

Data File : VU038671.D
Acq On : 08 Jun 2020 15:54
Operator : SY/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Quant Time: Jun 08 16:58:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060820WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jun 08 16:57:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	586735	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	570193	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	278444	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	15987	4.34	ug/L	0.00
7) Chloroethane-d5	1.93	69	13822	4.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	36085	4.79	ug/L	0.00
21) 2-Butanone-d5	4.67	46	30913	8.83	ug/L	0.00
24) Chloroform-d	5.10	84	35774	4.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	25676	5.18	ug/L	0.00
32) Benzene-d6	5.76	84	68243	4.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	20871	4.54	ug/L	0.00
41) Toluene-d8	7.92	98	60725	4.64	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	9819	4.29	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	20247	8.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	29117	4.28	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.21	152	25193	4.88	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.39	85	24293	5.501	ug/L	99
3) Chloromethane	1.54	50	24370	5.987	ug/L	94
5) Vinyl chloride	1.62	62	24251	5.393	ug/L	93
6) Bromomethane	1.88	94	11391	6.192	ug/L	89
8) Chloroethane	1.95	64	14074	5.122	ug/L	98
9) Trichlorofluoromethane	2.16	101	32758	5.436	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	19817	5.500	ug/L	98
12) 1,1-Dichloroethene	2.61	96	18660	5.245	ug/L	95
13) Acetone	2.66	43	28908	9.942	ug/L	97
14) Carbon disulfide	2.82	76	60582	5.222	ug/L	99
15) Methyl Acetate	2.98	43	26891	5.159	ug/L	97
16) Methylene chloride	3.08	84	22460	5.495	ug/L	96
17) trans-1,2-Dichloroethene	3.38	96	20523	5.371	ug/L	93
18) Methyl tert-butyl Ether	3.40	73	61993	5.059	ug/L	99
19) 1,1-Dichloroethane	3.91	63	38878	5.373	ug/L	96
20) cis-1,2-Dichloroethene	4.71	96	22711	5.426	ug/L	99
22) 2-Butanone	4.75	43	38588	9.465	ug/L #	70
23) Bromochloromethane	5.01	128	11180	5.395	ug/L	93
25) Chloroform	5.13	83	39001	5.241	ug/L	89
27) 1,2-Dichloroethane	5.83	62	32000	5.311	ug/L	97
29) Cyclohexane	5.43	56	32519	4.974	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	35382	5.706	ug/L	97
31) Carbon tetrachloride	5.56	117	28989	5.610	ug/L	94
33) Benzene	5.81	78	85791	5.357	ug/L	100
34) Trichloroethene	6.57	95	22151	5.406	ug/L	97
35) Methylcyclohexane	6.79	83	32342	5.028	ug/L	97
37) 1,2-Dichloropropane	6.82	63	21920	5.278	ug/L	98
38) Bromodichloromethane	7.13	83	27908	5.243	ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	31400	4.751	ug/L	94
40) 4-Methyl-2-pentanone	7.82	43	64140	9.711	ug/L	99

