

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083120\
 Data File : VU040007.D
 Acq On : 31 Aug 2020 16:02
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Sep 01 01:43:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 31 18:16:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119198	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116585	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	56475	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	32232	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.92	69	28829	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.40%
11) 1,1-Dichloroethene-d2	2.58	63	86853	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	4.66	46	134536	51.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.36%
24) Chloroform-d	5.08	84	74465	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.72	65	46874	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.74	84	143006	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	46637	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.91	98	129496	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
43) trans-1,3-Dichloropropene-	8.19	79	21051	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.64	63	101248	51.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40044	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	46750	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	55898	4.725	ug/L 99
3) Chloromethane	1.53	50	56500	4.989	ug/L 100
5) Vinyl chloride	1.61	62	54785	4.771	ug/L 100
6) Bromomethane	1.87	94	31061	5.293	ug/L 97
8) Chloroethane	1.94	64	34169	4.952	ug/L 98
9) Trichlorofluoromethane	2.15	101	81336	4.945	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	50793	4.764	ug/L 99
12) 1,1-Dichloroethene	2.59	96	45872	4.973	ug/L 96
13) Acetone	2.67	43	113722	47.192	ug/L 96
14) Carbon disulfide	2.81	76	139905	4.730	ug/L 99
15) Methyl Acetate	2.98	43	25827	4.270	ug/L 98
16) Methylene chloride	3.06	84	56454	4.673	ug/L 97
17) Methyl tert-butyl Ether	3.38	73	130823	4.705	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	47228	4.760	ug/L 96
19) 1,1-Dichloroethane	3.89	63	100429	4.917	ug/L 98
21) 2-Butanone	4.75	43	184221	46.826	ug/L 98
22) cis-1,2-Dichloroethene	4.69	96	52917	4.959	ug/L 98

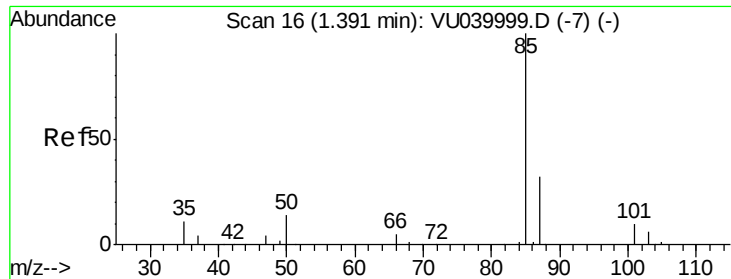
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083120\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	22647	4.844	ug/L	90
25) Chloroform	5.11	83	106600	5.096	ug/L	98
27) 1,2-Dichloroethane	5.81	62	72752	4.747	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	88862	4.854	ug/L	98
30) Cyclohexane	5.40	56	86030	4.846	ug/L	99
31) Carbon tetrachloride	5.54	117	74320	4.744	ug/L	96
33) Benzene	5.79	78	205481	4.927	ug/L	100
34) Trichloroethene	6.55	95	52026	4.650	ug/L	98
35) Methylcyclohexane	6.77	83	80845	4.719	ug/L	99
37) 1,2-Dichloropropane	6.80	63	56930	5.041	ug/L	99
38) Bromodichloromethane	7.12	83	74484	4.831	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	80120	4.810	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	439429	47.423	ug/L	99
42) Toluene	7.98	91	212661	4.951	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	73073	4.735	ug/L	99
45) 1,1,2-Trichloroethane	8.41	97	39355	4.784	ug/L	97
47) Tetrachloroethene	8.56	164	35227	4.794	ug/L	97
48) 2-Hexanone	8.69	43	322463	47.709	ug/L	100
49) Dibromochloromethane	8.82	129	46697	4.729	ug/L	100
50) 1,2-Dibromoethane	8.93	107	37291	4.701	ug/L	95
51) Chlorobenzene	9.45	112	132127	4.955	ug/L	98
52) Ethylbenzene	9.57	91	236373	4.843	ug/L	98
53) m,p-Xylene	9.69	106	85699	4.932	ug/L	99
54) o-Xylene	10.10	106	82280	4.969	ug/L	99
55) Styrene	10.11	104	147487	5.122	ug/L	99
56) Isopropylbenzene	10.48	105	230594	5.107	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	49109	4.655	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	38905	4.650	ug/L	97
61) Bromoform	10.29	173	24227	4.677	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	98975	4.795	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	100582	4.816	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	94893	4.751	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9284	4.346	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	67595	4.657	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59435	4.754	ug/L	99
69) Naphthalene	14.08	128	120770	4.635	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	54039	4.706	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.725 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

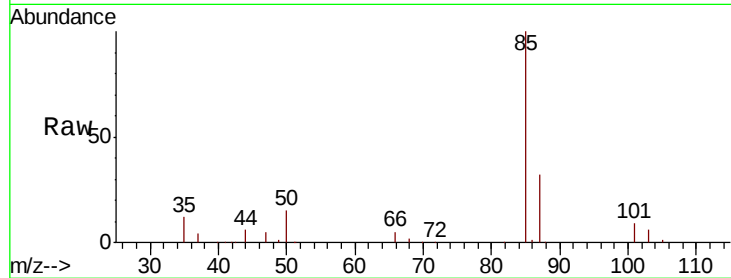
VSTD00515

Tot Ion: 85 Resp: 55898

Ion Ratio Lower Upper

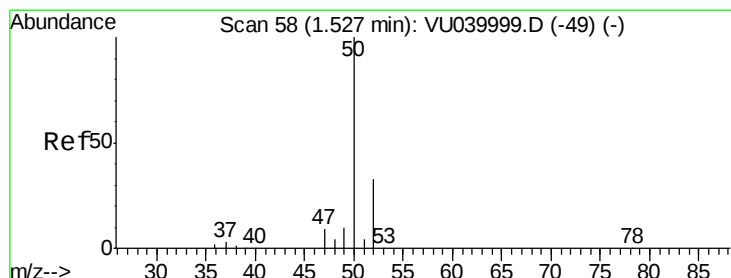
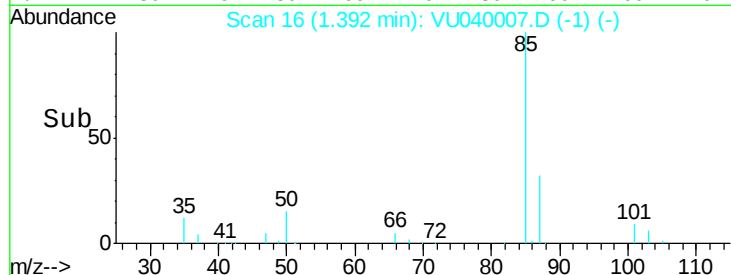
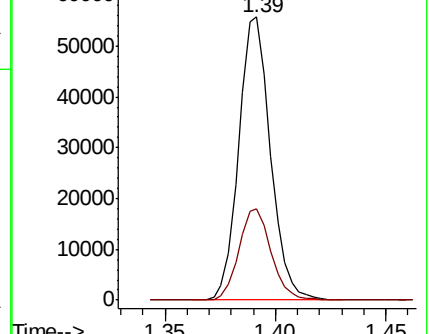
85 100

87 32.8 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.989 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040007.D

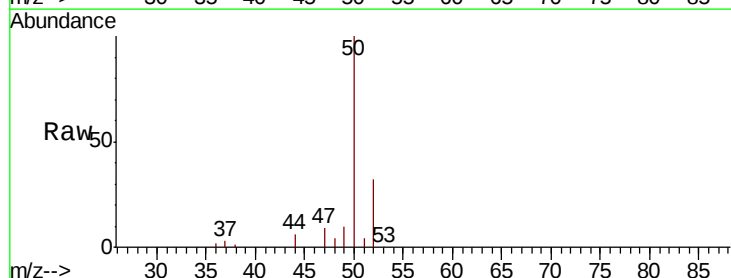
Acq: 31 Aug 2020 16:02

Tgt Ion: 50 Resp: 56500

Ion Ratio Lower Upper

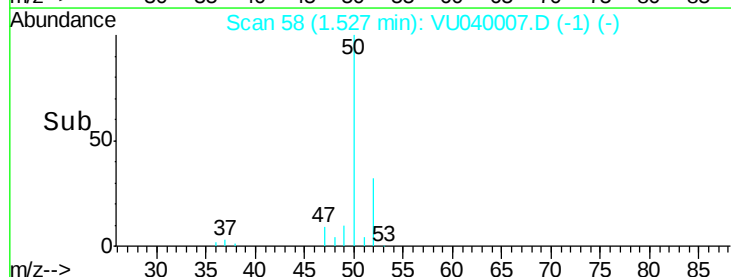
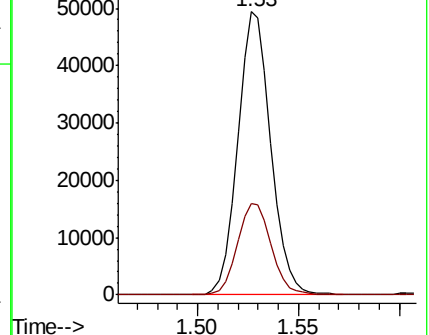
50 100

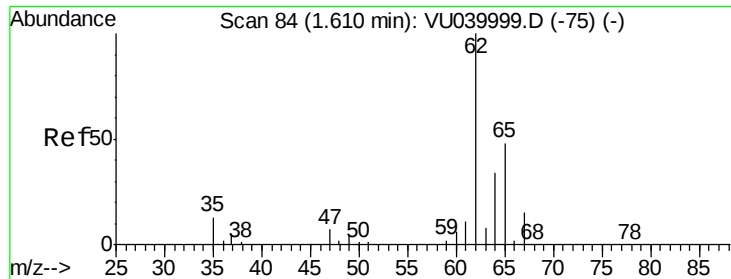
52 32.5 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.771 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

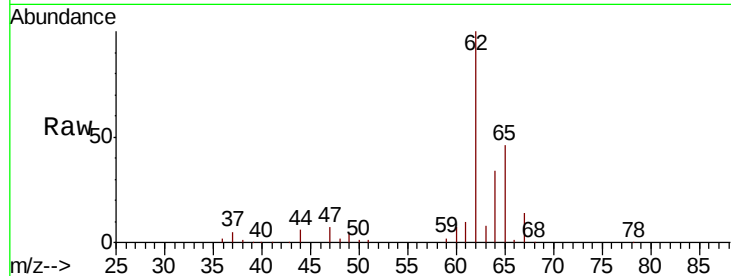
VSTD00515

Tot Ion: 62 Resp: 54785

Ion Ratio Lower Upper

62 100

64 33.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

50000

40000

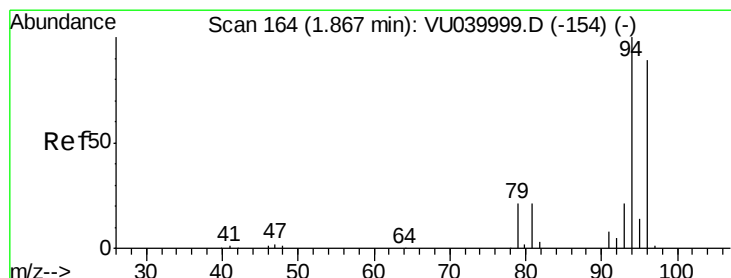
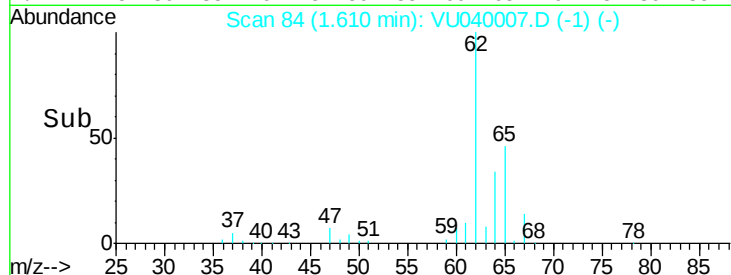
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 5.293 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040007.D

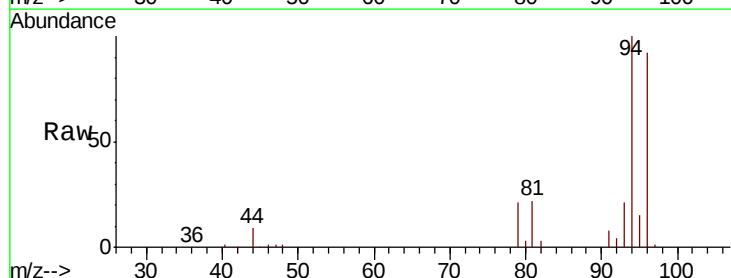
Acq: 31 Aug 2020 16:02

Tgt Ion: 94 Resp: 31061

Ion Ratio Lower Upper

94 100

96 91.7 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.87

25000

20000

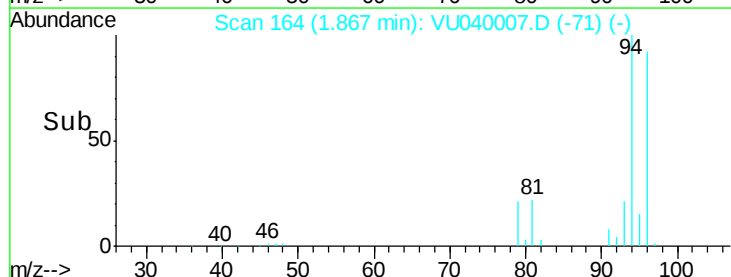
15000

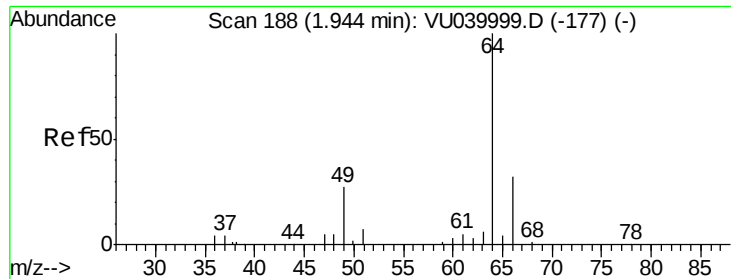
10000

5000

0

Time--> 1.80 1.85 1.90 1.95





#8

Chloroethane

Concen: 4.952 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

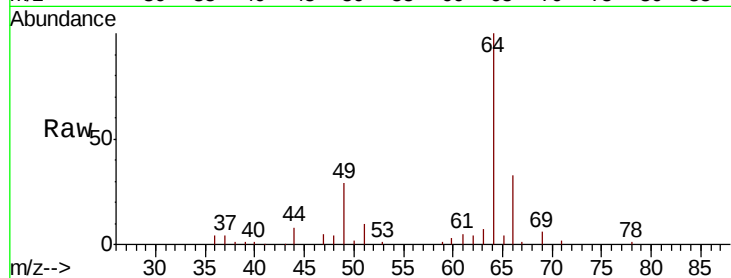
VSTD00515

Tot Ion: 64 Resp: 34169

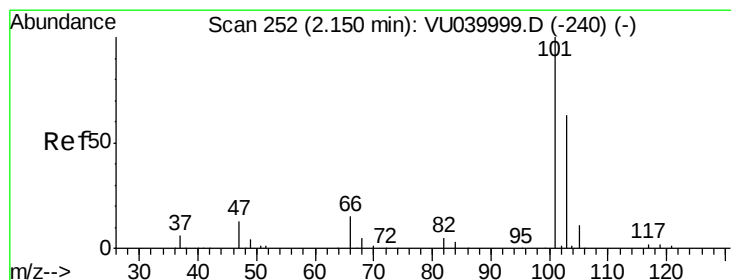
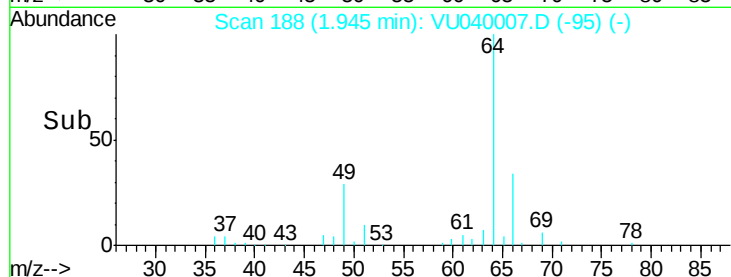
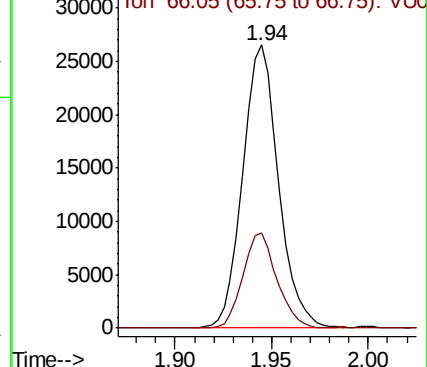
Ion Ratio Lower Upper

64 100

66 33.5 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040007.D (-177) (-)



#9

Trichlorofluoromethane

Concen: 4.945 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040007.D

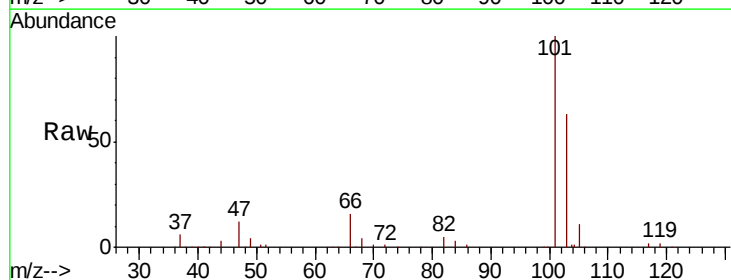
Acq: 31 Aug 2020 16:02

Tgt Ion:101 Resp: 81336

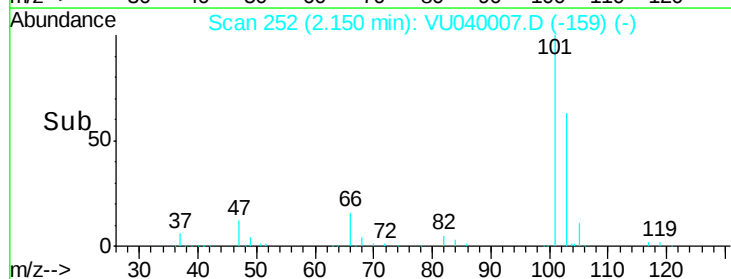
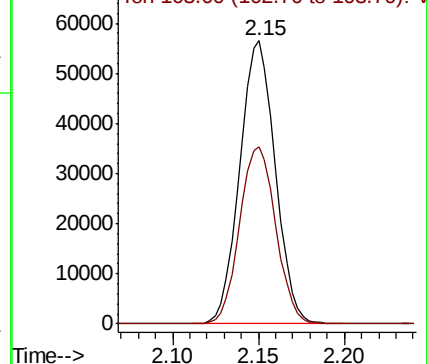
Ion Ratio Lower Upper

