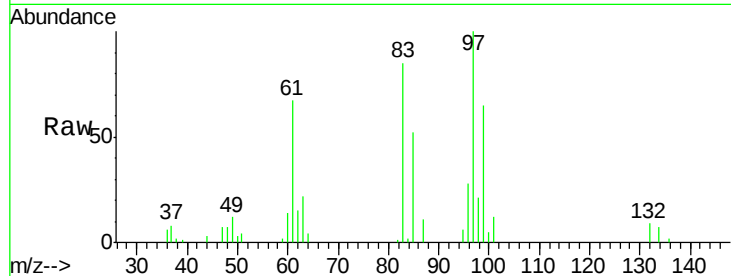




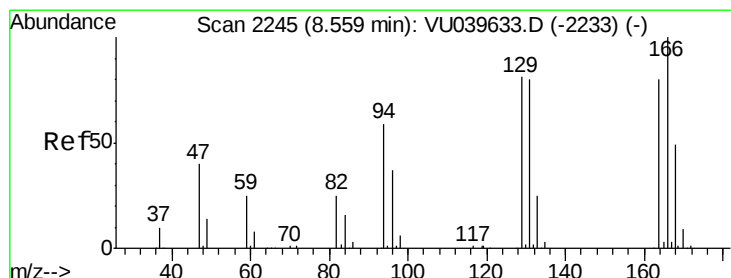
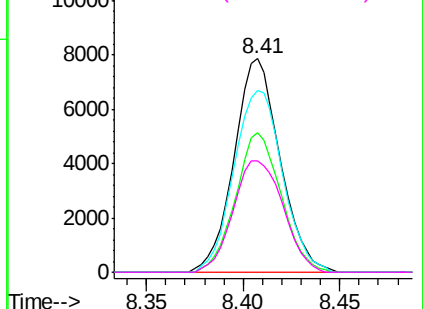
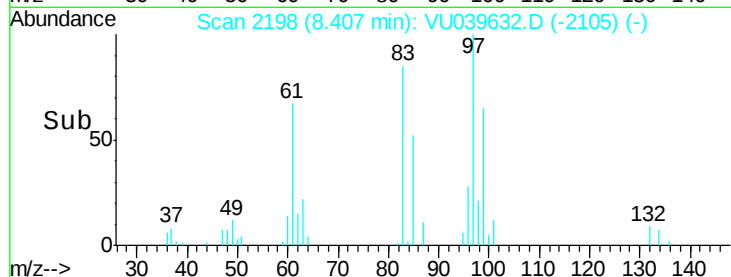
#45
 1,1,2-Trichloroethane
 Concen: 11.494 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:	97	Resp:	13015
Ion	Ratio	Lower	Upper
97	100		
99	65.4	45.1	83.9
83	85.0	62.7	116.5
85	52.2	41.0	76.2

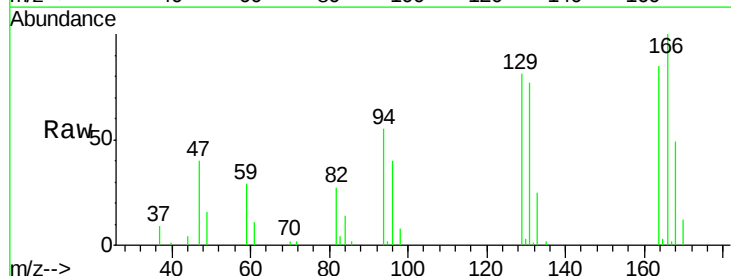


Abundance Ion 97.00 (96.70 to 97.70): VU039632.D (-2195) (-)

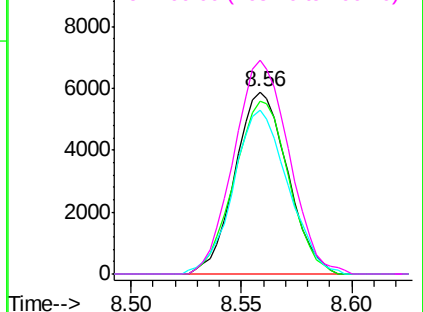
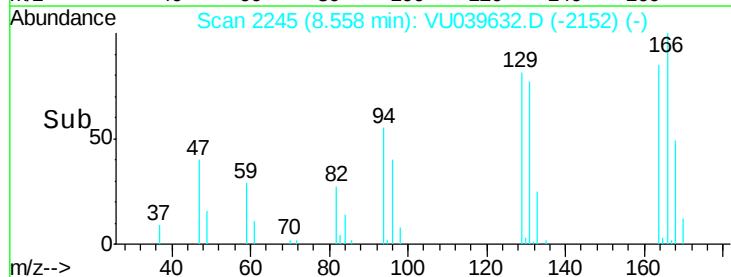


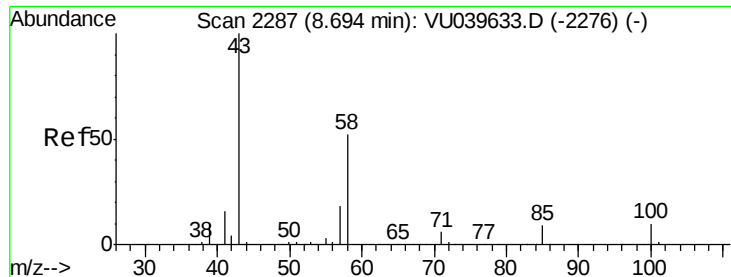
#46
 Tetrachloroethene
 Concen: 11.757 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion:	164	Resp:	9789
Ion	Ratio	Lower	Upper
164	100		
129	94.5	71.1	132.1
131	90.1	70.3	130.5
166	117.2	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039632.D (-2152) (-)

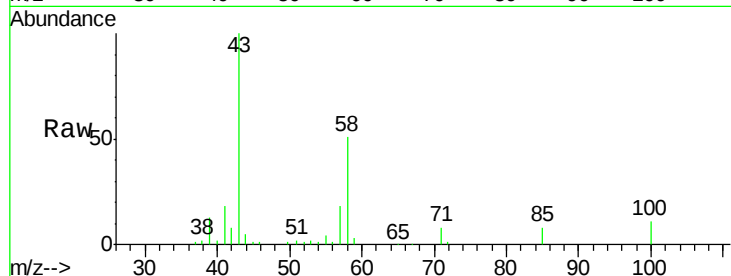




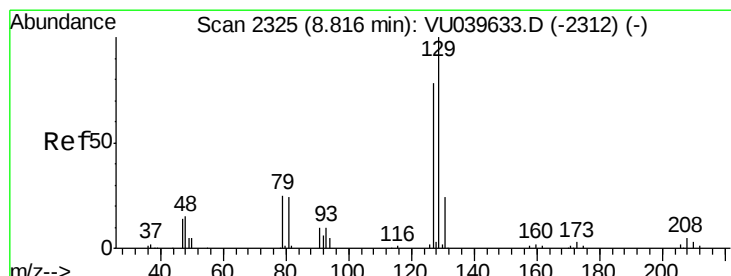
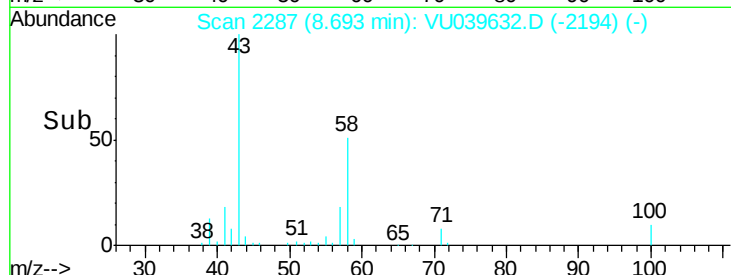
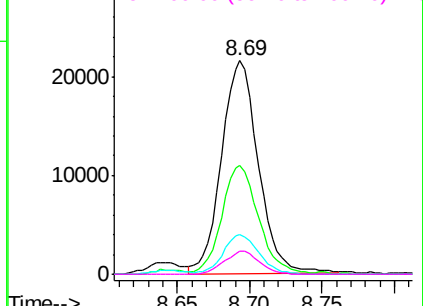
#48
2-Hexanone
Concen: 24.421 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Instrument :
MSVOA_U
ClientSampleId :
VSTD01031