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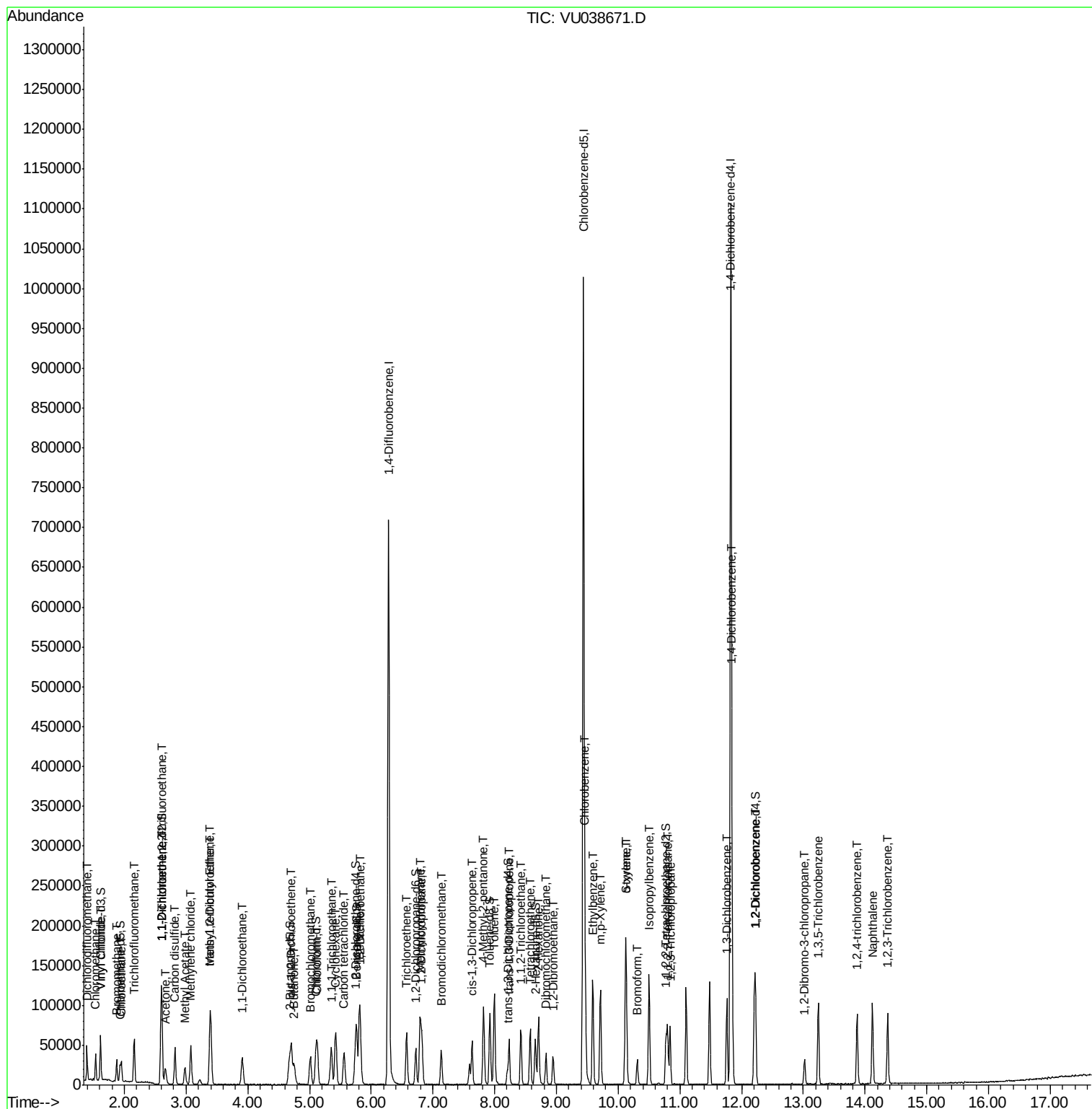
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	8.00	91	86924	5.170	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	29802	4.817	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	20816	5.281	ug/L	96
46) Tetrachloroethene	8.57	164	15501	5.175	ug/L	95
48) 2-Hexanone	8.71	43	51742	9.278	ug/L	99
49) Dibromochloromethane	8.83	129	19990	5.009	ug/L	98
50) 1,2-Dibromoethane	8.95	107	21791	5.144	ug/L	96
51) Chlorobenzene	9.47	112	56765	5.253	ug/L	96
52) Ethylbenzene	9.59	91	91978	4.883	ug/L	100
53) m,p-Xylene	9.71	106	35326	4.904	ug/L	100
54) o-xylene	10.12	106	33356	4.762	ug/L	100
55) Styrene	10.13	104	55864	4.641	ug/L	99
56) Isopropylbenzene	10.50	105	86816	4.743	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	34894	5.174	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	29638	5.103	ug/L	98
61) Bromoform	10.31	173	13677	4.889	ug/L	94
62) 1,3-Dichlorobenzene	11.76	146	43143	5.300	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	43930	5.309	ug/L	95
65) 1,2-Dichlorobenzene	12.23	146	42700	5.290	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.02	75	7992	4.836	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	30424	5.252	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	27182	4.892	ug/L	96
69) Naphthalene	14.12	128	82911	4.168	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	26686	4.808	ug/L	96

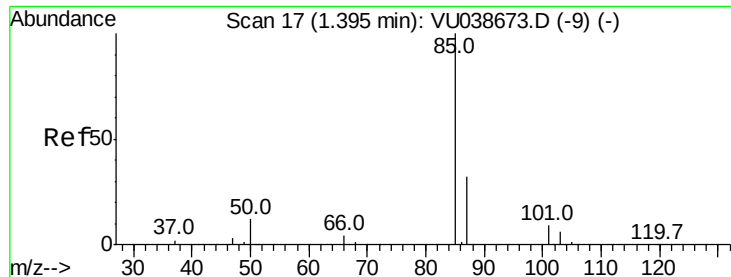
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.501 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