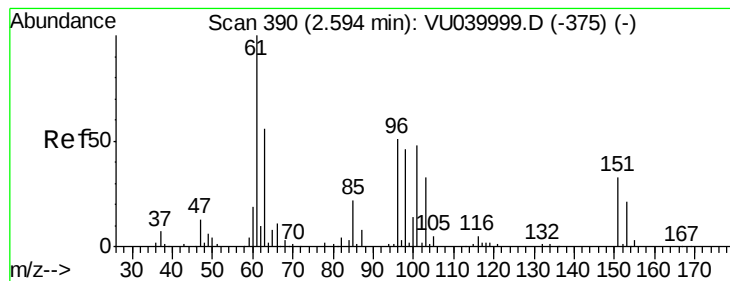
101 100

103 63.8 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040007.D (-240) (-)





#10

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

Concen: 4.764 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

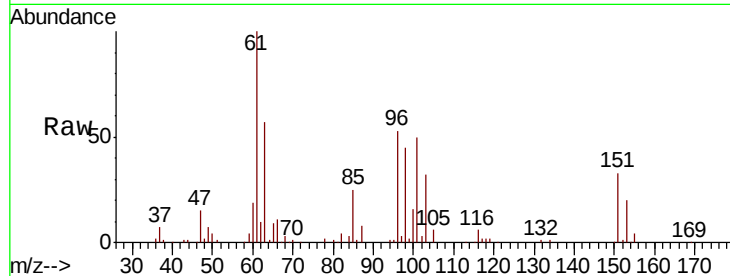
Tot Ion:101 Resp: 50793

Ion Ratio Lower Upper

101 100

85 47.6 37.7 56.5

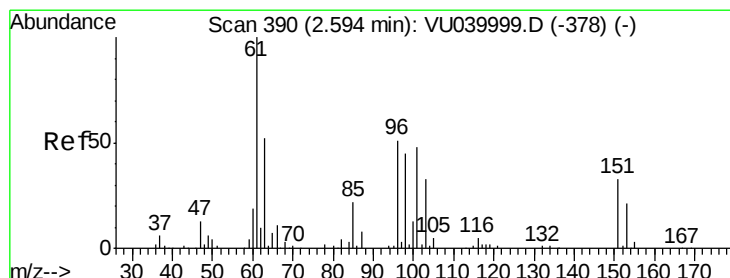
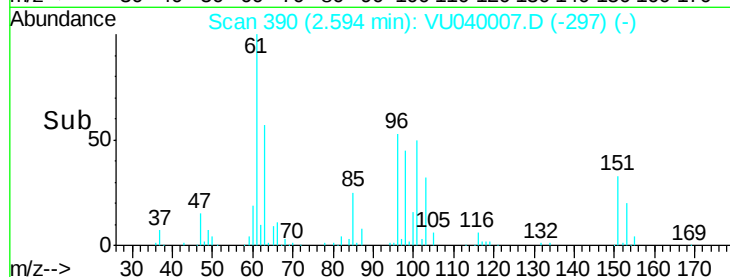
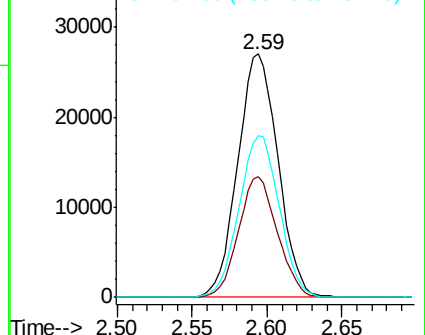
151 66.2 53.9 80.9



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: 4.973 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

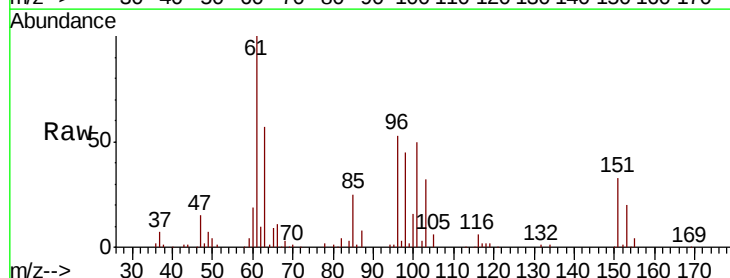
Tgt Ion: 96 Resp: 45872

Ion Ratio Lower Upper

96 100

61 190.2 138.3 256.8

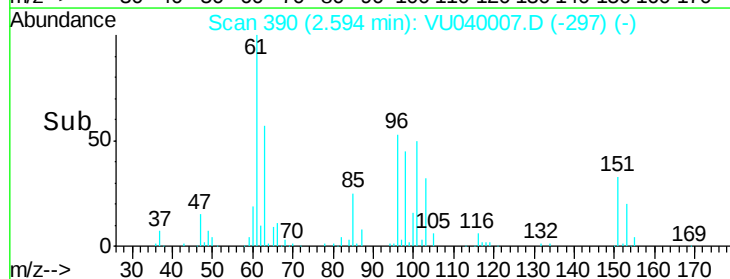
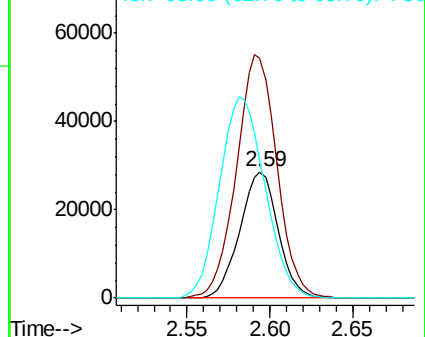
63 108.8 77.6 144.2

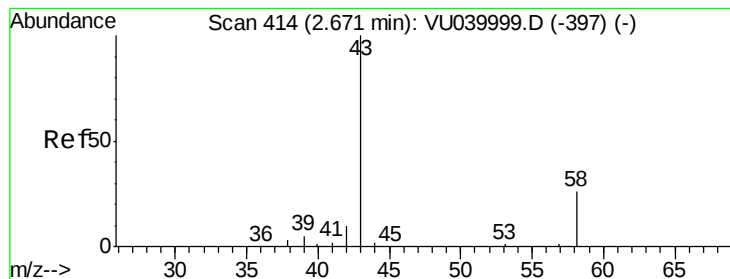


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.192 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

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ClientSampleId :

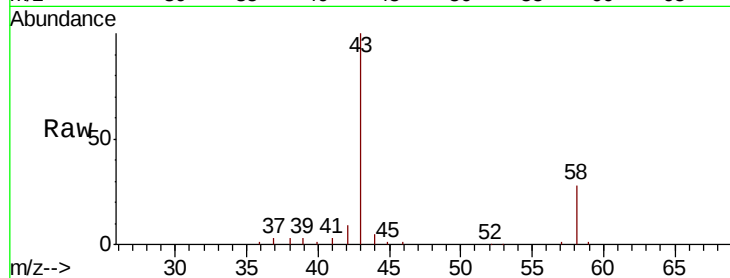
VSTD00515

Tot Ion: 43 Resp: 113722

Ion Ratio Lower Upper

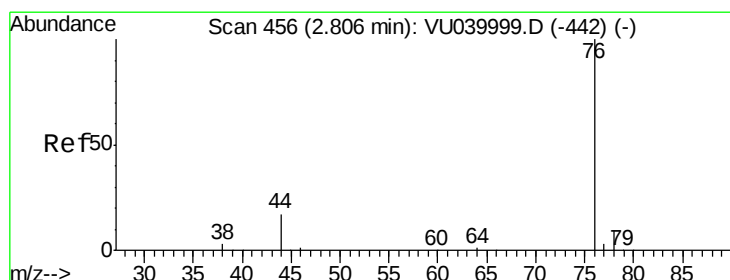
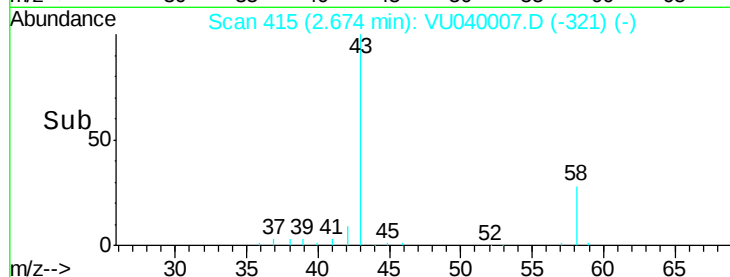
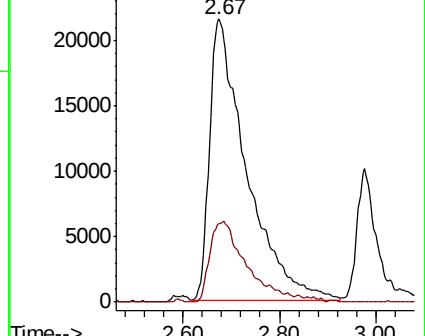
43 100

58 25.5 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.730 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040007.D

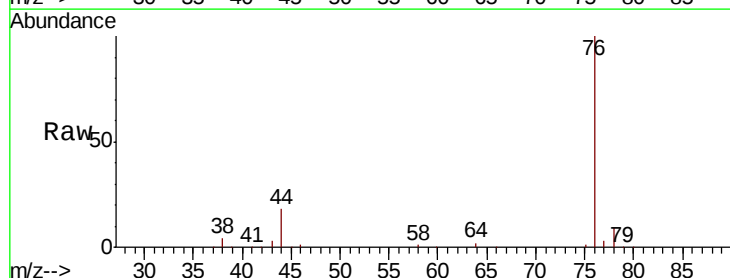
Acq: 31 Aug 2020 16:02

Tgt Ion: 76 Resp: 139905

Ion Ratio Lower Upper

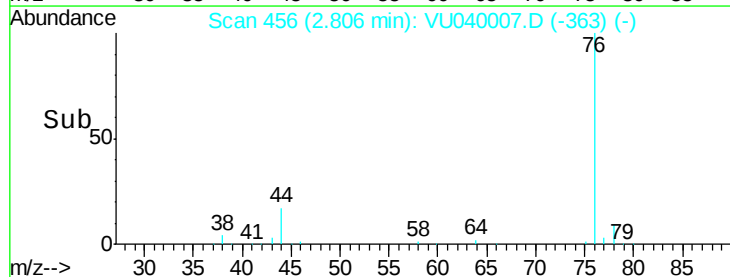
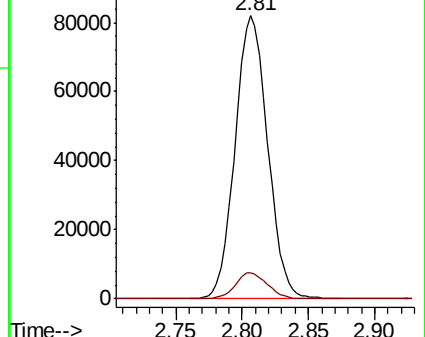
76 100

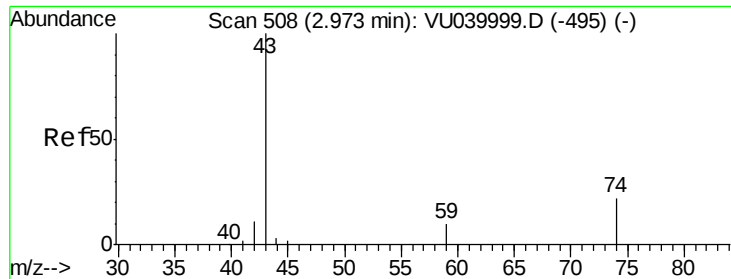
78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methyl Acetate

Concen: 4.270 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

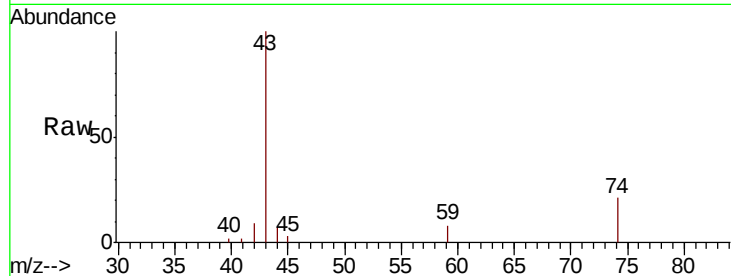
VSTD00515

Tot Ion: 43 Resp: 25827

Ion Ratio Lower Upper

43 100

74 20.6 17.4 26.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

12000

10000

8000

6000

4000

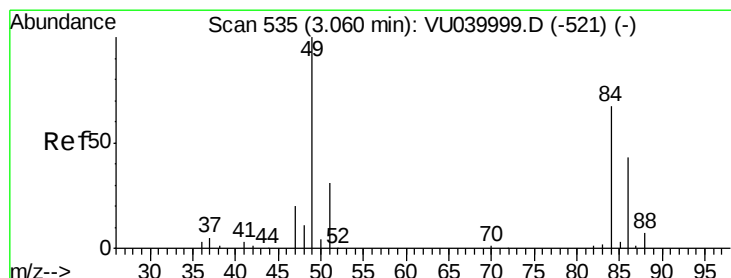
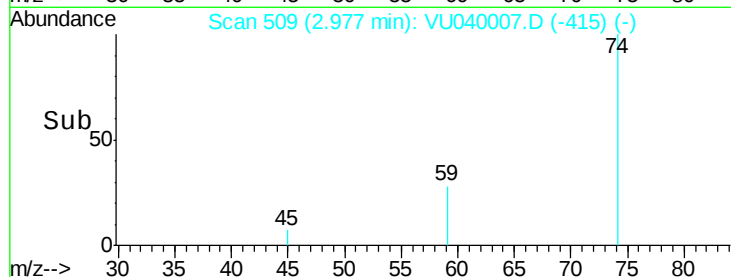
2000

0

Time-->

2.90 2.95 3.00 3.05

2.98



#16

Methylene chloride

Concen: 4.673 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

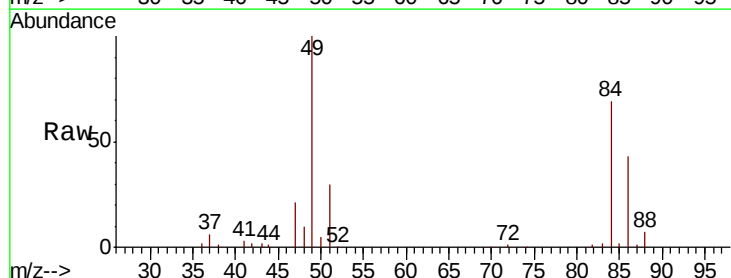
Tgt Ion: 84 Resp: 56454

Ion Ratio Lower Upper

84 100

86 62.2 45.2 84.0

49 144.9 104.0 193.2



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

60000

50000

40000

30000

20000

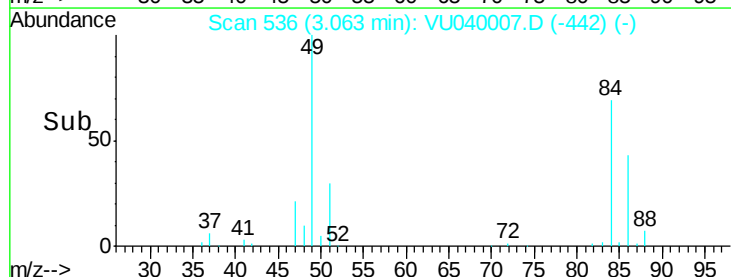
10000

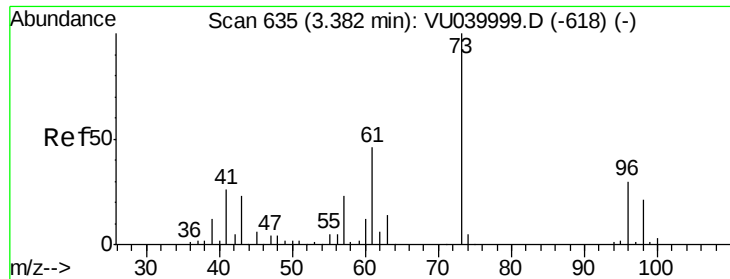
0

Time-->

3.00 3.10 3.20

3.06

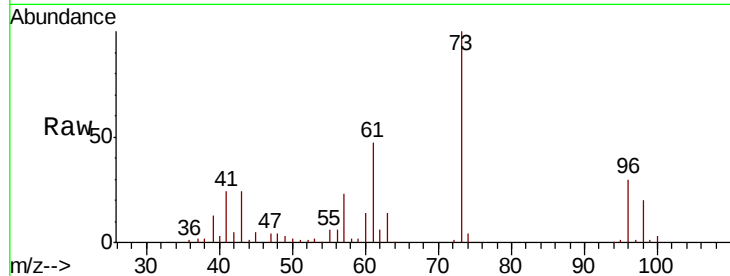




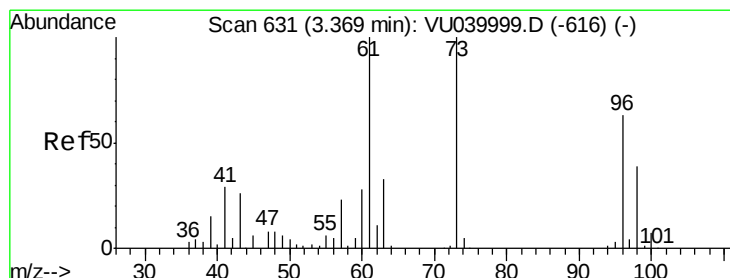
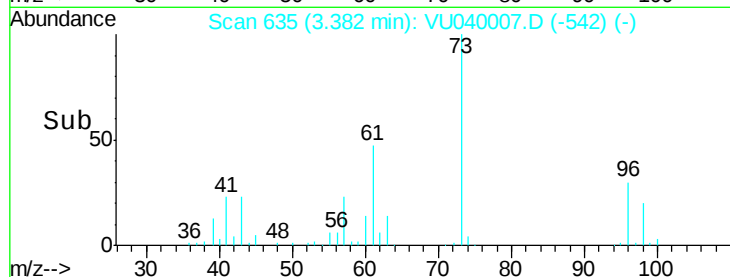
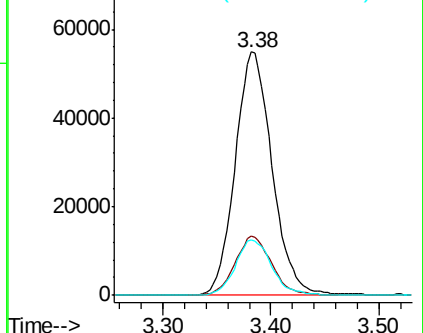
#17
Methvl tert-butvl Ether
Concen: 4.705 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion: 73 Resp: 130823
Ion Ratio Lower Upper
73 100
43 24.1 19.1 28.7
57 22.5 18.3 27.5