Tgt Ion:	43	Resp:	38295
Ion	Ratio	Lower	Upper
43	100		
58	48.2	40.6	61.0
57	17.9	14.5	21.7
100	10.1	8.0	12.0

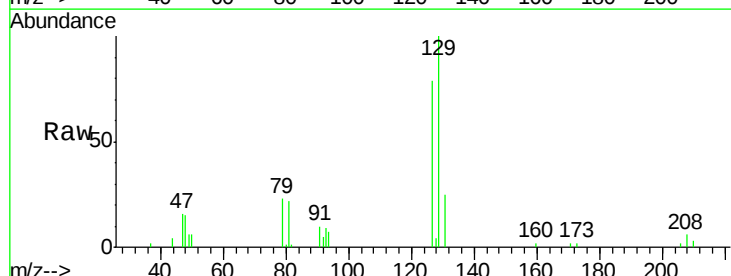


Abundance Ion 43.00 (42.70 to 43.70): VU039633.D (-2276) (-)

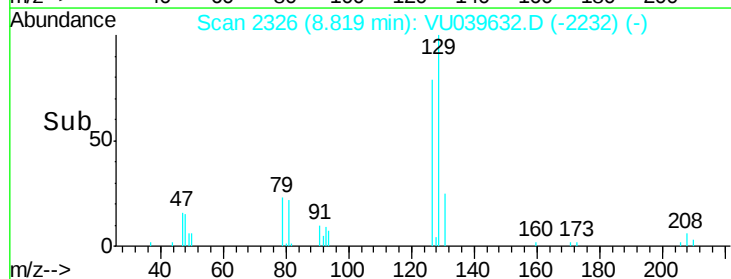
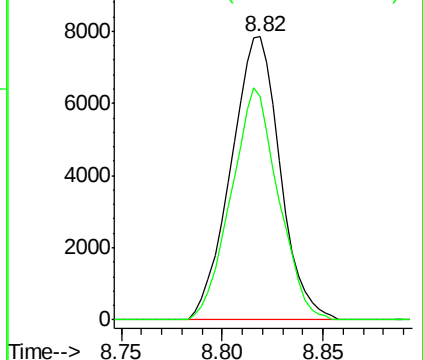


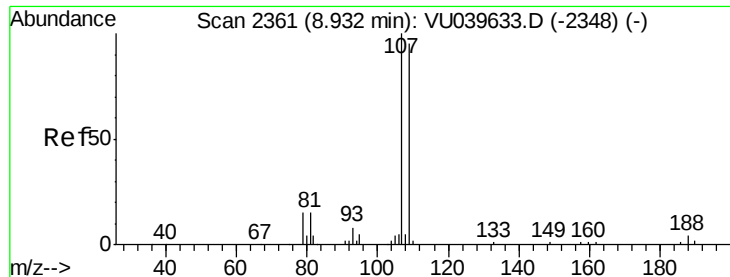
#49
Dibromochloromethane
Concen: 11.319 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039632.D
Acq: 23 Jul 2020 11:34

Tgt Ion:	129	Resp:	13421
Ion	Ratio	Lower	Upper
129	100		
127	78.9	54.3	100.9



Abundance Ion 129.00 (128.70 to 129.70): VU039633.D (-2312) (-)

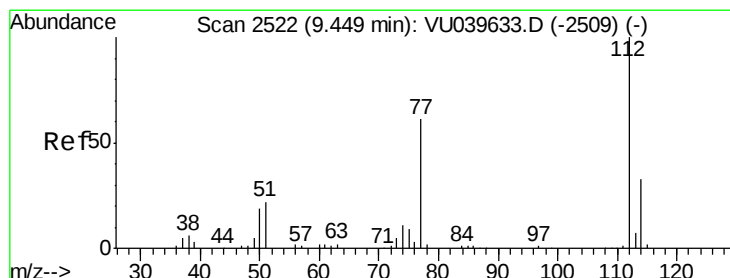
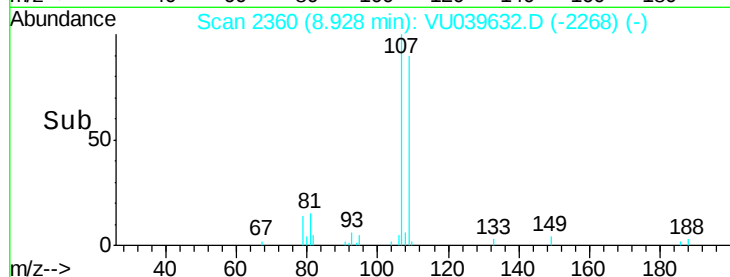
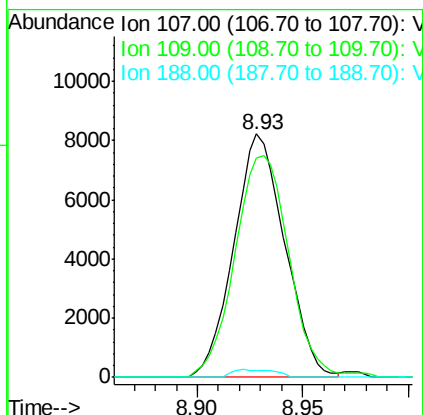
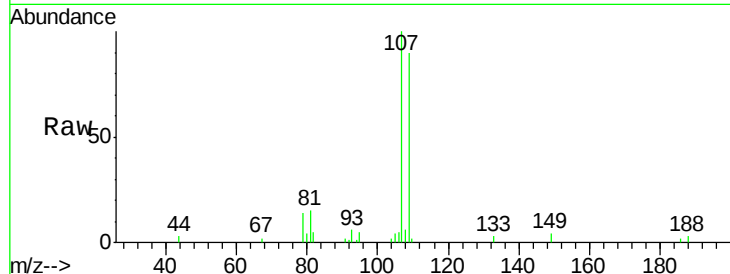




#50
 1,2-Dibromoethane
 Concen: 11.251 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