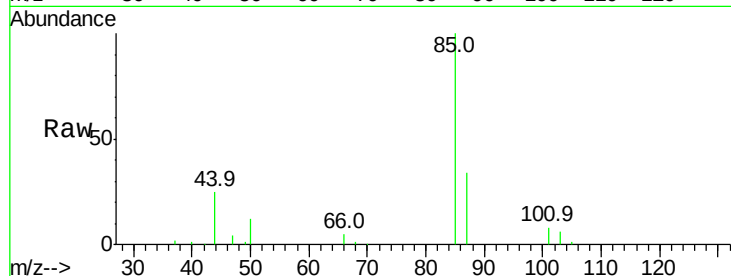
VSTD00536

Tgt Ion: 85 Resp: 24293

Ion Ratio Lower Upper

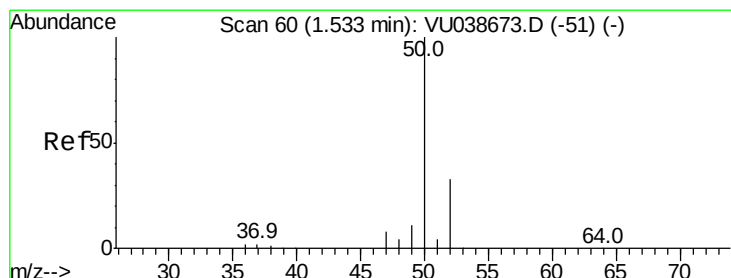
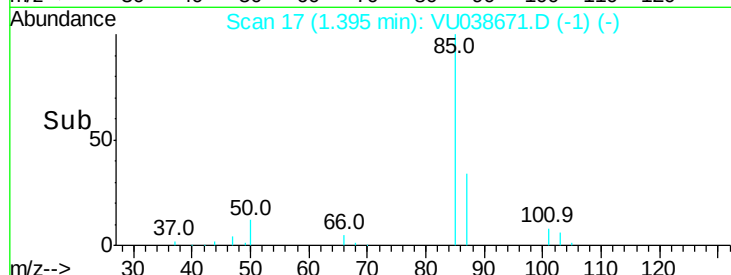
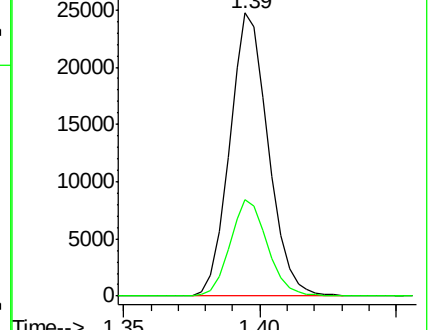
85 100

87 33.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU038671.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038671.D (-1) (-)



#3

Chloromethane

Concen: 5.987 ug/L

RT: 1.54 min Scan# 61

Delta R.T. 0.00 min

Lab File: VU038671.D

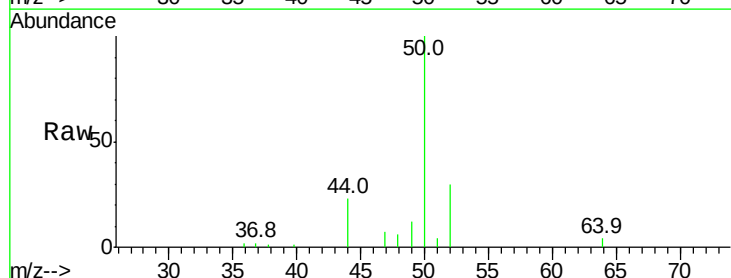
Acq: 08 Jun 2020 15:54

Tgt Ion: 50 Resp: 24370

Ion Ratio Lower Upper

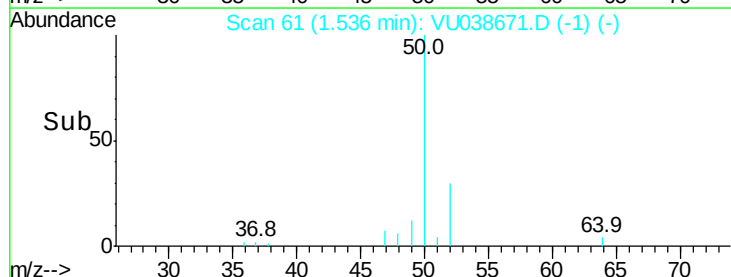
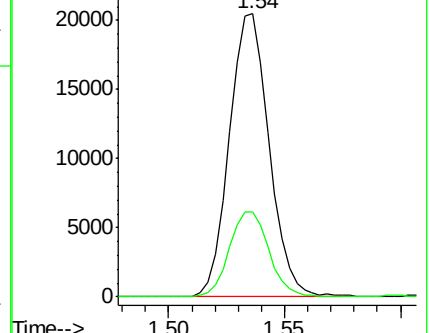
50 100