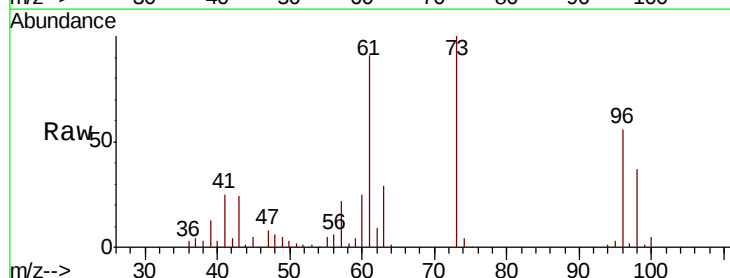


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

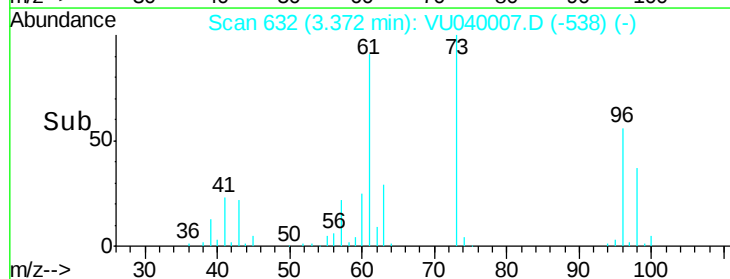
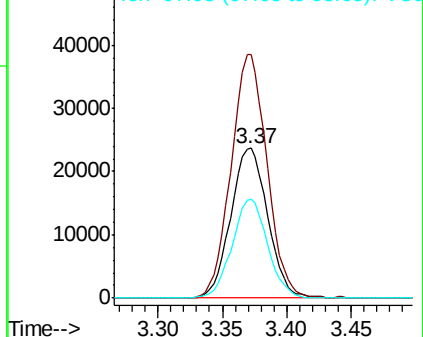


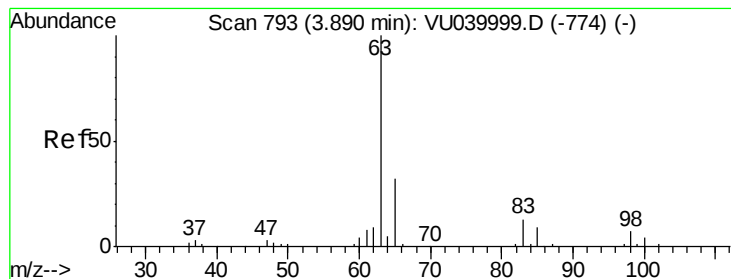
#18
trans-1,2-Dichloroethene
Concen: 4.760 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Tgt Ion: 96 Resp: 47228
Ion Ratio Lower Upper
96 100
61 162.7 110.5 205.3
98 66.2 43.2 80.2



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: 4.917 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

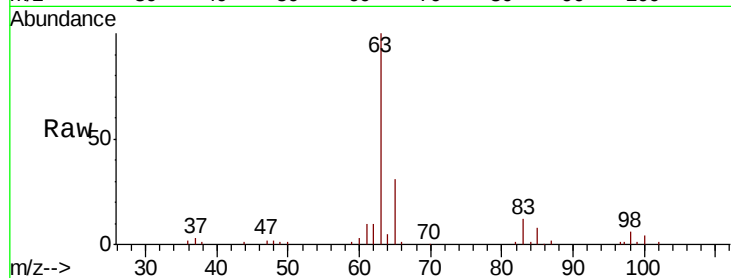
Tot Ion: 63 Resp: 100429

Ion Ratio Lower Upper

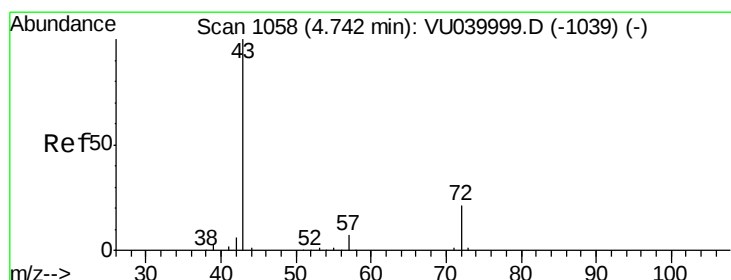
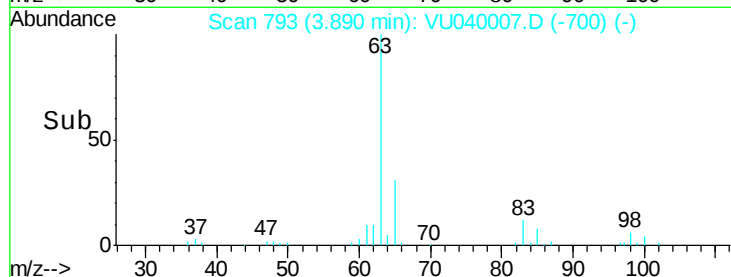
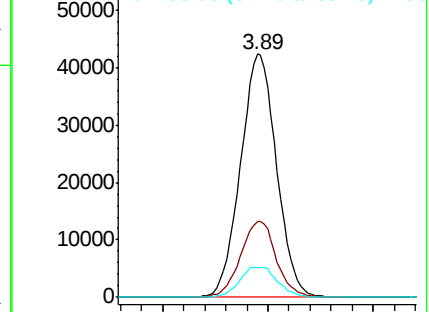
63 100

65 30.9 22.2 41.2

83 12.2 9.4 17.6



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: 46.826 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU040007.D

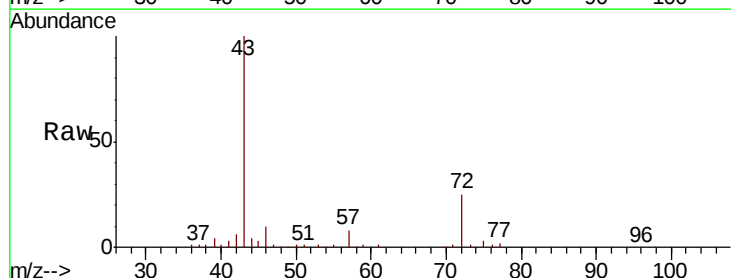
Acq: 31 Aug 2020 16:02

Tgt Ion: 43 Resp: 184221

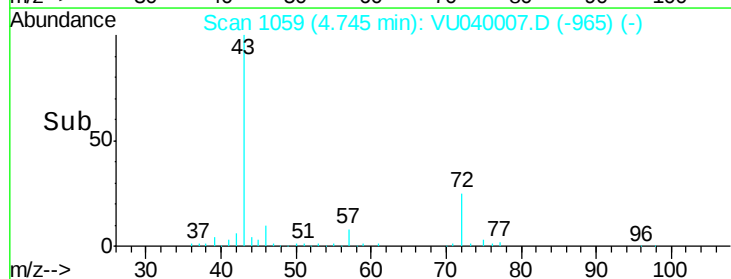
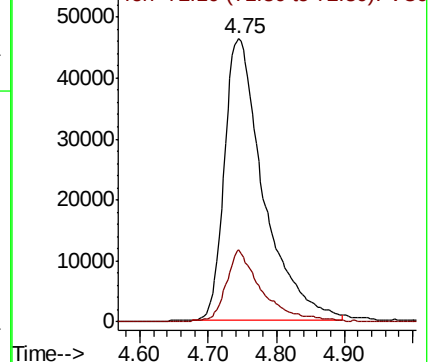
Ion Ratio Lower Upper

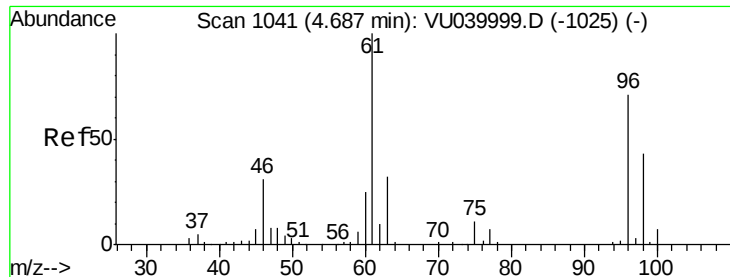
43 100

72 22.6 11.7 35.0



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

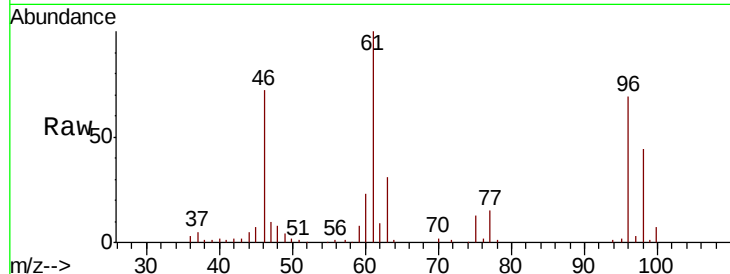




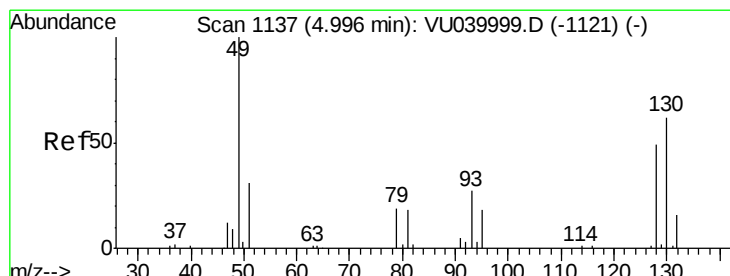
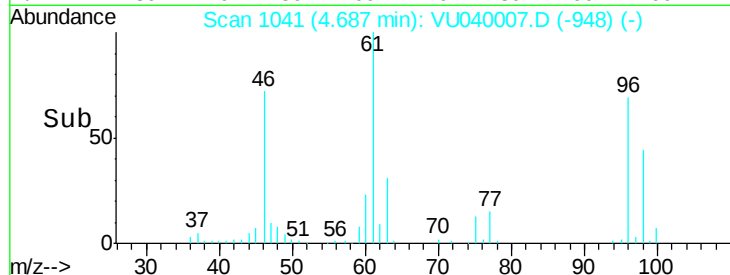
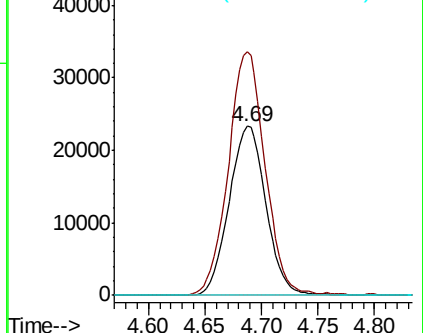
#22
 cis-1,2-Dichloroethene
 Concen: 4.959 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 96 Resp: 52917
 Ion Ratio Lower Upper
 96 100
 61 144.1 98.8 183.4
 68 0.0 0.0 0.0

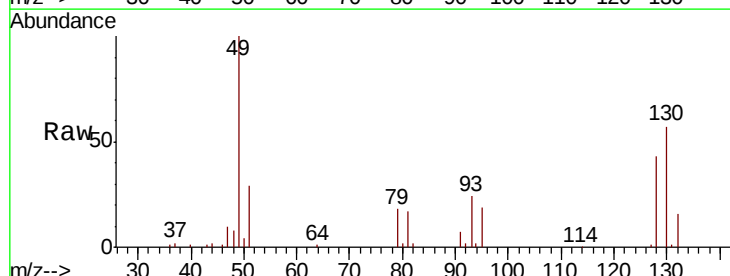


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

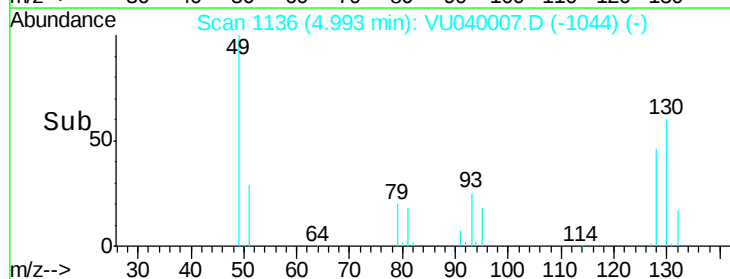
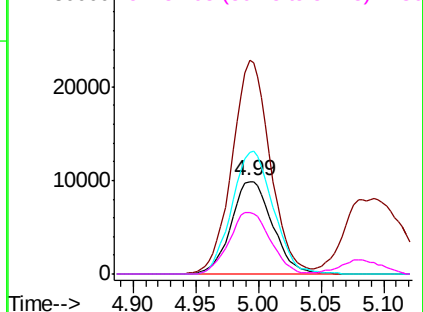


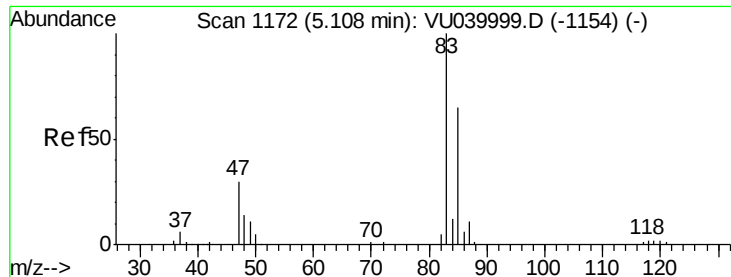
#23
 Bromochloromethane
 Concen: 4.844 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion: 128 Resp: 22647
 Ion Ratio Lower Upper
 128 100
 49 230.7 143.4 266.4
 130 131.5 89.5 166.3
 51 66.3 51.0 76.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VU0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VU0

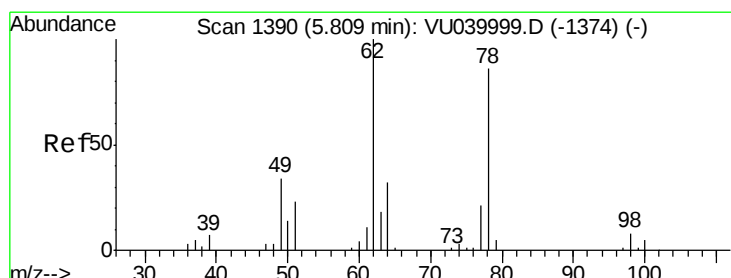
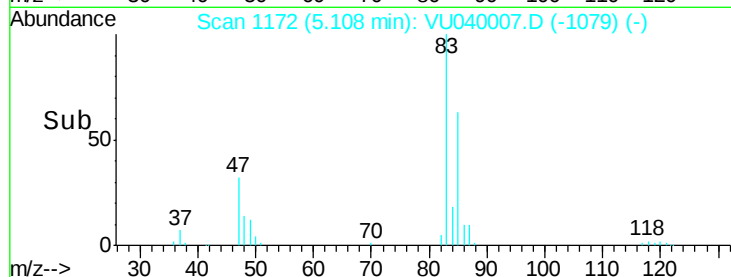
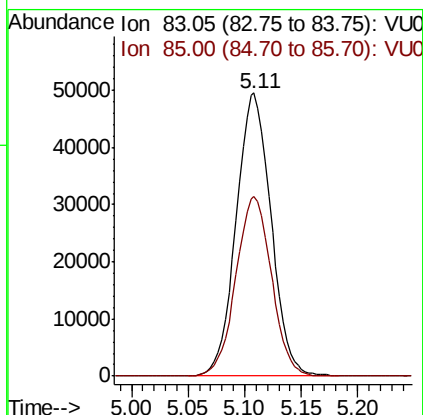
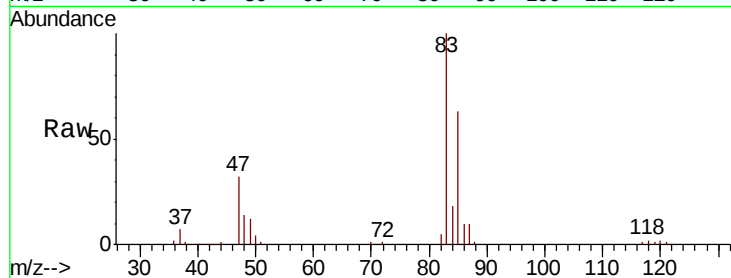




#25
Chloroform
Concen: 5.096 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