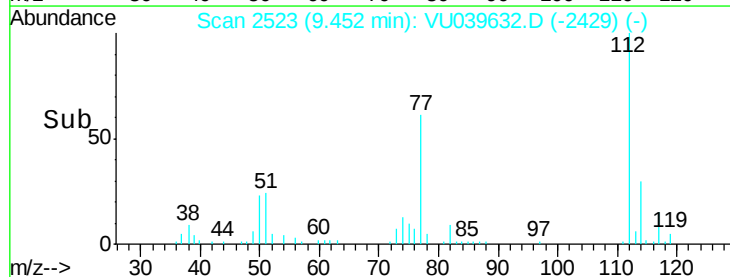
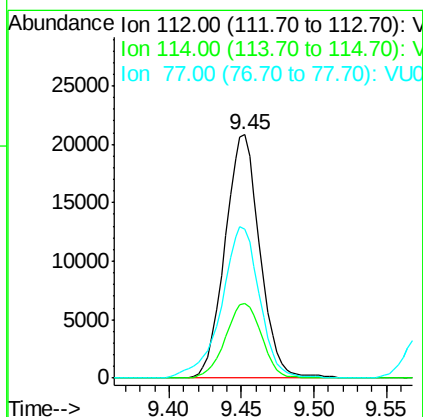
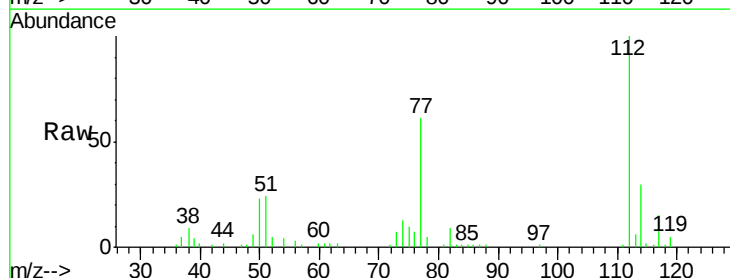
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

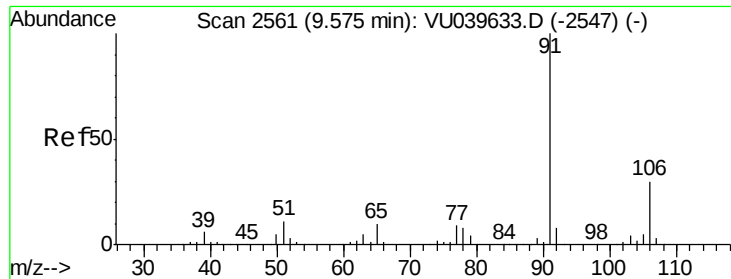
Tgt Ion:107 Resp: 13805
 Ion Ratio Lower Upper
 107 100
 109 89.9 66.8 124.2
 188 2.8 3.0 4.4#



#51
 Chlorobenzene
 Concen: 11.415 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion:112 Resp: 34701
 Ion Ratio Lower Upper
 112 100
 114 30.5 22.9 42.5
 77 61.1 49.4 74.0





#52

Ethylbenzene

Concen: 11.253 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

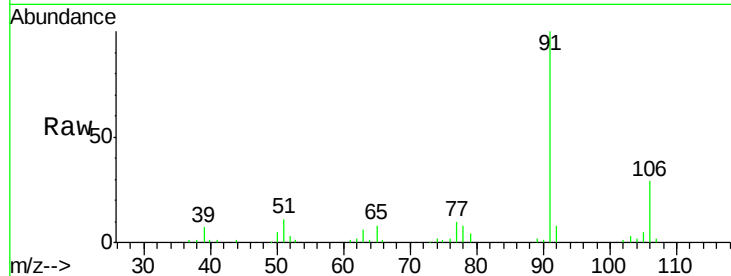
VSTD01031

Tgt Ion: 91 Resp: 58986

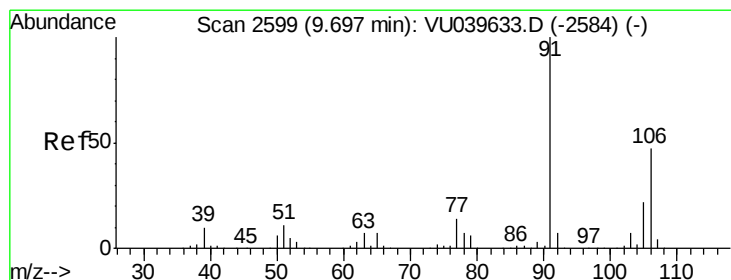
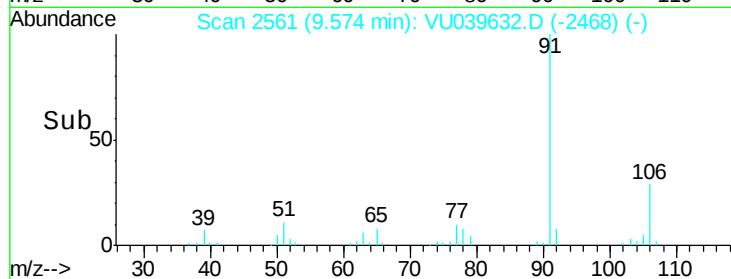
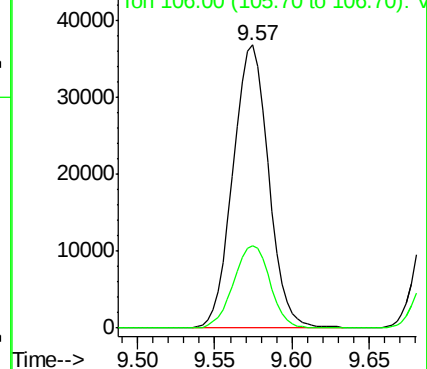
Ion Ratio Lower Upper

91 100

106 29.3 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU039633.D (-2547) (-)



#53

m,p-Xylene

Concen: 10.867 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039632.D

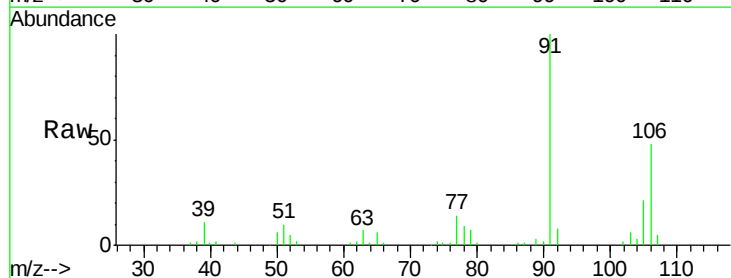
Acq: 23 Jul 2020 11:34

Tgt Ion: 106 Resp: 21749

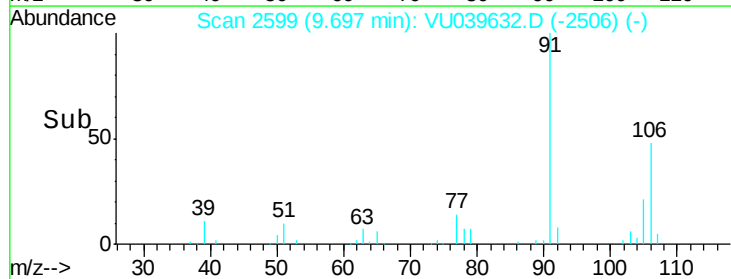
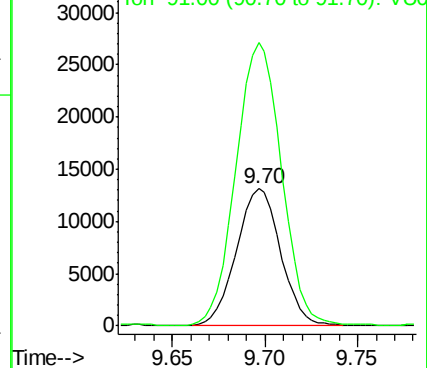
Ion Ratio Lower Upper

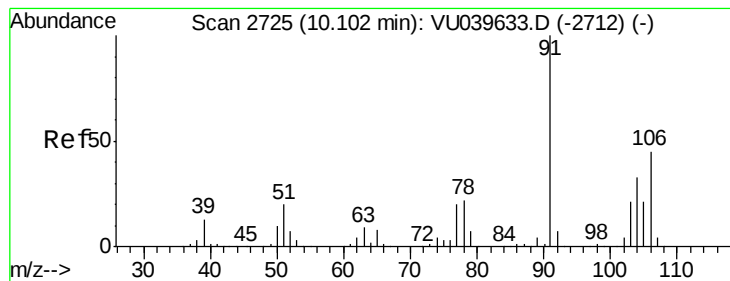
106 100

91 206.5 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039633.D (-2584) (-)





#54

o-xylene

Concen: 10.604 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

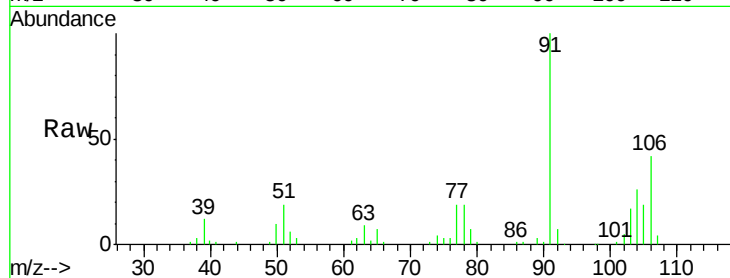
VSTD01031

Tgt Ion:106 Resp: 20642

Ion Ratio Lower Upper

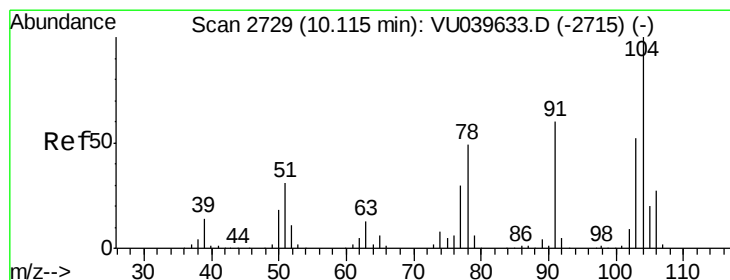
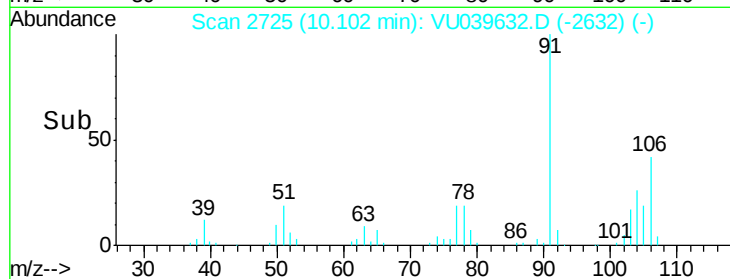
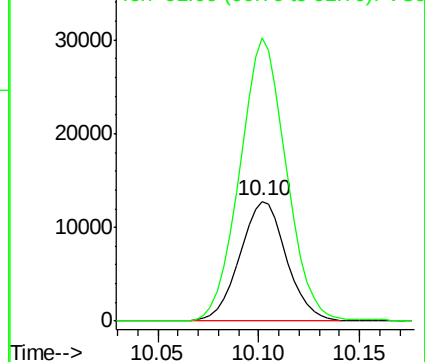
106 100

91 235.8 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 10.471 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039632.D

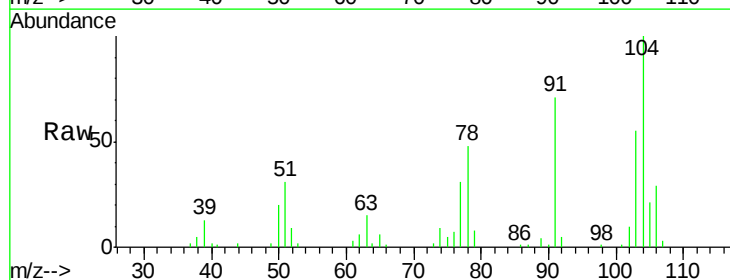
Acq: 23 Jul 2020 11:34

Tgt Ion:104 Resp: 35315

Ion Ratio Lower Upper

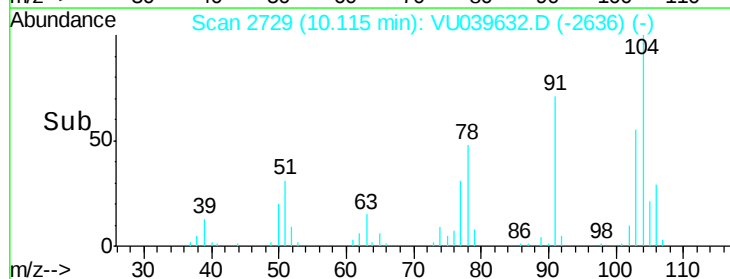
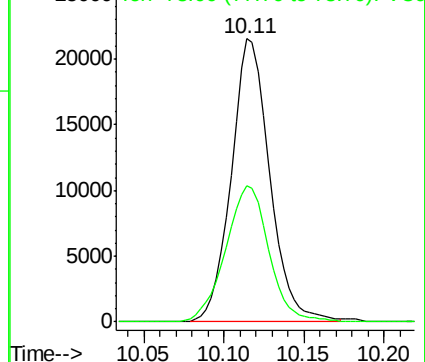
104 100

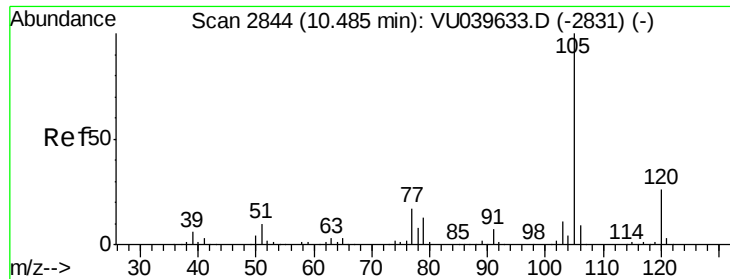
78 48.0 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 11.130 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