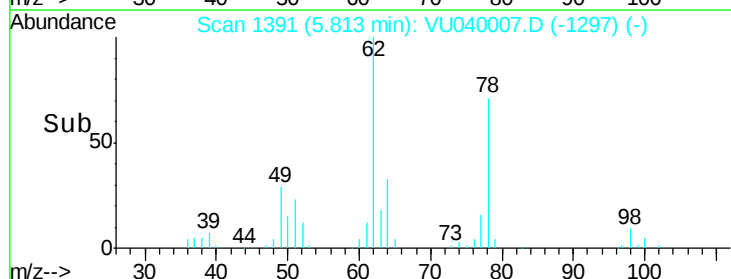
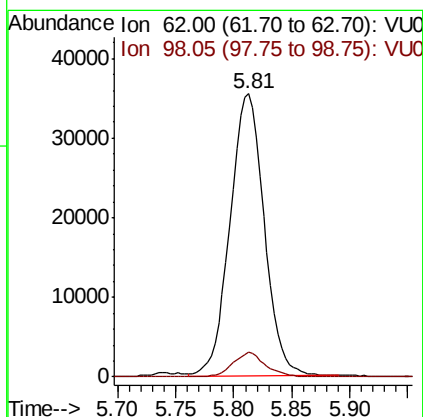
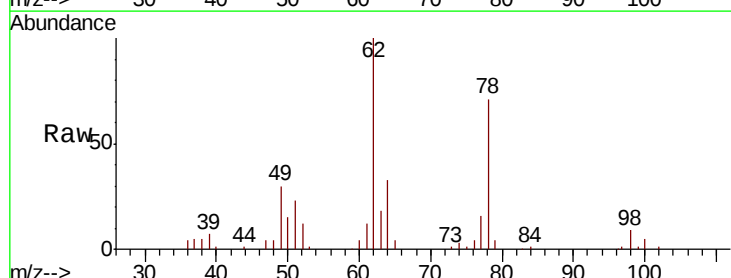
Instrument :
MSVOA_U
ClientSampled :
VSTD00515

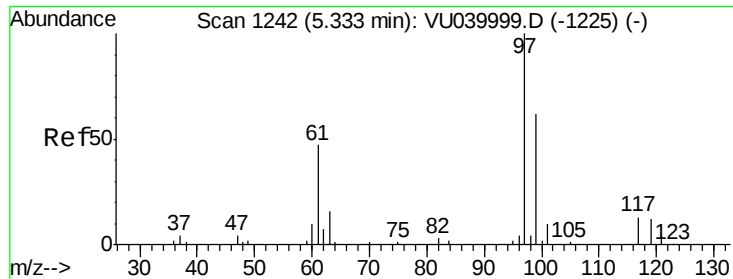
Tot Ion: 83 Resp: 106600
Ion Ratio Lower Upper
83 100
85 63.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.747 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Tgt Ion: 62 Resp: 72752
Ion Ratio Lower Upper
62 100
98 8.8 6.1 9.1

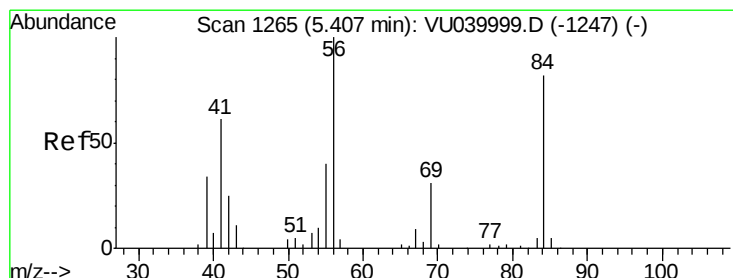
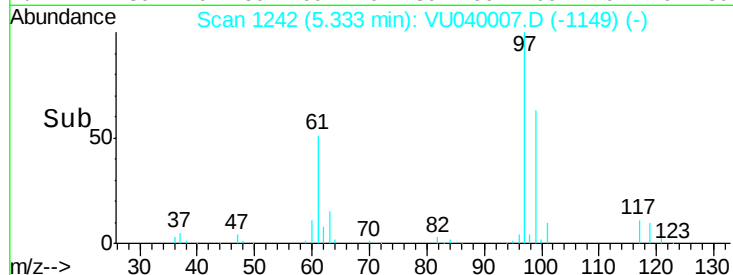
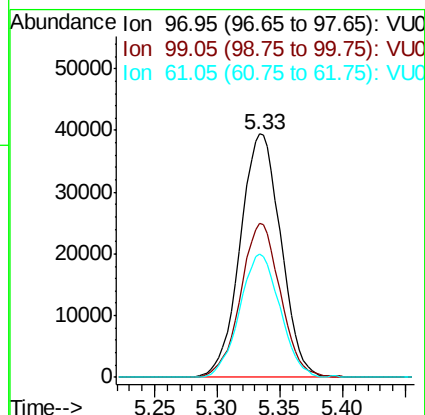
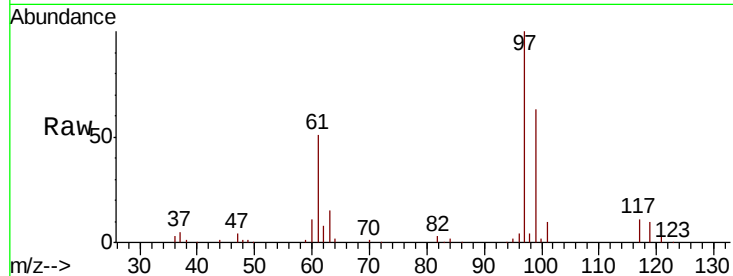




#29
 1,1,1-Trichloroethane
 Concen: 4.854 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

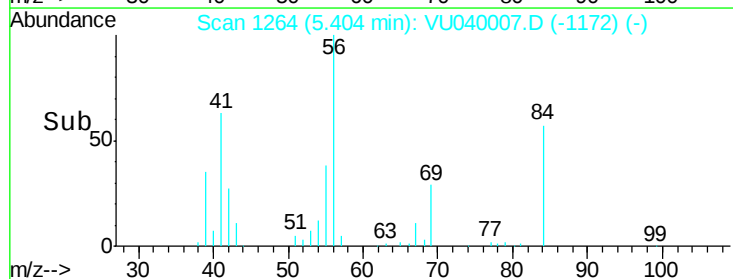
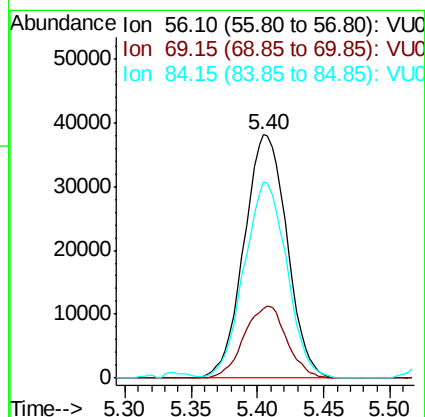
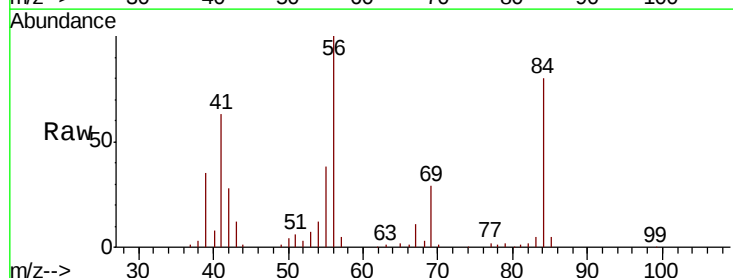
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

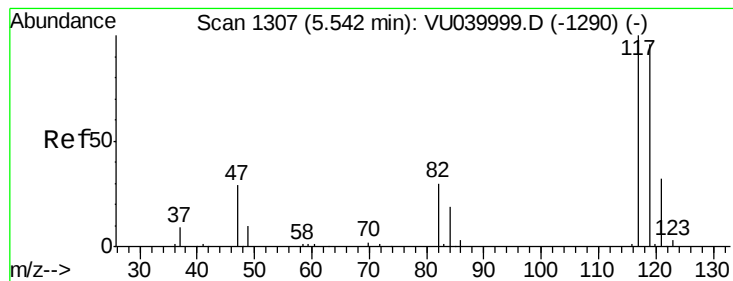
Tot Ion: 97 Resp: 88862
 Ion Ratio Lower Upper
 97 100
 99 62.0 50.9 76.3
 61 50.4 39.5 59.3



#30
 Cyclohexane
 Concen: 4.846 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion: 56 Resp: 86030
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 80.3 65.0 97.4





#31

Carbon tetrachloride

Concen: 4.744 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

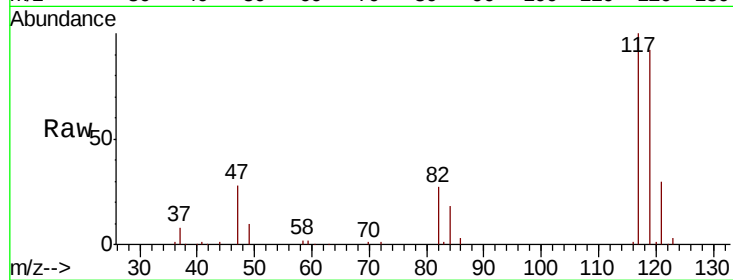
VSTD00515

Tot Ion:117 Resp: 74320

Ion Ratio Lower Upper

117 100

119 92.9 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

40000

30000

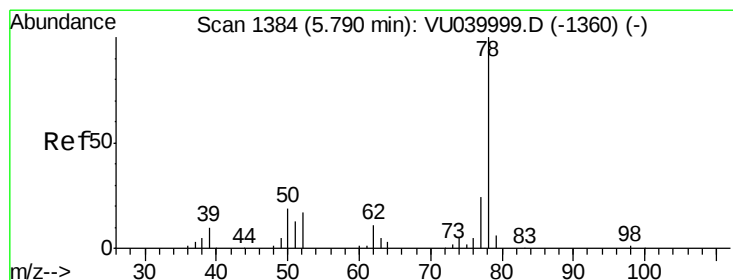
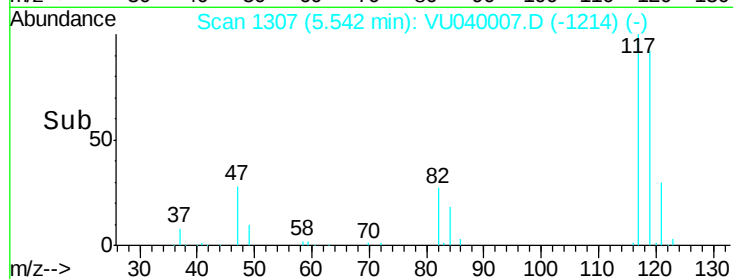
20000

10000

0

Time-->

5.45 5.50 5.55 5.60



#33

Benzene

Concen: 4.927 ug/L

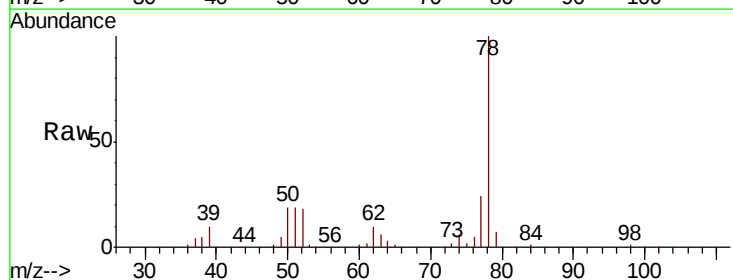
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Tgt Ion: 78 Resp: 205481



Abundance Ion 78.10 (77.80 to 78.80): VU0

120000

100000

80000

60000

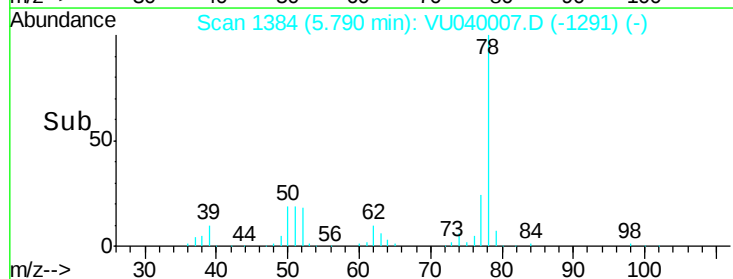
40000

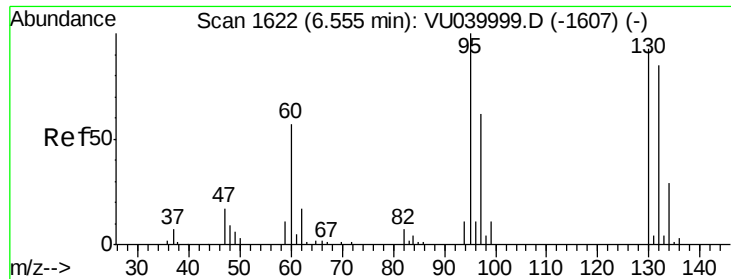
20000

0

Time-->

5.70 5.80 5.90

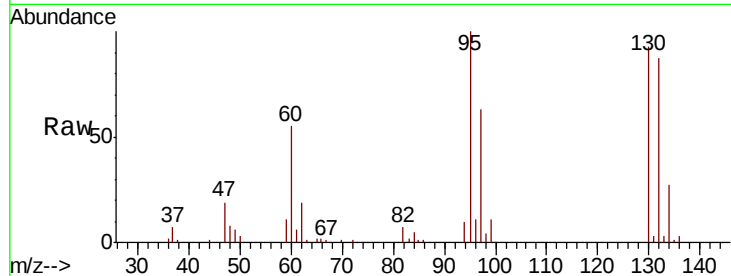




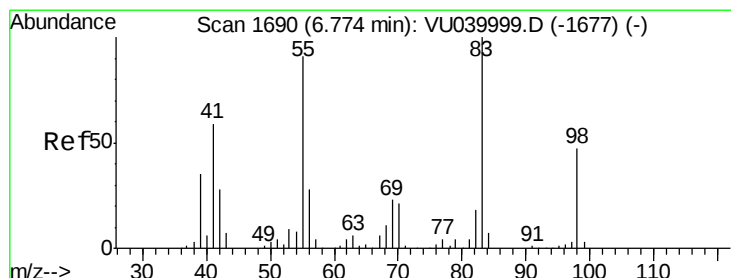
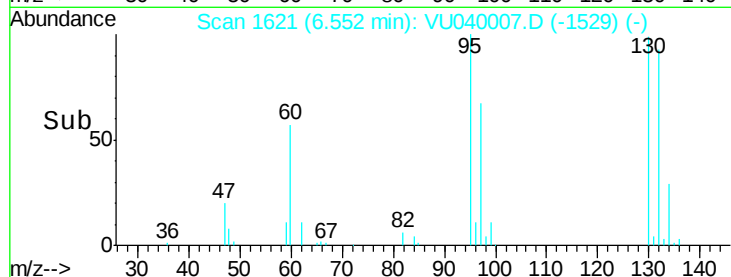
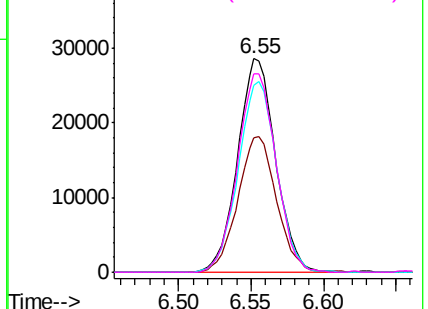
#34
 Trichloroethene
 Concen: 4.650 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 95 Resp: 52026
 Ion Ratio Lower Upper
 95 100
 97 62.9 43.3 80.5
 132 87.5 59.4 110.4
 130 93.0 64.8 120.4

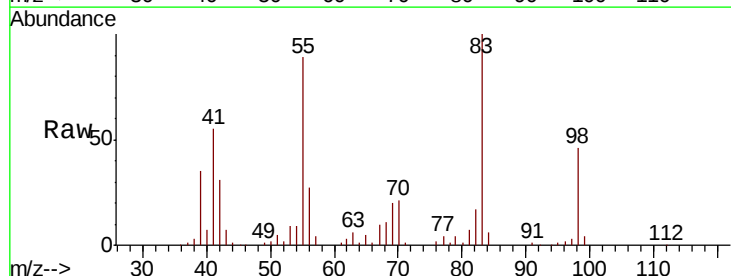


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

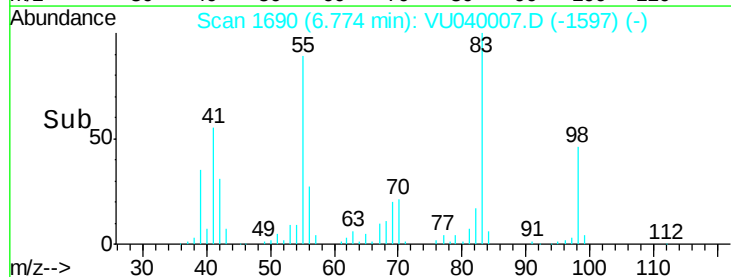
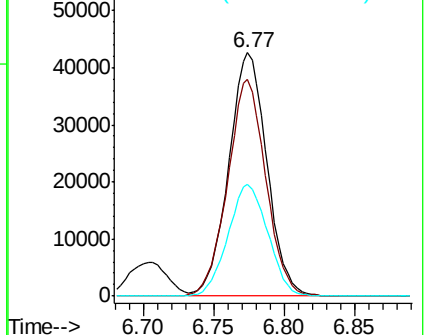


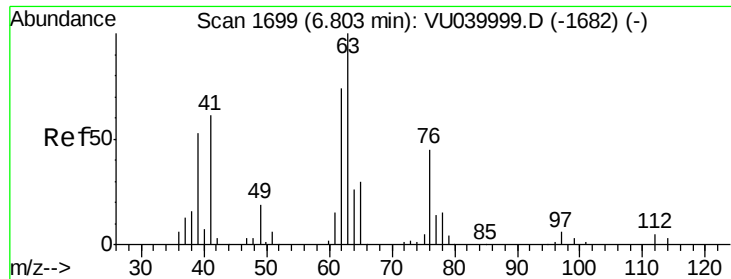
#35
 Methylcyclohexane
 Concen: 4.719 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion: 83 Resp: 80845
 Ion Ratio Lower Upper
 83 100
 55 88.7 70.5 105.7
 98 47.8 37.8 56.6