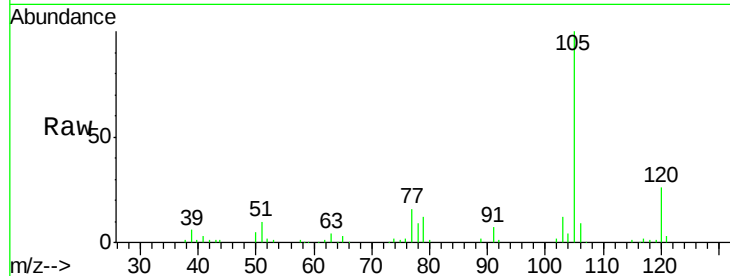
Tgt Ion:105 Resp: 56846

Ion Ratio Lower Upper

105 100

120 25.9 20.6 31.0

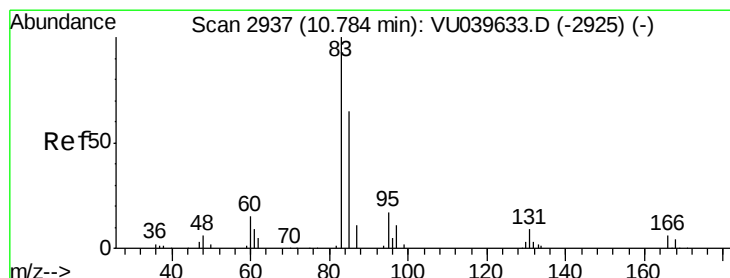
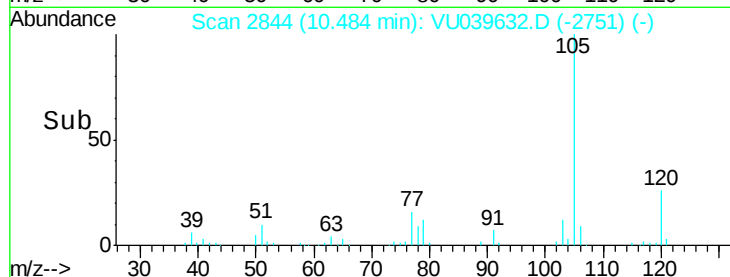
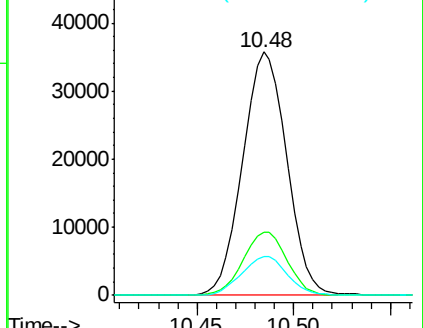
77 16.4 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.906 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

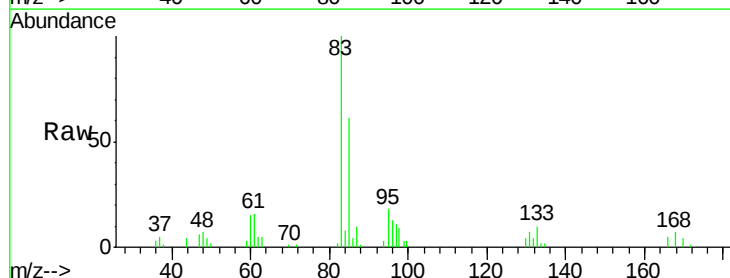
Tgt Ion: 83 Resp: 23324

Ion Ratio Lower Upper

83 100

85 61.0 46.4 86.2

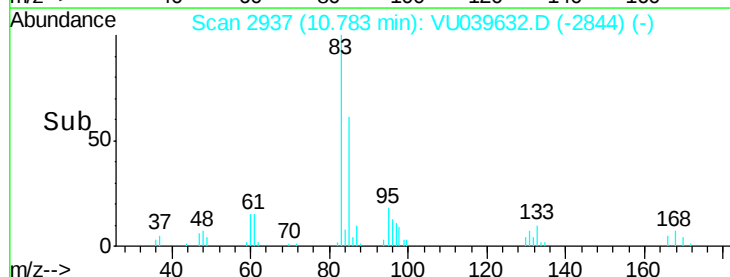
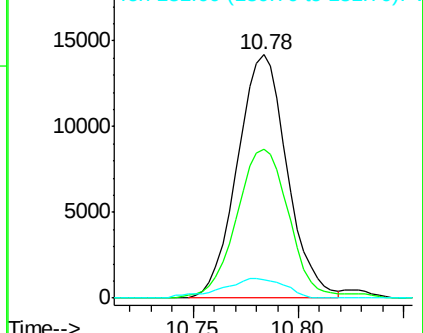
131 7.5 7.8 11.6#

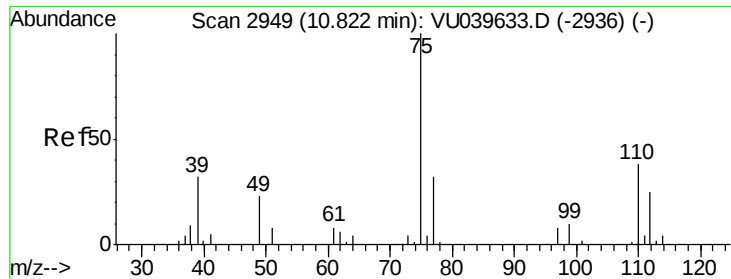


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V

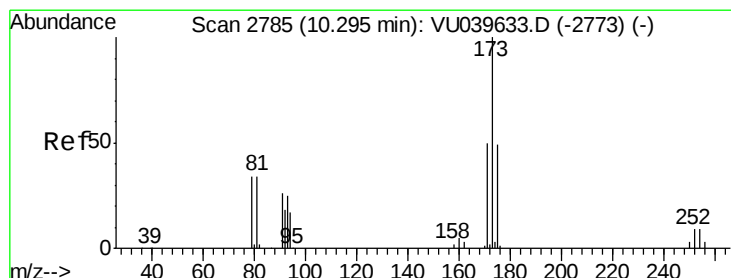
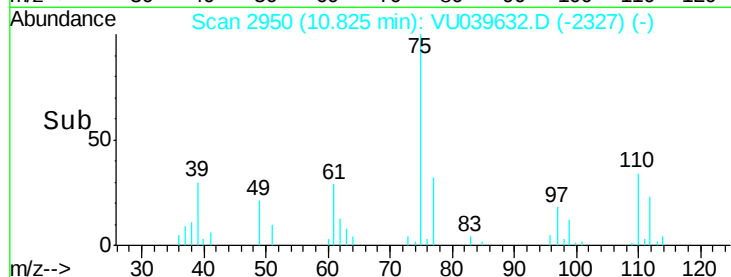
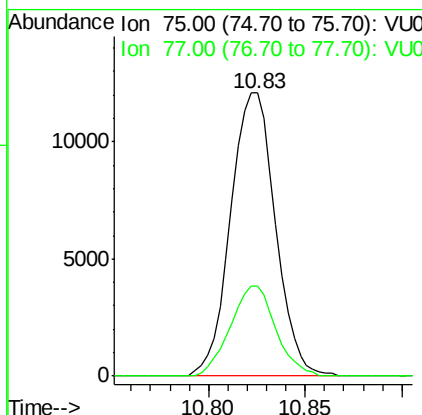
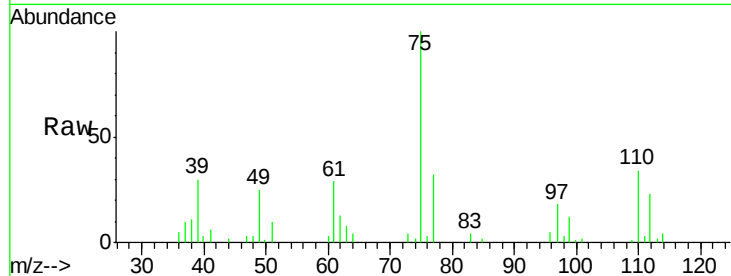




#59
 1,2,3-Trichloropropane
 Concen: 11.731 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