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

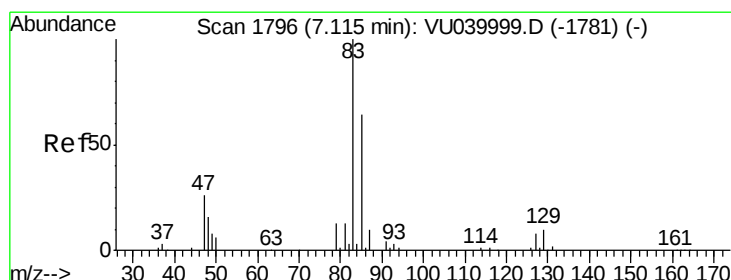
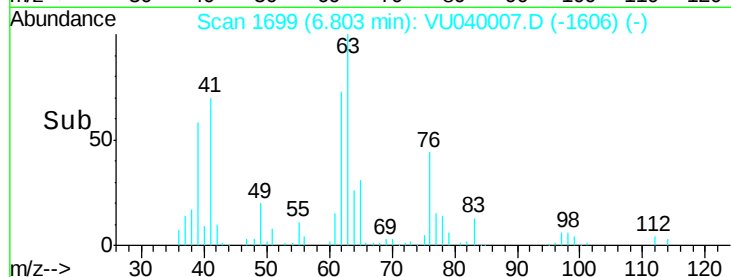
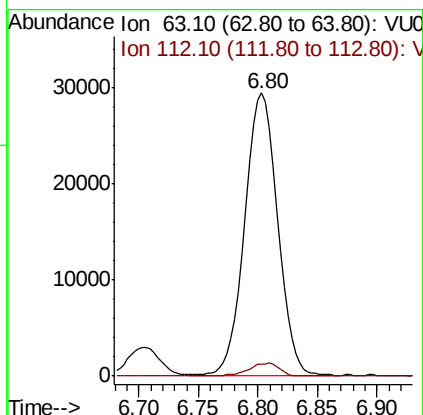
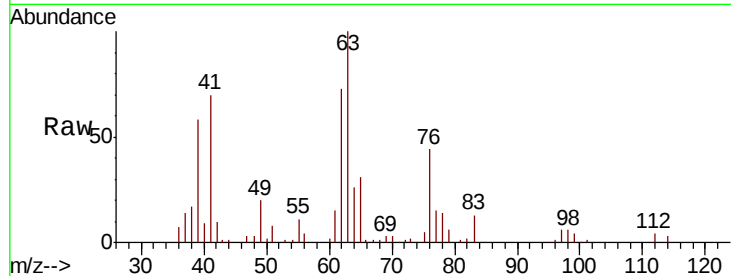




#37
 1,2-Dichloropropane
 Concen: 5.041 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

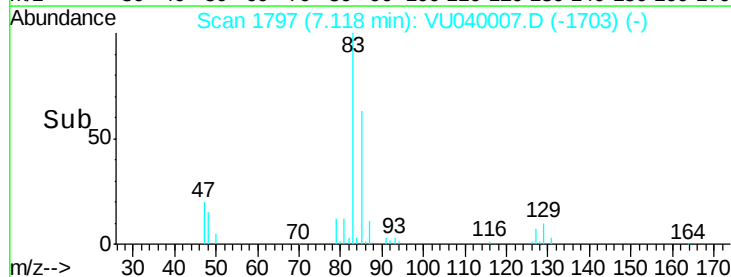
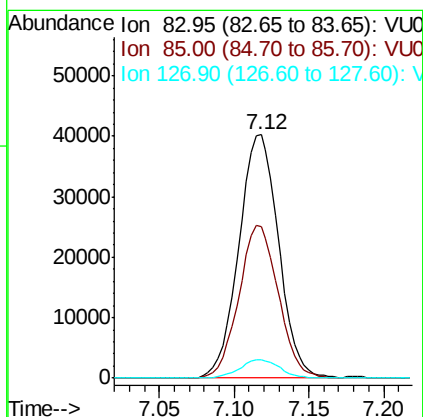
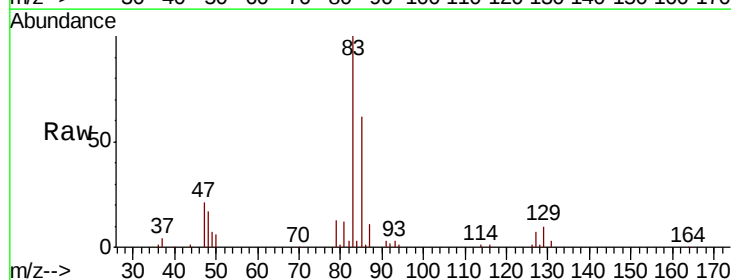
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

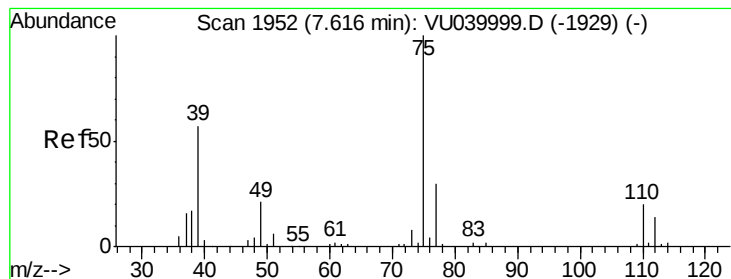
Tot Ion: 63 Resp: 56930
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#38
 Bromodichloromethane
 Concen: 4.831 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion: 83 Resp: 74484
 Ion Ratio Lower Upper
 83 100
 85 62.3 45.1 83.9
 127 7.3 6.7 10.1



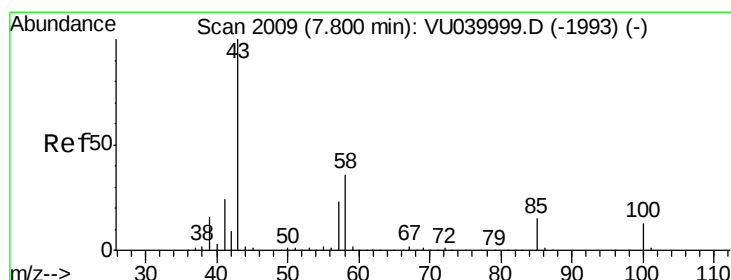
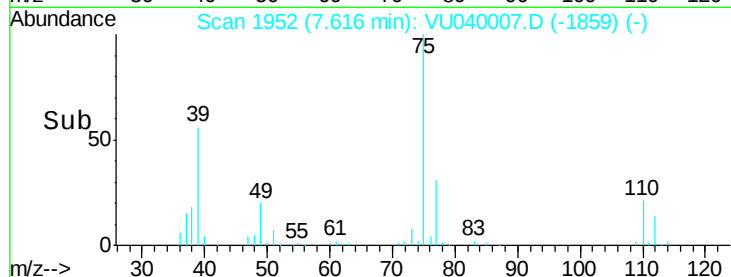
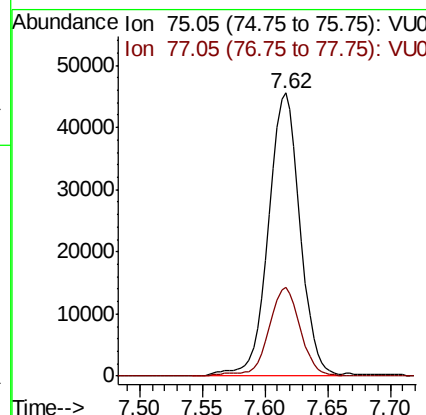
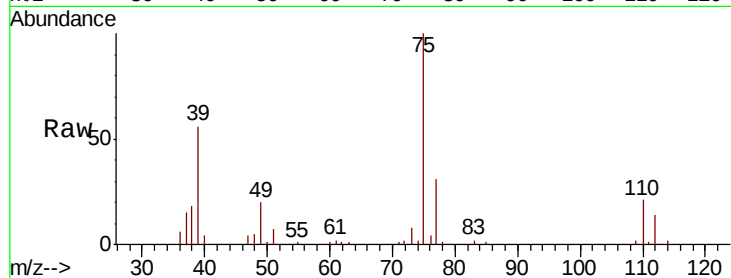


#39

cis-1,3-Dichloropropene
 Concen: 4.810 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

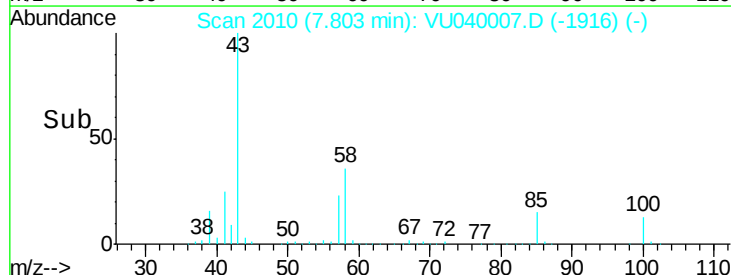
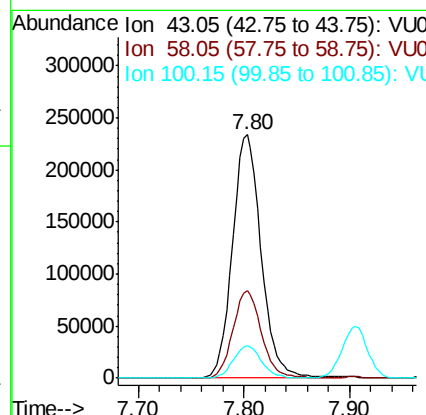
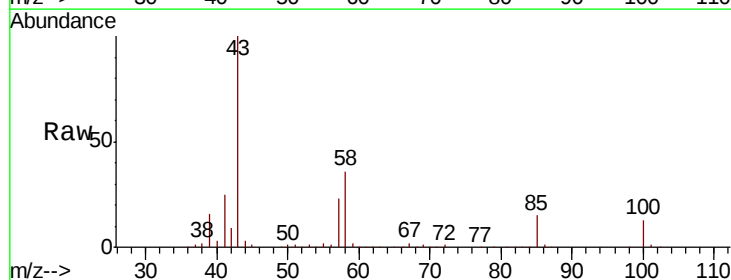
Tot Ion: 75 Resp: 80120
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.1 39.3

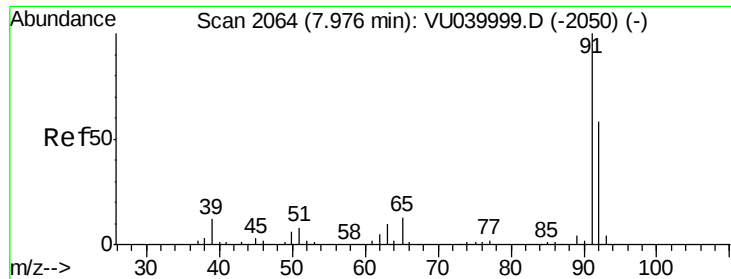


#40

4-Methyl-2-pentanone
 Concen: 47.423 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion: 43 Resp: 439429
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.7 43.1
 100 13.1 10.2 15.2





#42

Toluene

Concen: 4.951 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

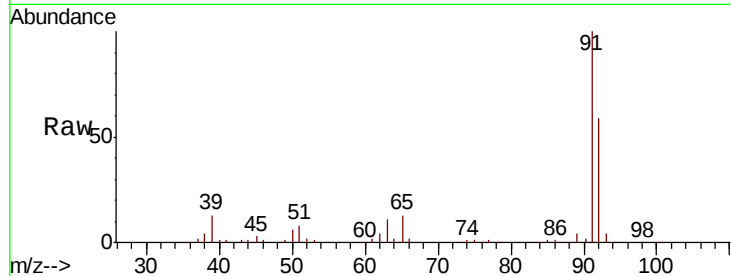
VSTD00515

Tot Ion: 91 Resp: 212661

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.98

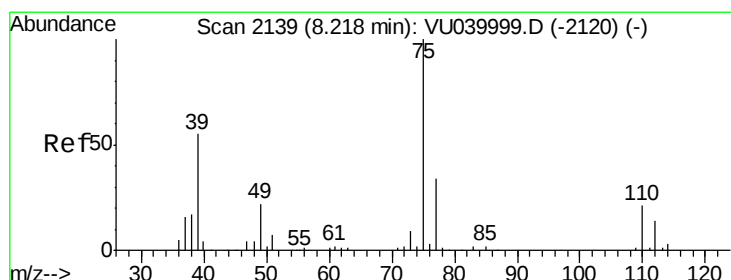
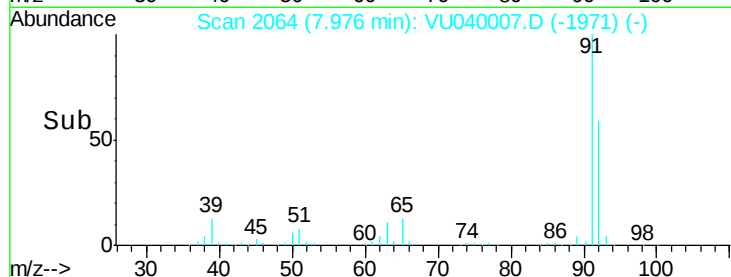
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.735 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040007.D

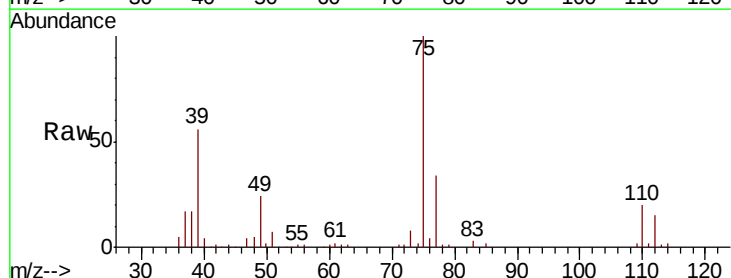
Acq: 31 Aug 2020 16:02

Tgt Ion: 75 Resp: 73073

Ion Ratio Lower Upper

75 100

77 33.7 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.22

50000

40000

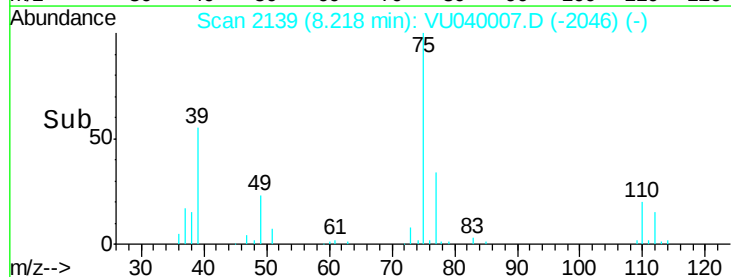
30000

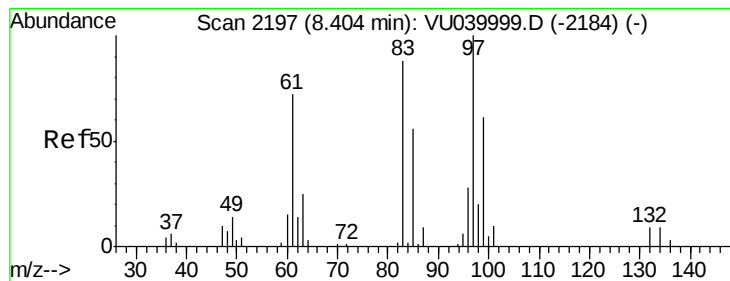
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.784 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

Tot Ion: 97 Resp: 39355

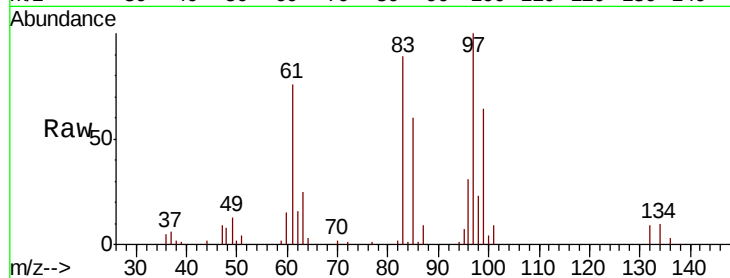
Ion Ratio Lower Upper

97 100

99 64.2 43.0 79.8

83 89.1 61.7 114.7

85 59.8 39.3 73.1

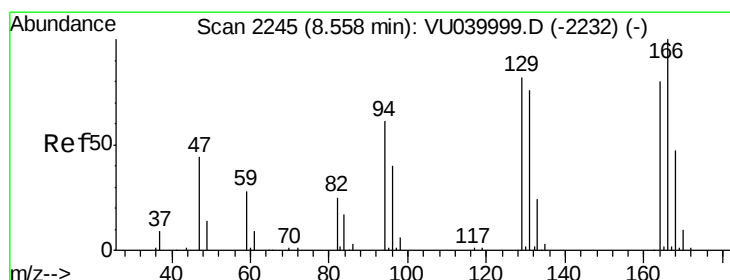
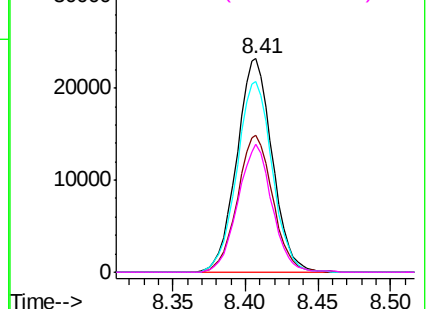
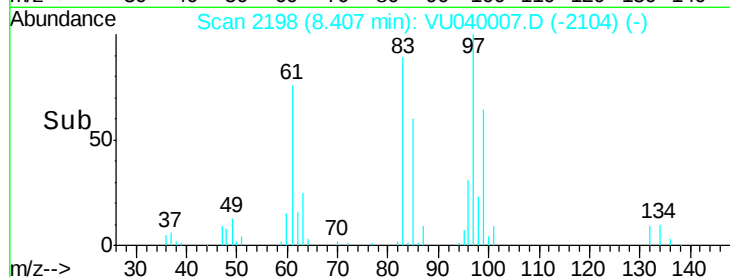


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.794 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Tgt Ion: 164 Resp: 35227

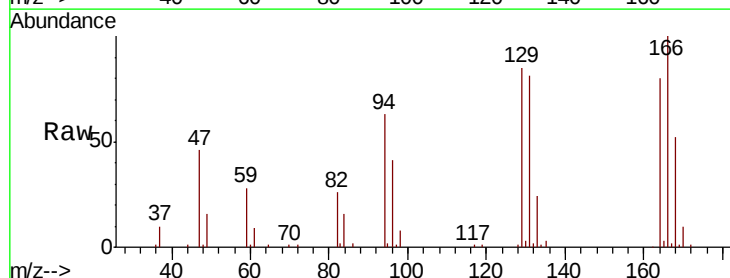
Ion Ratio Lower Upper

164 100

129 106.1 71.5 132.7

131 100.3 65.9 122.5

166 124.6 87.3 162.1

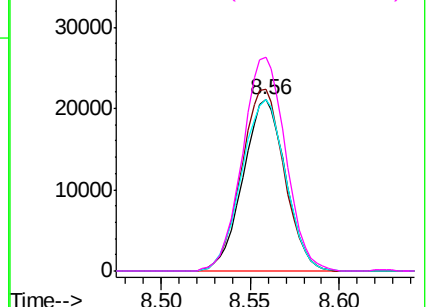
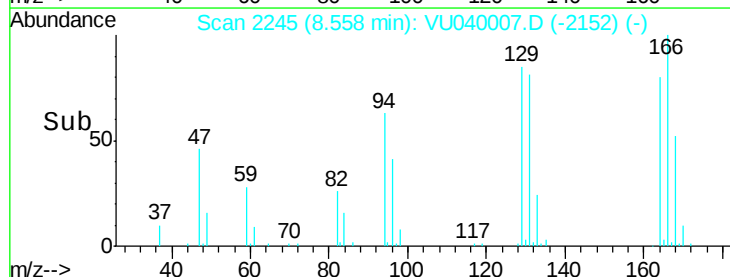


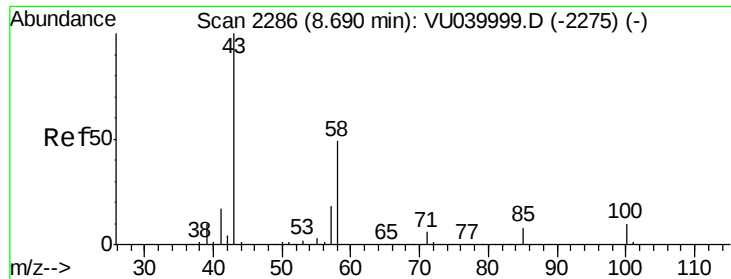
Abundance Ion 163.90 (163.60 to 164.60): V

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

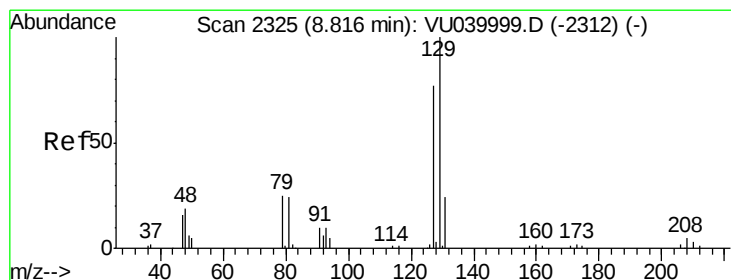
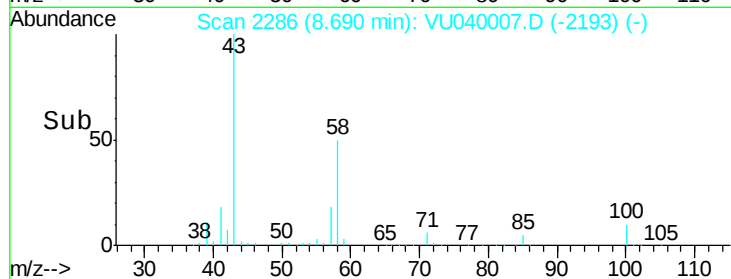
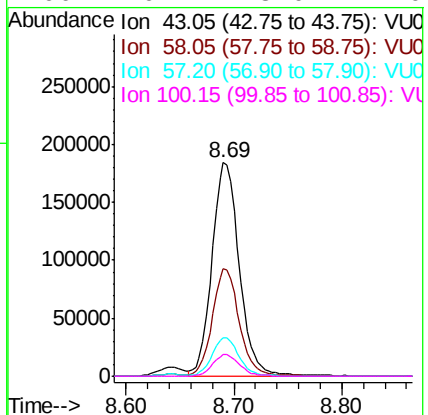
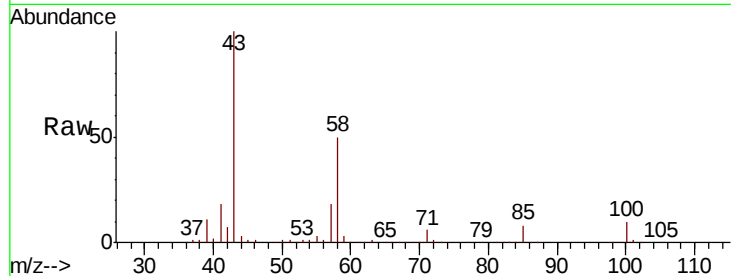




#48
2-Hexanone
Concen: 47.709 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

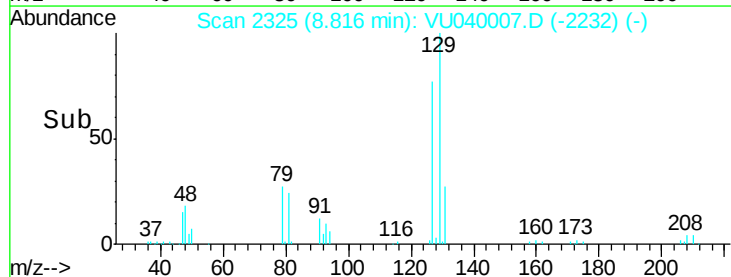
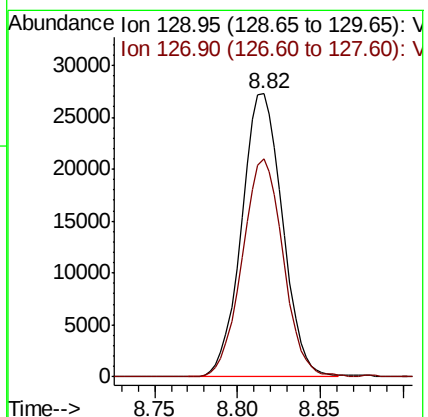
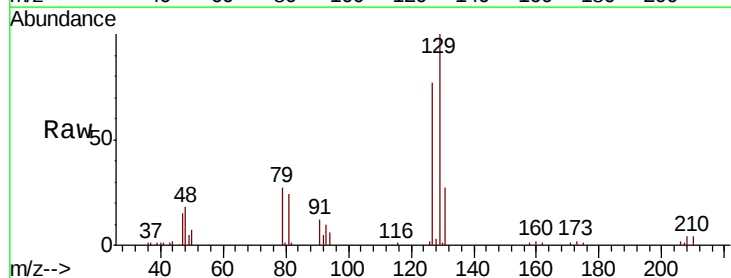
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

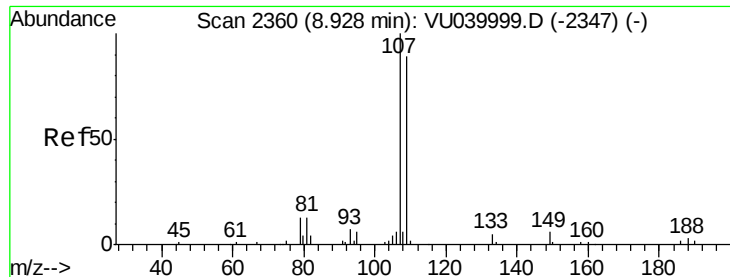
Tot Ion:	43	Resp:	322463
Ion	Ratio	Lower	Upper
43	100		
58	49.6	39.6	59.4
57	17.9	14.3	21.5
100	10.1	8.0	12.0



#49
Dibromochloromethane
Concen: 4.729 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Tgt Ion:	129	Resp:	46697
Ion	Ratio	Lower	Upper
129	100		
127	76.9	53.7	99.7

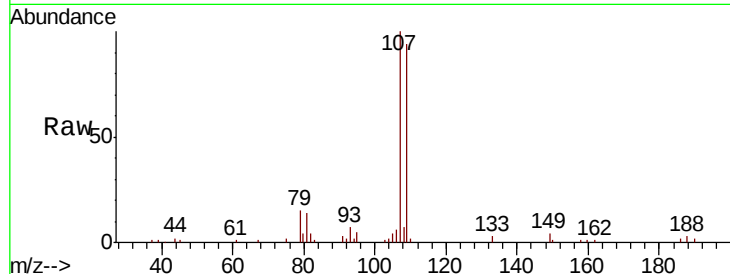




#50
 1,2-Dibromoethane
 Concen: 4.701 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	62.4	115.8
188	3.4	2.3	3.5

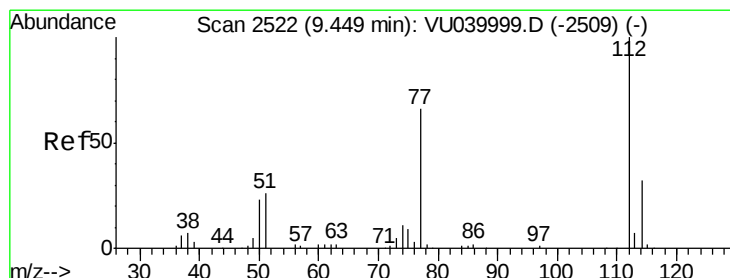
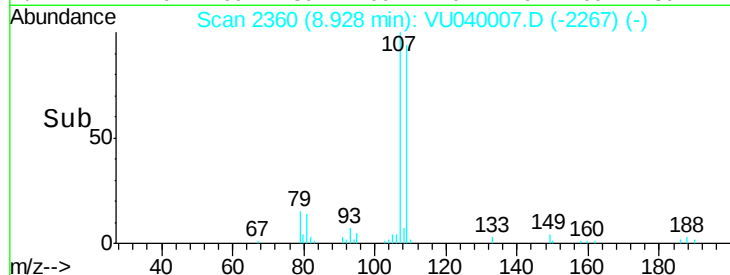
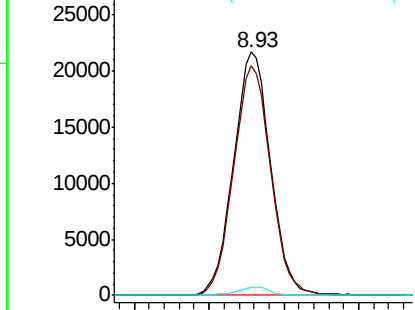


Abundance

Ion 106.95 (106.65 to 107.65): V

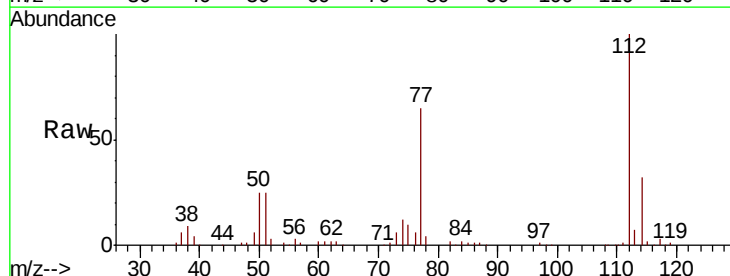
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 4.955 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.7	42.3
77	65.1	53.2	79.8

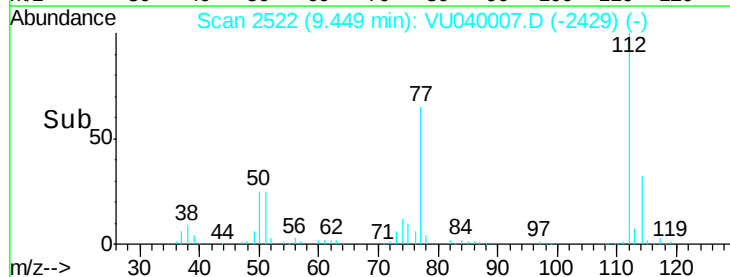
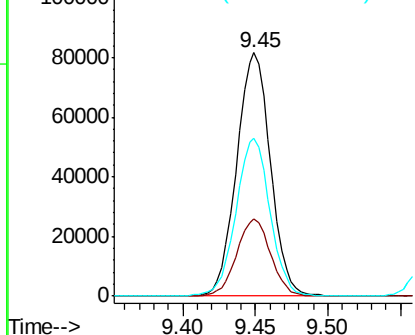


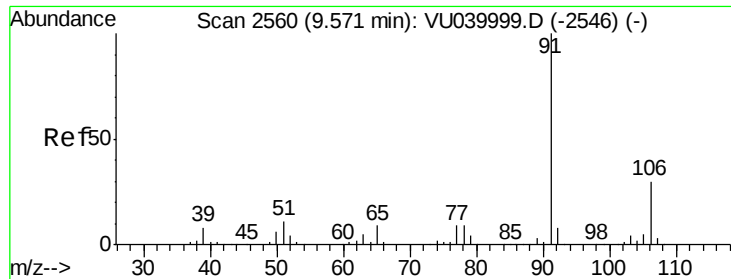
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0

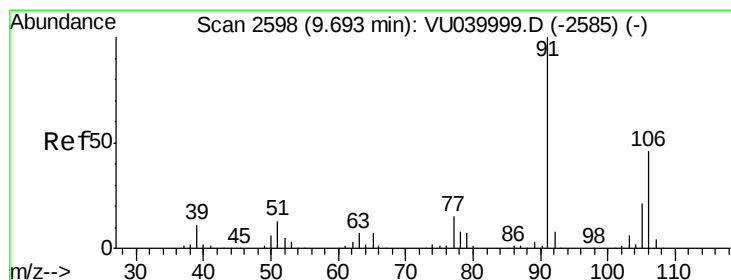
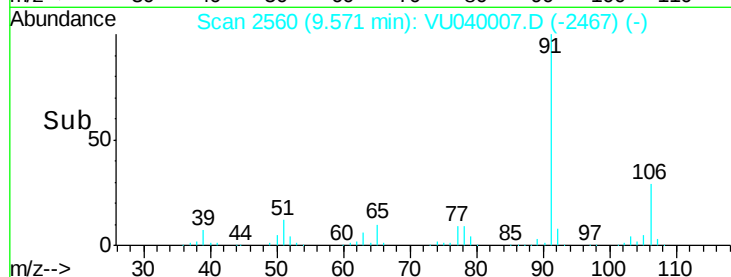
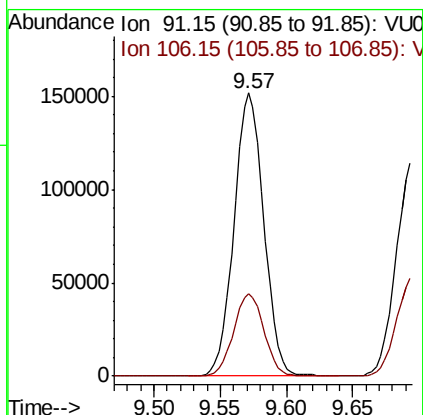
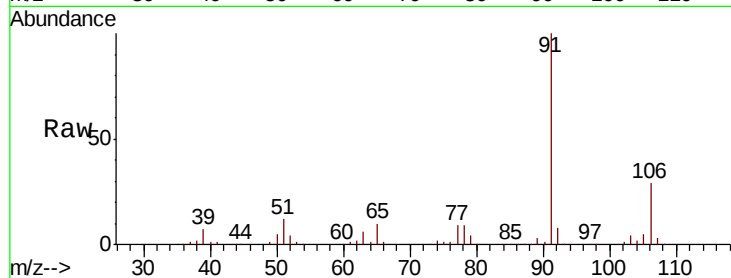




#52
Ethylbenzene
Concen: 4.843 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

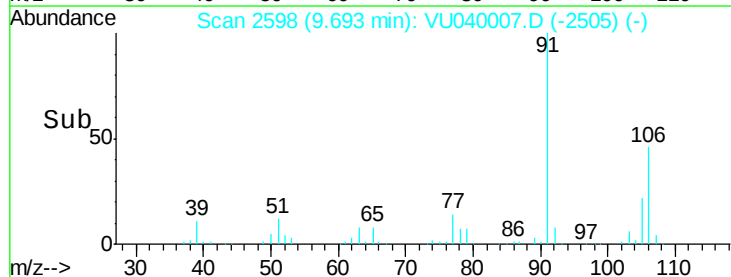
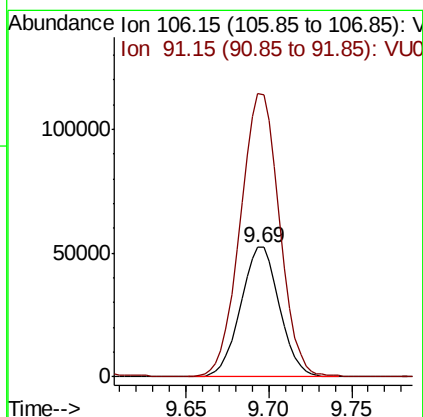
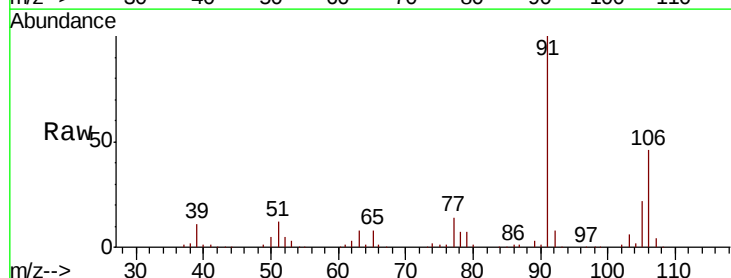
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

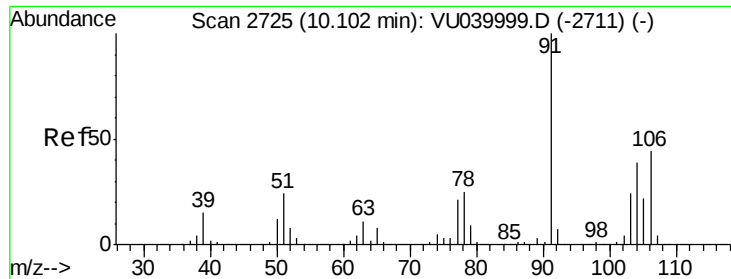
Tot Ion: 91 Resp: 236373
Ion Ratio Lower Upper
91 100
106 29.1 21.0 39.0