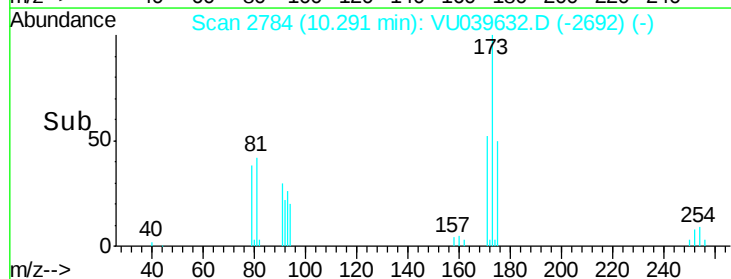
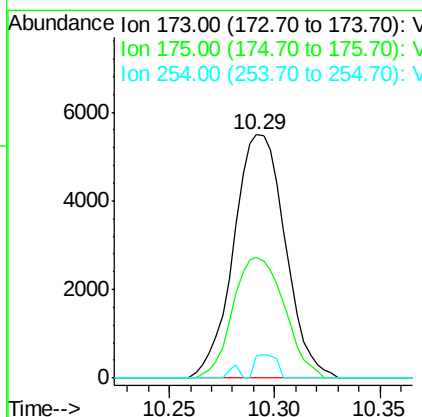
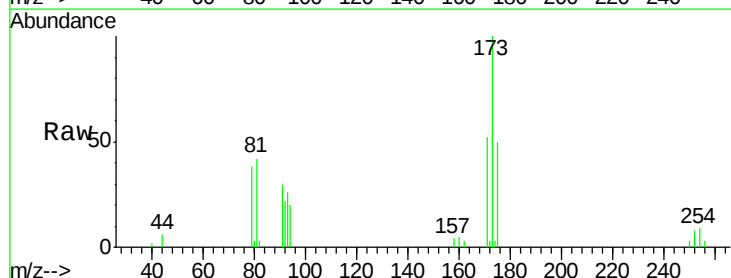
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

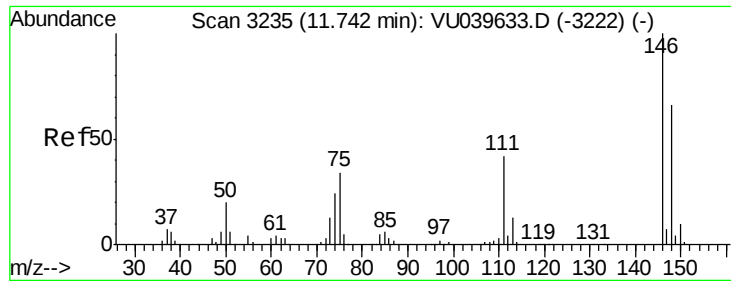
Tgt Ion: 75 Resp: 19500
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#61
 Bromoform
 Concen: 11.650 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion: 173 Resp: 9345
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.4 57.6
 254 4.1 7.0 10.6#

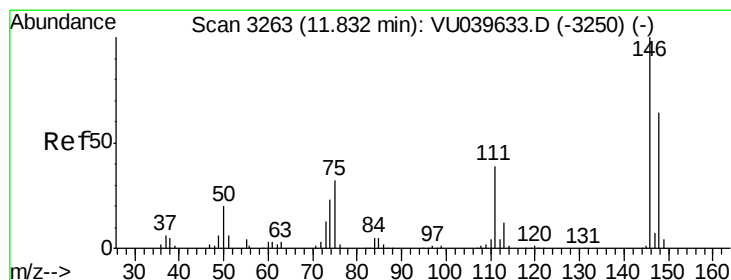
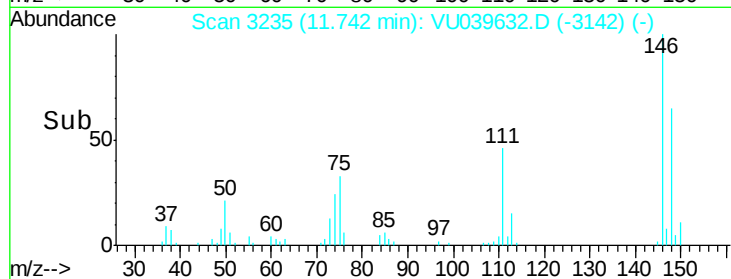
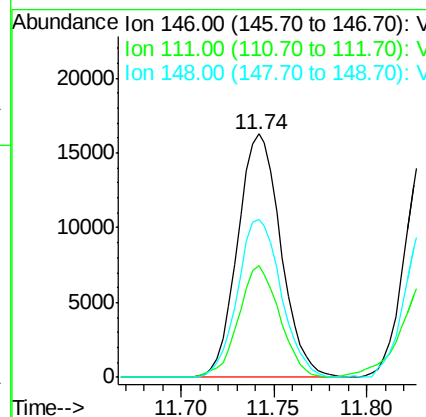
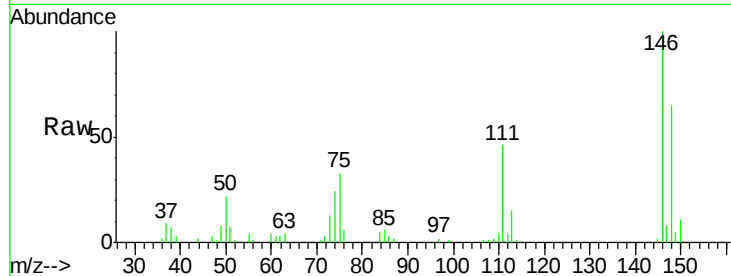




#62
 1,3-Dichlorobenzene
 Concen: 11.895 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

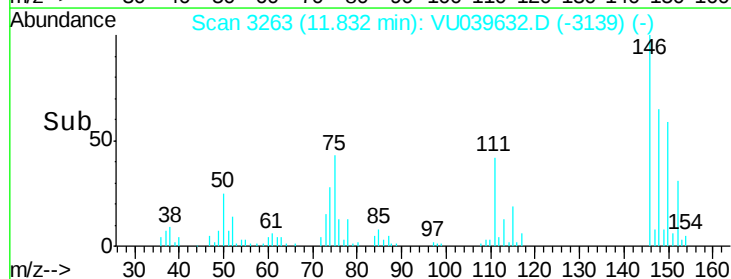
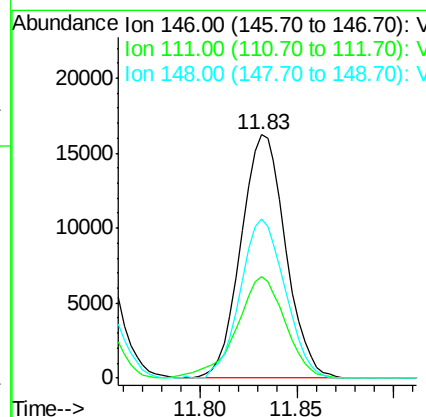
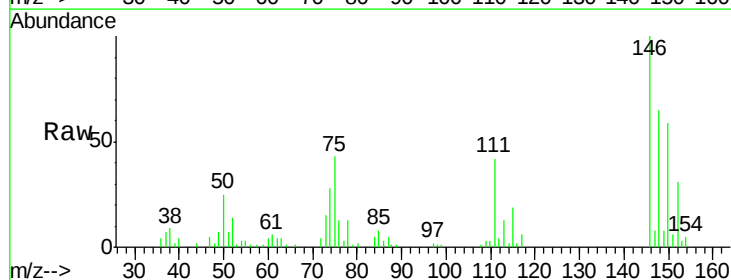
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

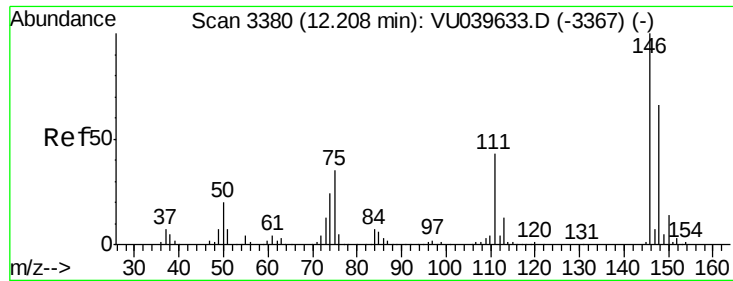
Tgt Ion:146 Resp: 26323
 Ion Ratio Lower Upper
 146 100
 111 46.0 29.3 54.3
 148 64.9 46.1 85.5



#63
 1,4-Dichlorobenzene
 Concen: 11.653 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion:146 Resp: 26050
 Ion Ratio Lower Upper
 146 100
 111 41.6 27.8 51.6
 148 65.4 44.7 83.1





#65

1,2-Dichlorobenzene

Concen: 11.811 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

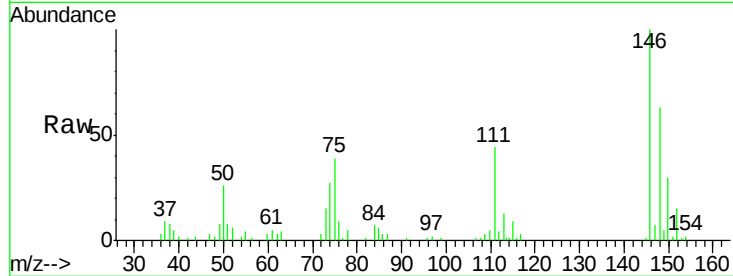
Tgt Ion:146 Resp: 26118

Ion Ratio Lower Upper

146 100

111 44.5 34.8 52.2

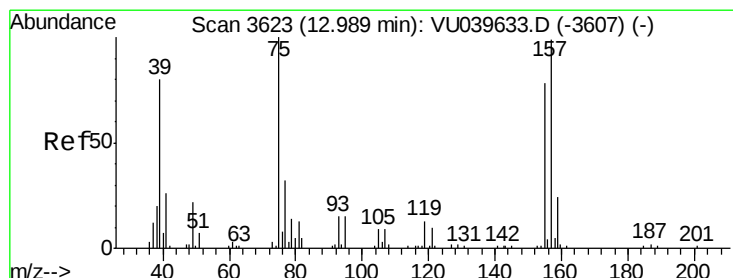
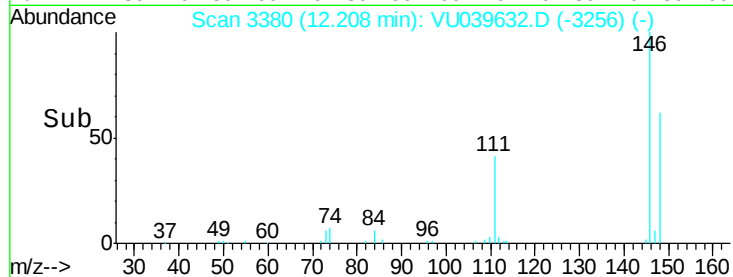
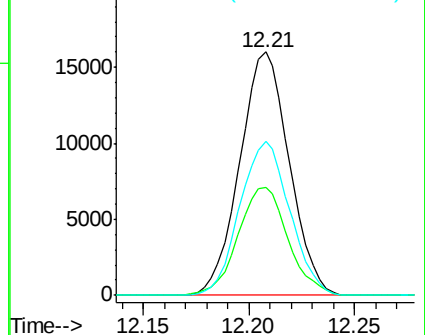
148 63.4 52.5 78.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.574 ug/L

RT: 12.99 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

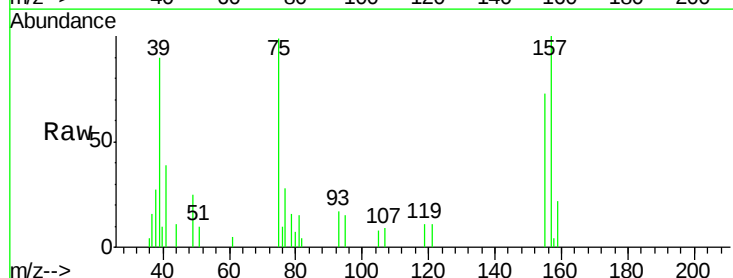
Tgt Ion: 75 Resp: 4893

Ion Ratio Lower Upper

75 100

155 73.4 62.4 93.6

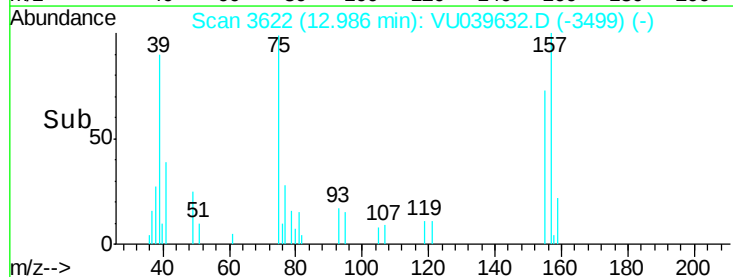
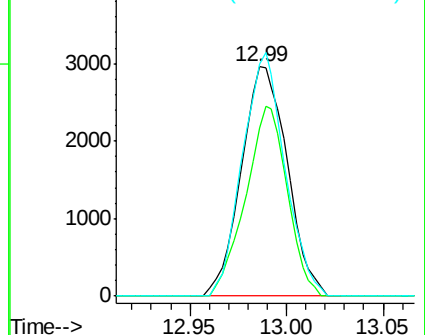
157 101.0 78.9 118.3

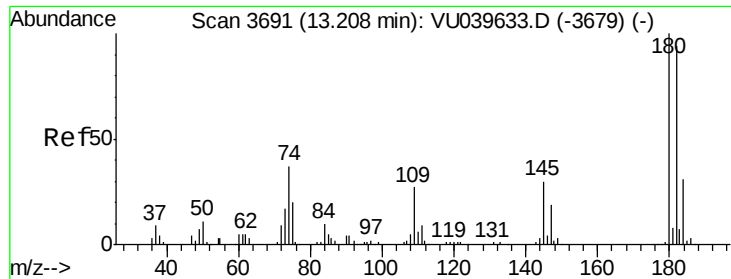


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

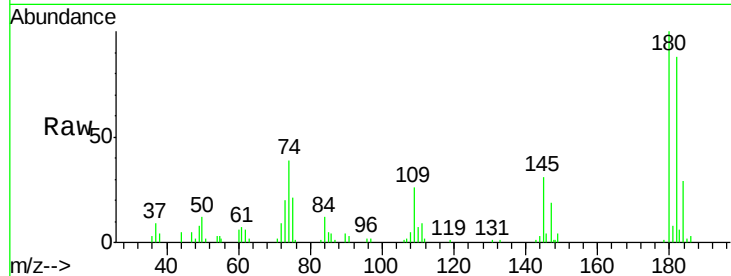




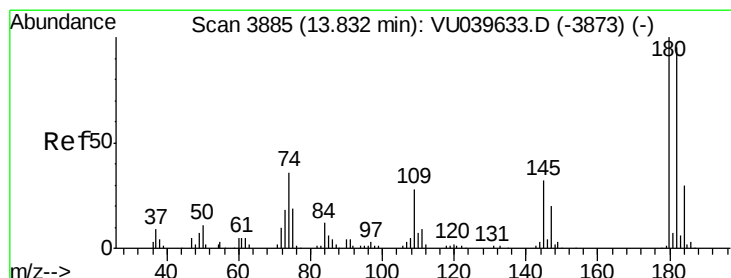
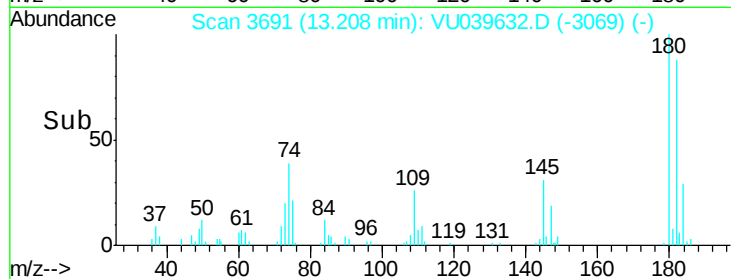
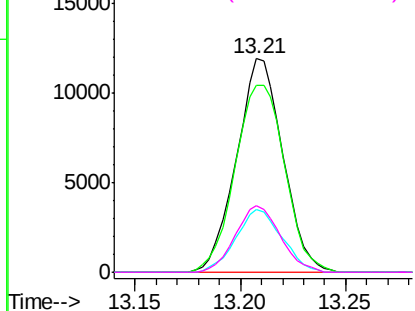
#67
 1,3,5-Trichlorobenzene
 Concen: 11.406 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01031