#53
m,p-Xylene
Concen: 4.932 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Tgt Ion: 106 Resp: 85699
Ion Ratio Lower Upper
106 100
91 218.3 151.7 281.7

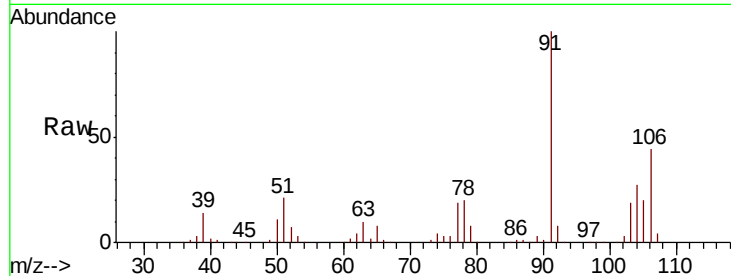




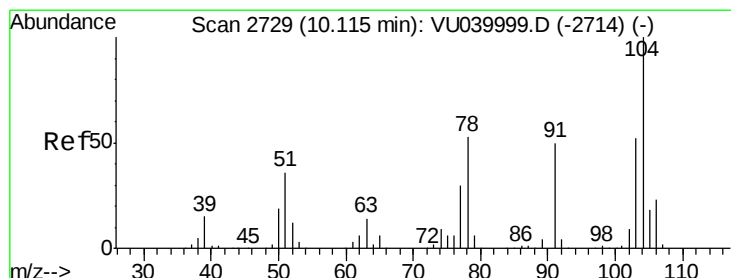
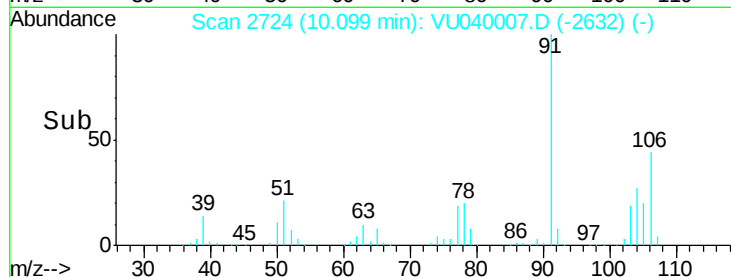
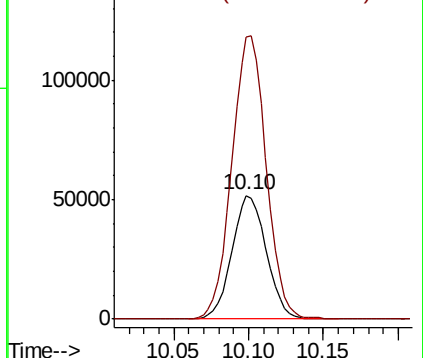
#54
o-Xylene
Concen: 4.969 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:106 Resp: 82280
Ion Ratio Lower Upper
106 100
91 228.0 160.8 298.6

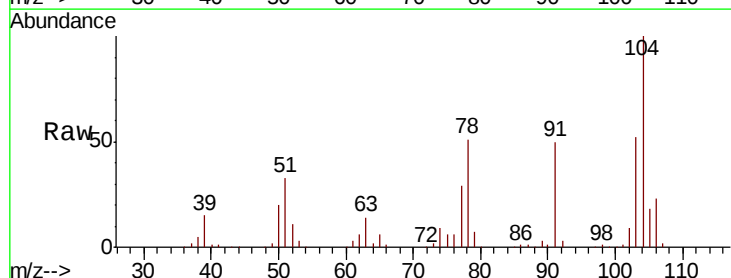


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

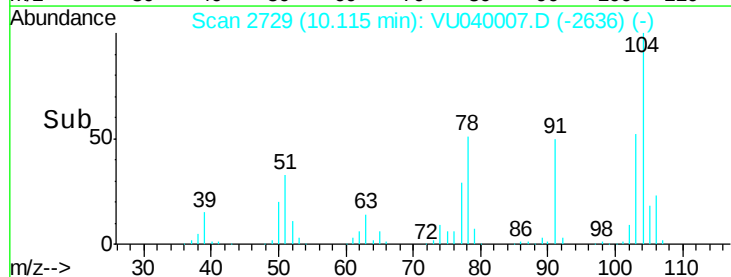
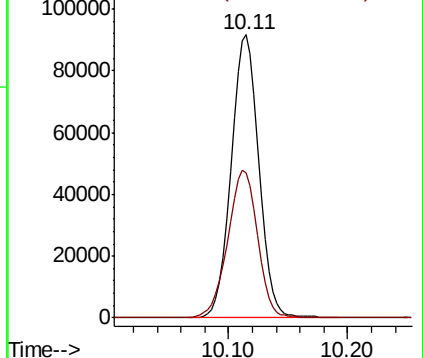


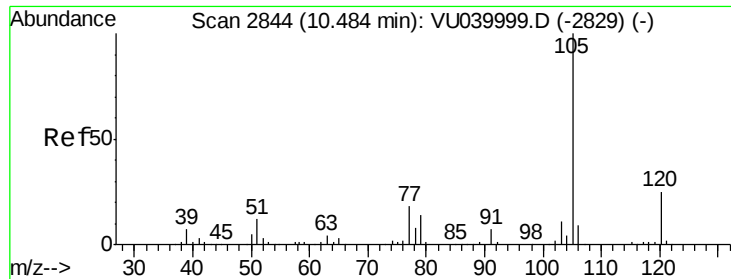
#55
Styrene
Concen: 5.122 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040007.D
Acq: 31 Aug 2020 16:02

Tgt Ion:104 Resp: 147487
Ion Ratio Lower Upper
104 100
78 51.5 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.107 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

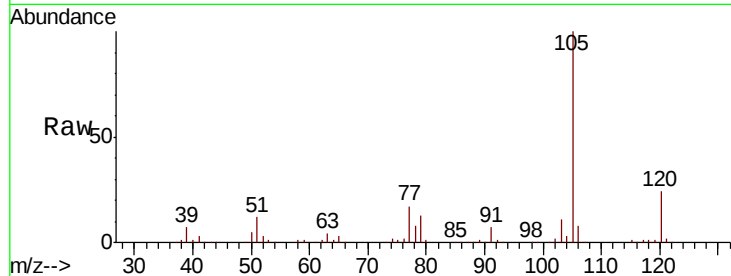
Tot Ion:105 Resp: 230594

Ion Ratio Lower Upper

105 100

120 24.5 20.1 30.1

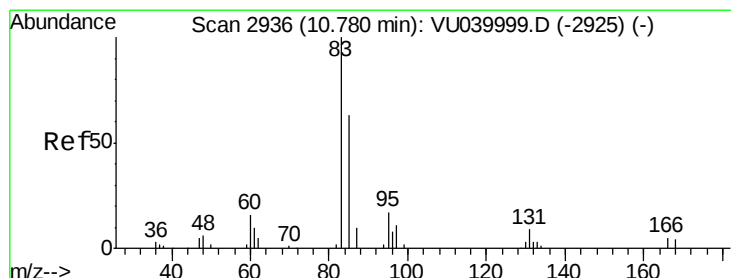
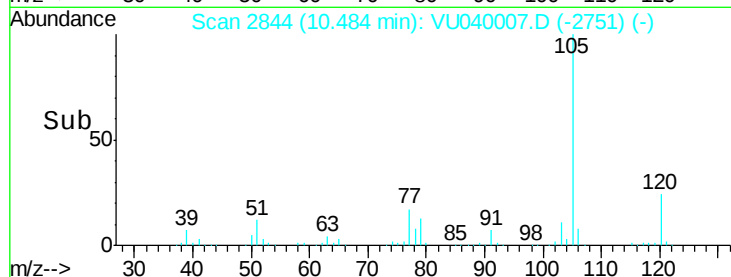
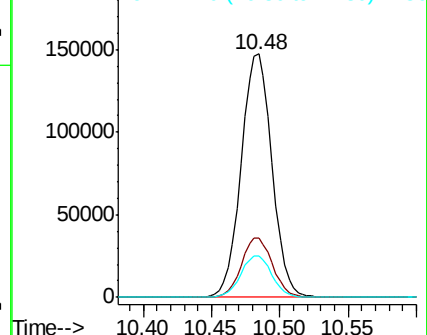
77 17.1 14.4 21.6



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: 4.655 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

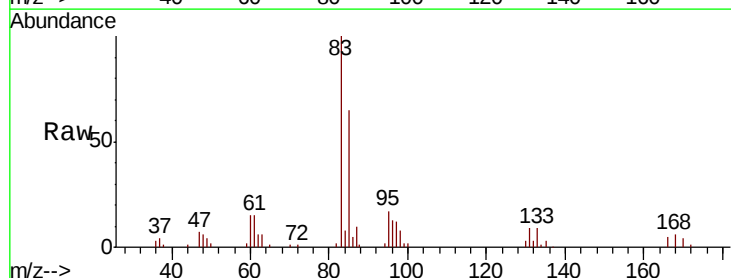
Tgt Ion: 83 Resp: 49109

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

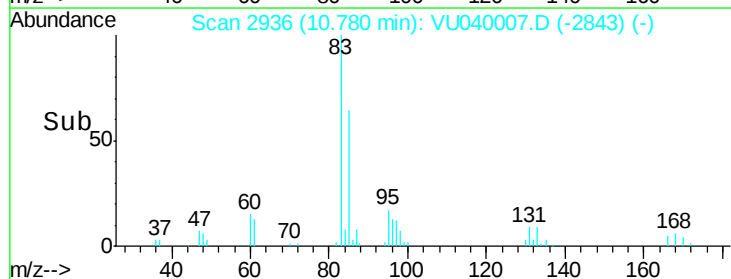
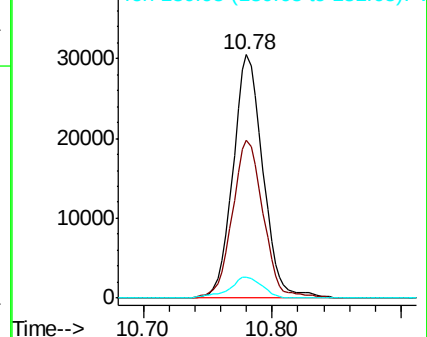
131 8.6 7.4 11.0

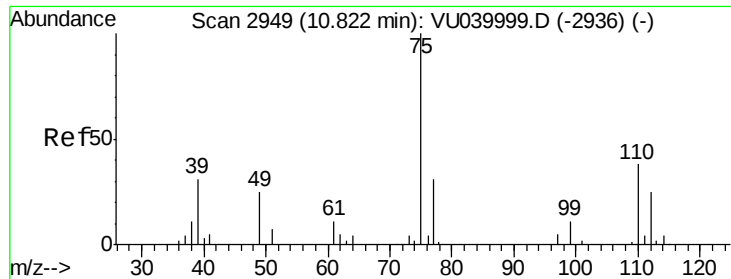


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

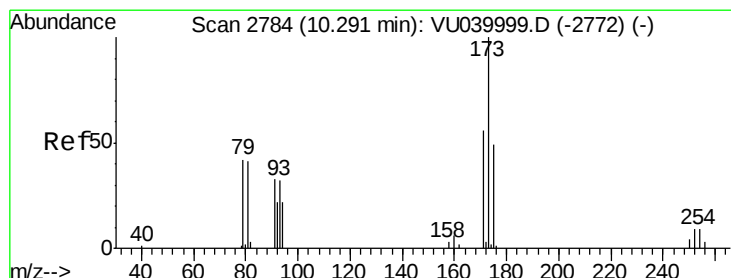
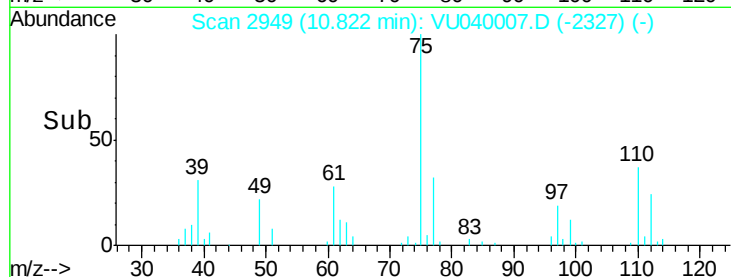
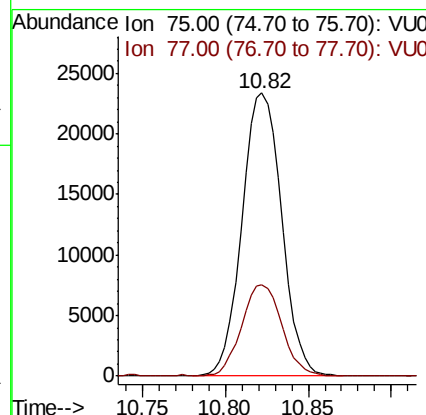
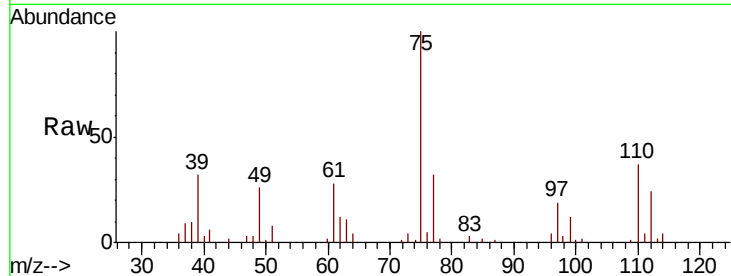




#59
 1,2,3-Trichloropropane
 Concen: 4.650 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

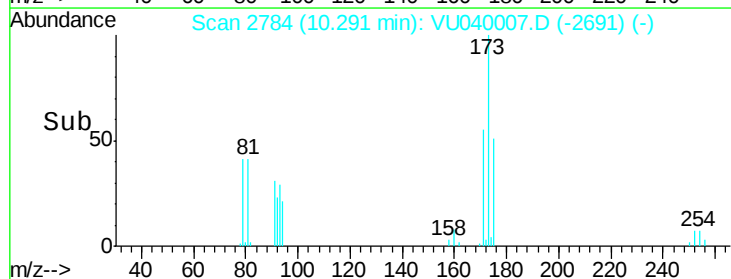
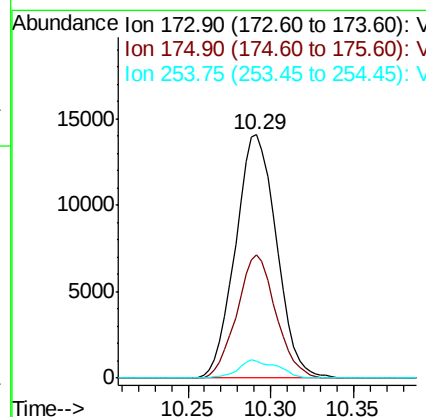
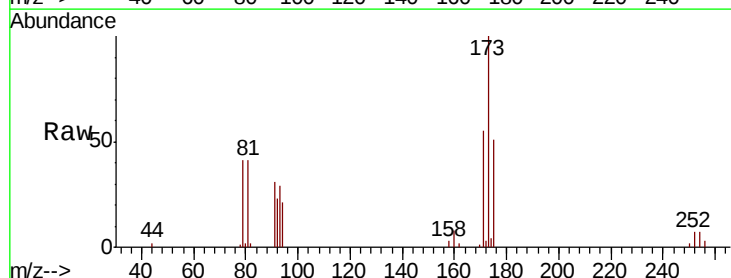
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

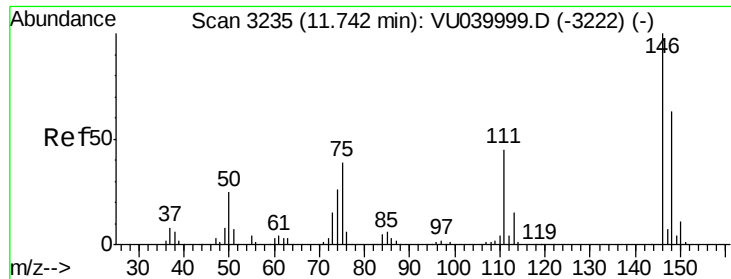
Tot Ion: 75 Resp: 38905
 Ion Ratio Lower Upper
 75 100
 77 32.7 24.9 37.3



#61
 Bromoform
 Concen: 4.677 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion:173 Resp: 24227
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.8 56.6
 254 7.1 6.8 10.2

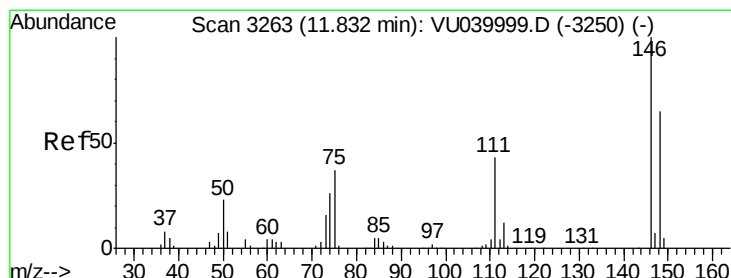
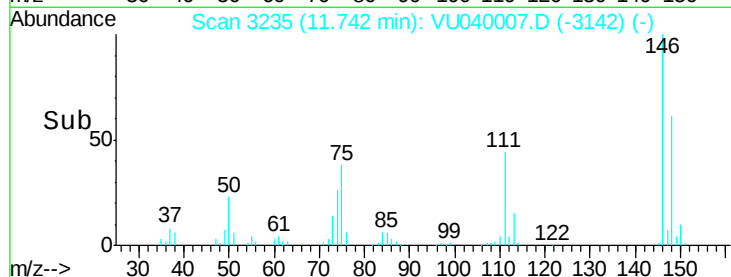
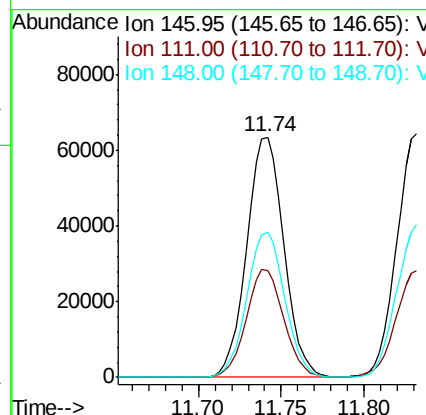
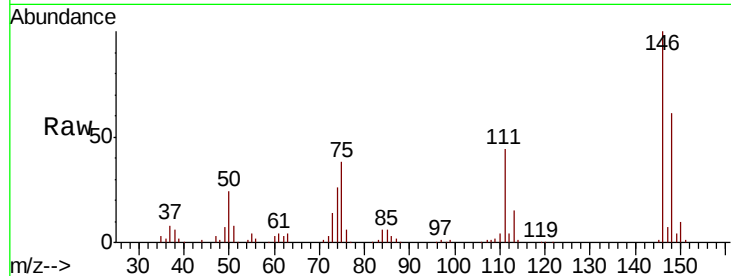