Tgt Ion:180 Resp: 18186
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.7 113.5
 184 29.1 24.2 36.2
 145 30.3 24.6 36.8

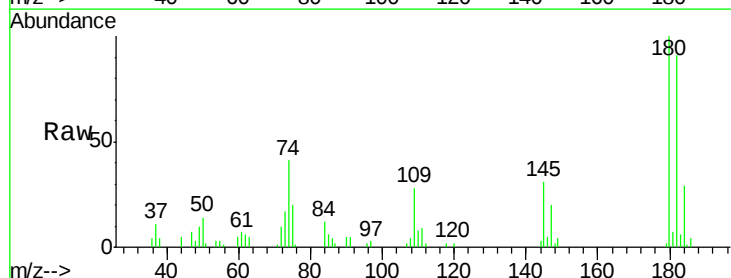


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

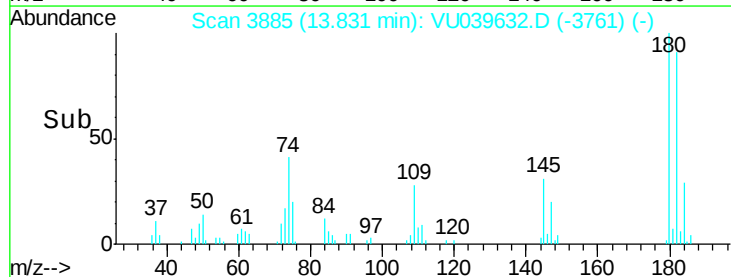
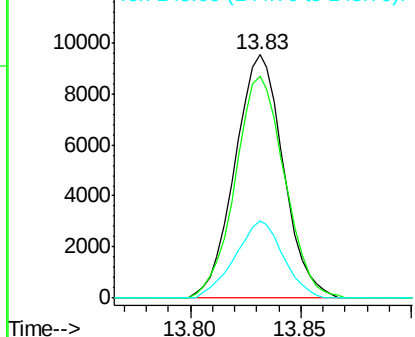


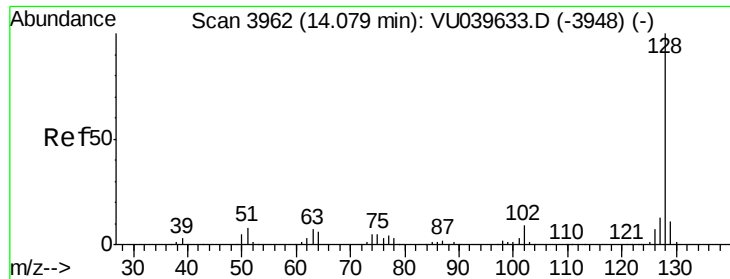
#68
 1,2,4-trichlorobenzene
 Concen: 9.791 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039632.D
 Acq: 23 Jul 2020 11:34

Tgt Ion:180 Resp: 14581
 Ion Ratio Lower Upper
 180 100
 182 92.6 74.4 111.6
 145 31.5 24.8 37.2



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





#69

Naphthalene

Concen: 7.836 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

Instrument :

MSVOA_U

ClientSampleId :

VSTD01031

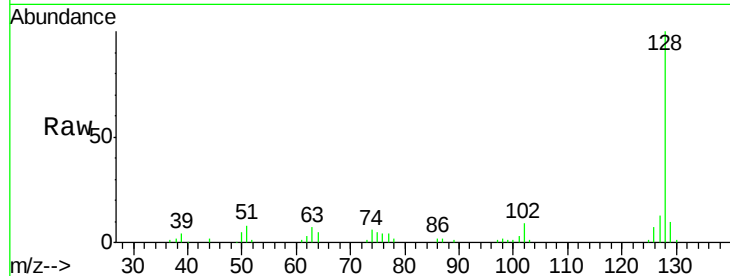
Tgt Ion:128 Resp: 39954

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

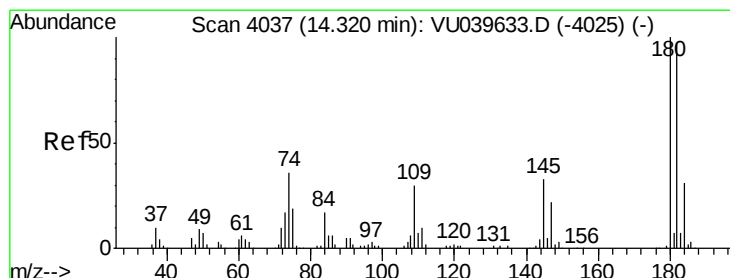
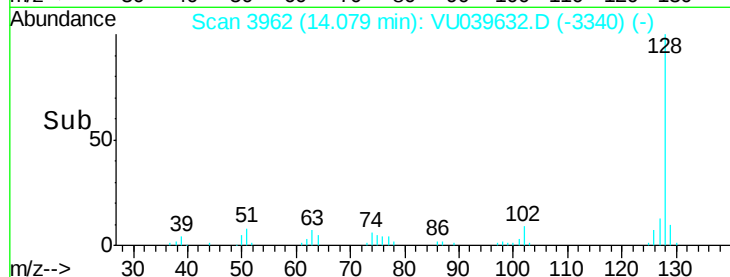
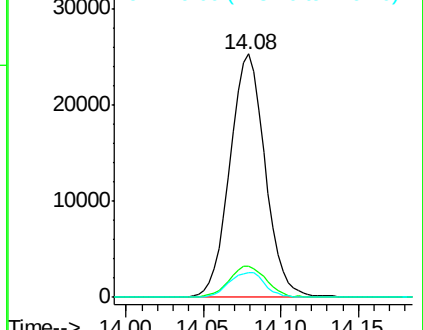
129 10.4 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 9.857 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039632.D

Acq: 23 Jul 2020 11:34

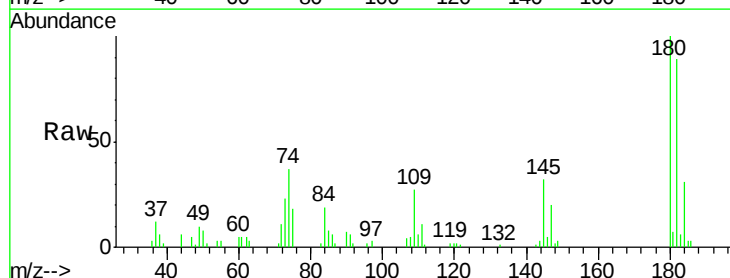
Tgt Ion:180 Resp: 14569

Ion Ratio Lower Upper

180 100

182 94.0 76.6 114.8

145 33.7 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