#62
 1,3-Dichlorobenzene
 Concen: 4.795 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

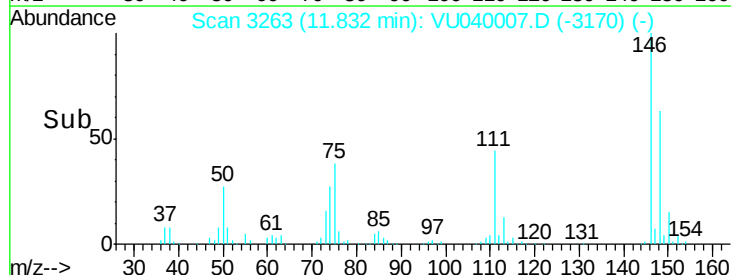
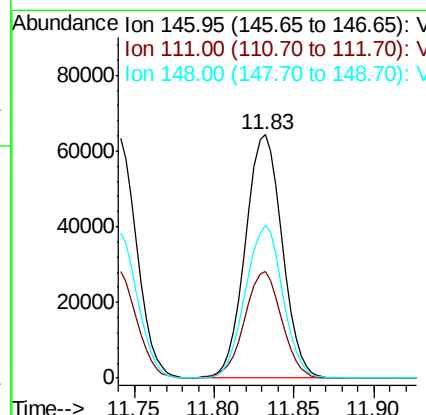
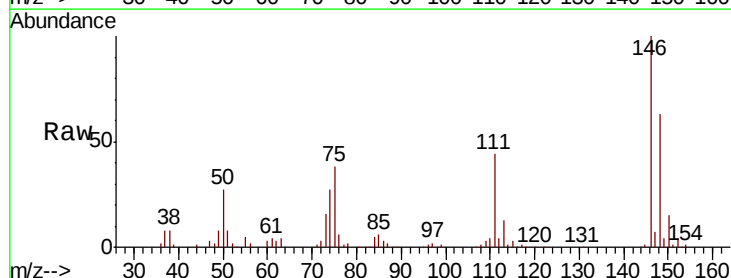
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

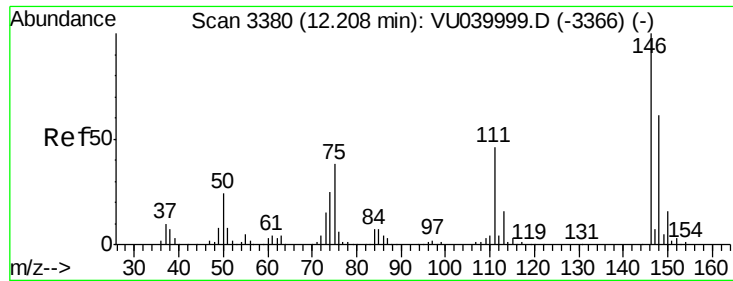
Tot Ion:146 Resp: 98975
 Ion Ratio Lower Upper
 146 100
 111 44.4 31.6 58.8
 148 60.5 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.816 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Tgt Ion:146 Resp: 100582
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.5 56.7
 148 62.5 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 4.751 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

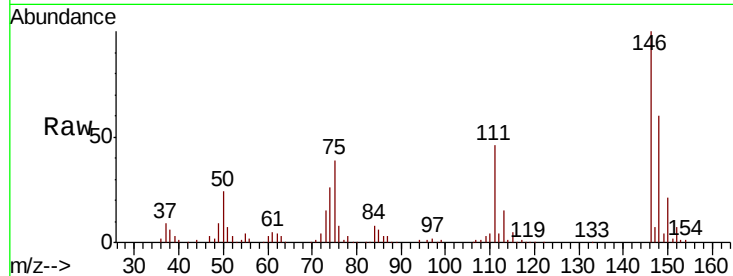
Tot Ion:146 Resp: 94893

Ion Ratio Lower Upper

146 100

111 46.0 36.5 54.7

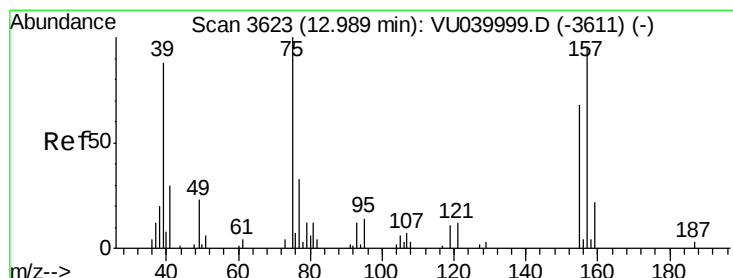
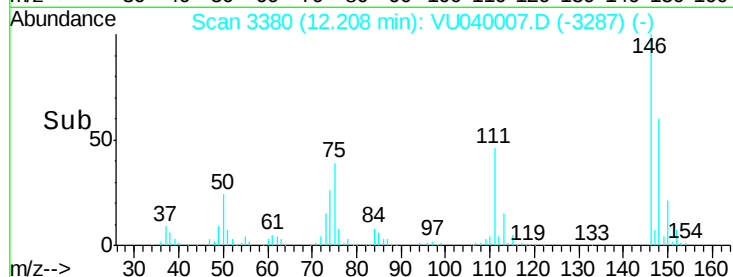
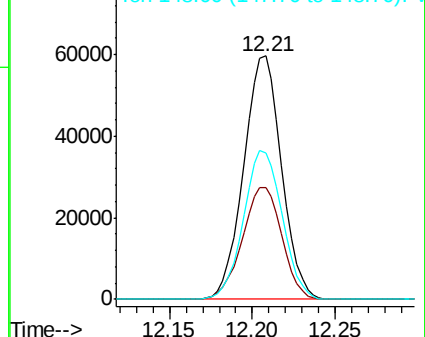
148 60.3 48.6 72.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.346 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

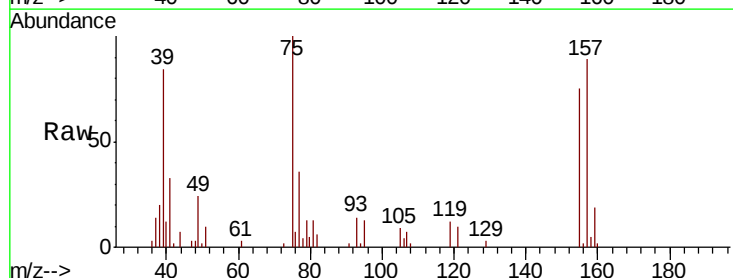
Tgt Ion: 75 Resp: 9284

Ion Ratio Lower Upper

75 100

155 75.0 54.6 82.0

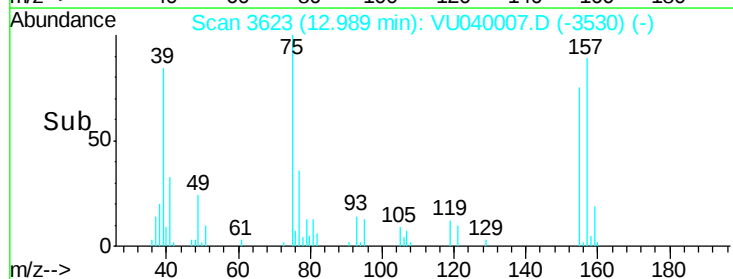
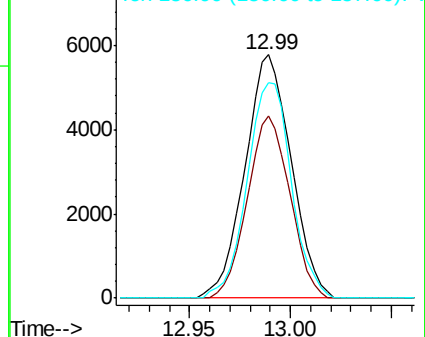
157 88.6 75.6 113.4

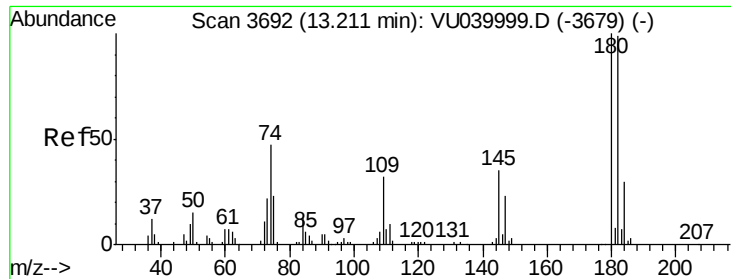


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

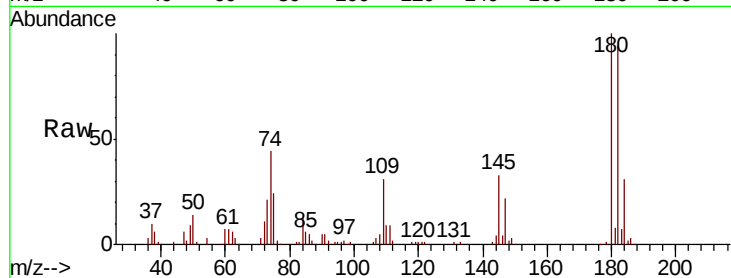




#67
 1,3,5-Trichlorobenzene
 Concen: 4.657 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	31.2	24.6	36.8
145	34.9	27.0	40.6

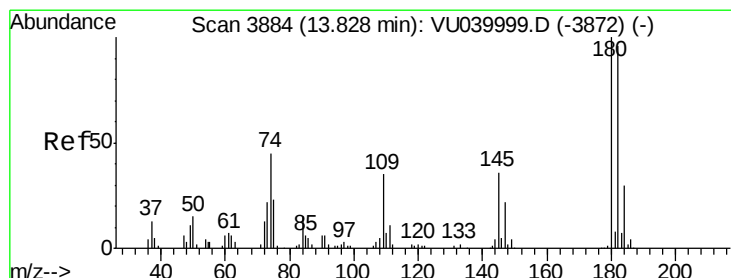
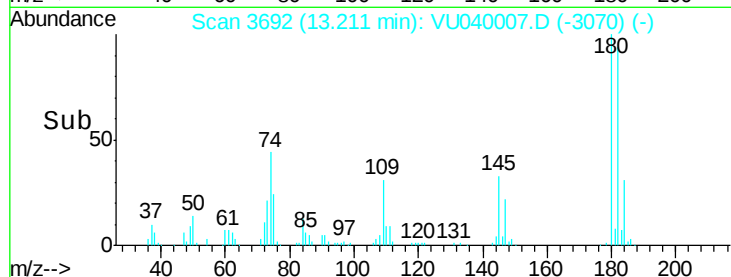
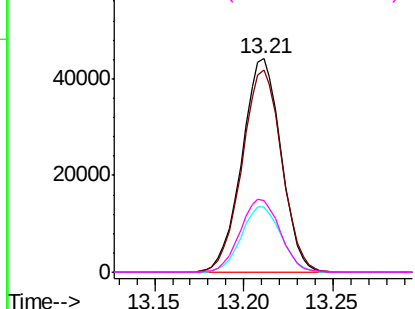


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

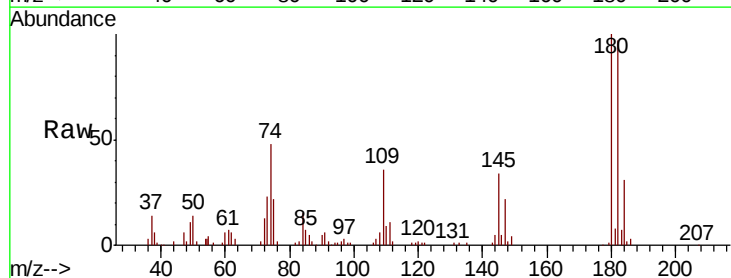
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.754 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040007.D
 Acq: 31 Aug 2020 16:02

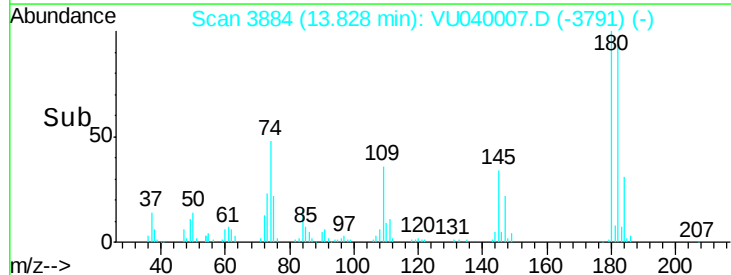
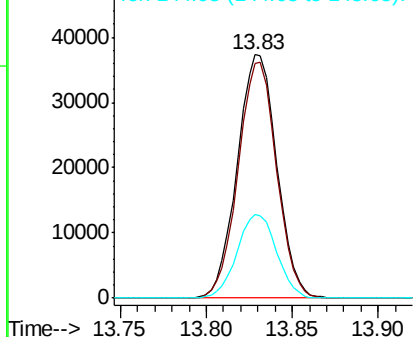
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.0	114.0
145	34.2	28.4	42.6

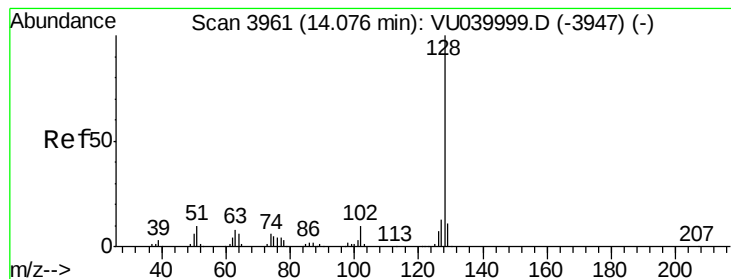


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.635 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

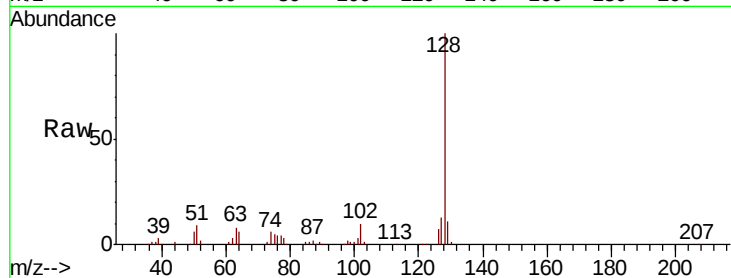
Tot Ion:128 Resp: 120770

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

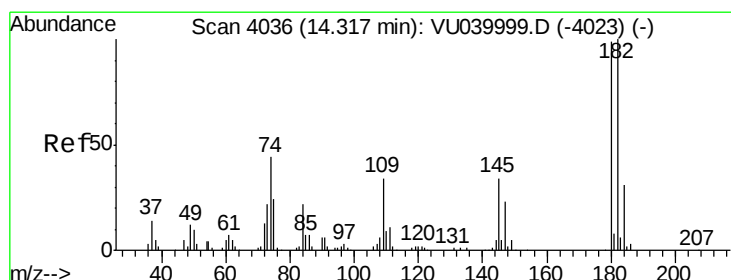
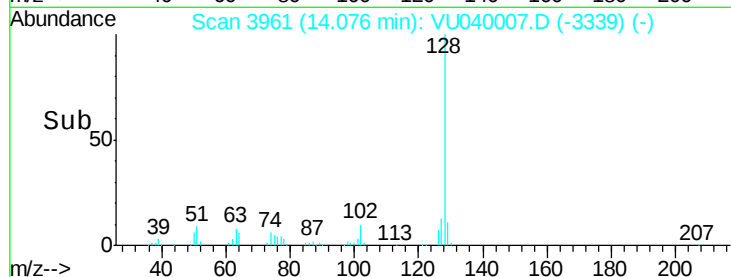
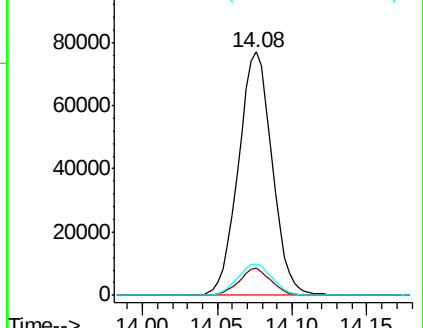
127 13.3 10.7 16.1



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: 4.706 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040007.D

Acq: 31 Aug 2020 16:02

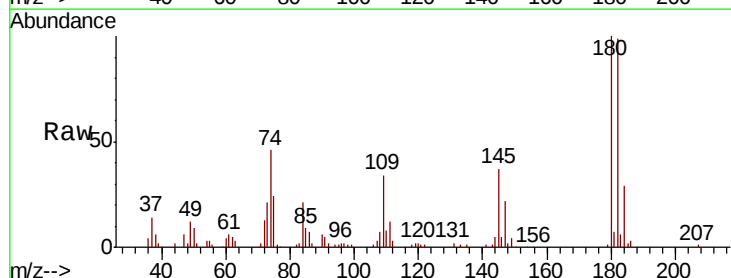
Tgt Ion:180 Resp: 54039

Ion Ratio Lower Upper

180 100

182 96.7 77.8 116.6

145 38.1 28.7 43.1



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