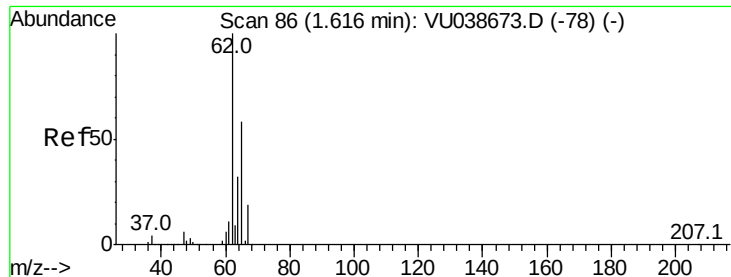
52 30.1 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038671.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU038671.D (-1) (-)





#5

Vinyl chloride

Concen: 5.393 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

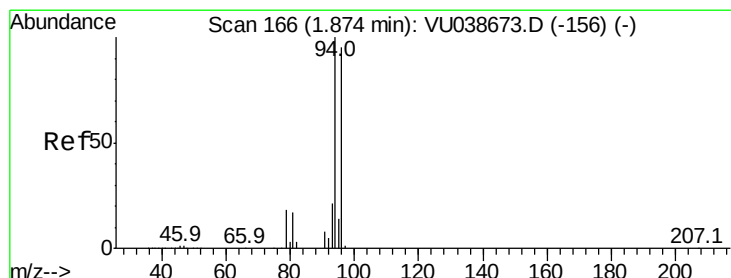
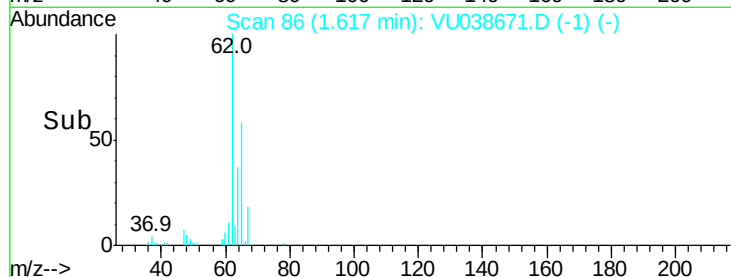
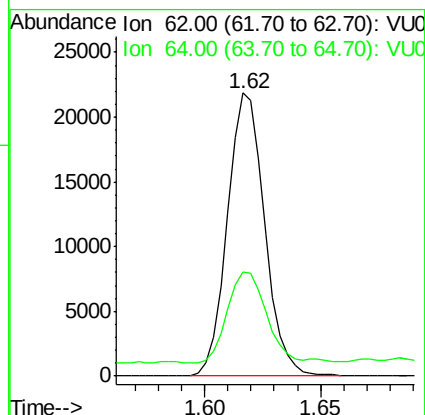
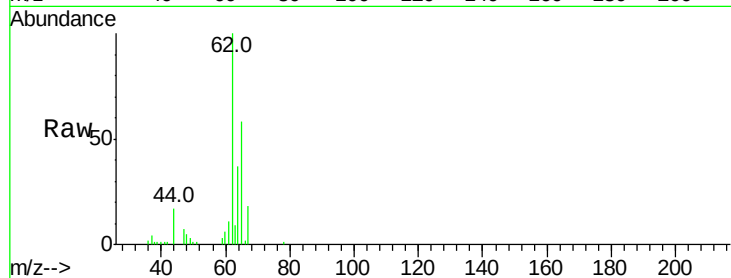
VSTD00536

Tgt Ion: 62 Resp: 24251

Ion Ratio Lower Upper

62 100

64 36.9 23.0 42.8



#6

Bromomethane

Concen: 6.192 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038671.D

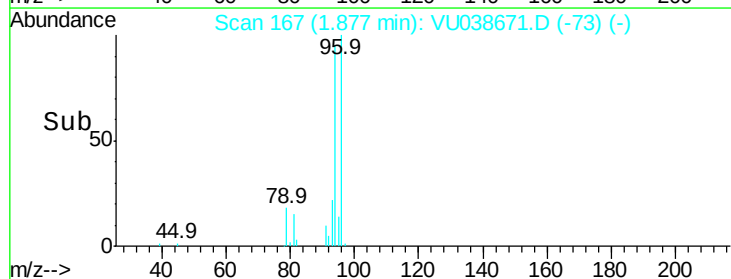
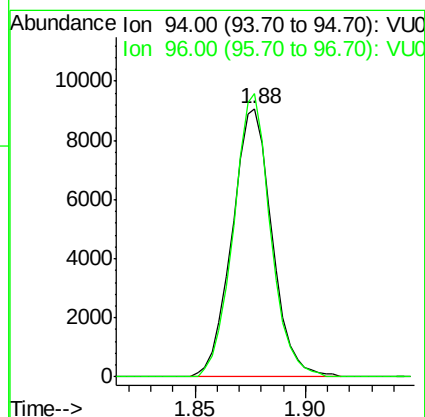
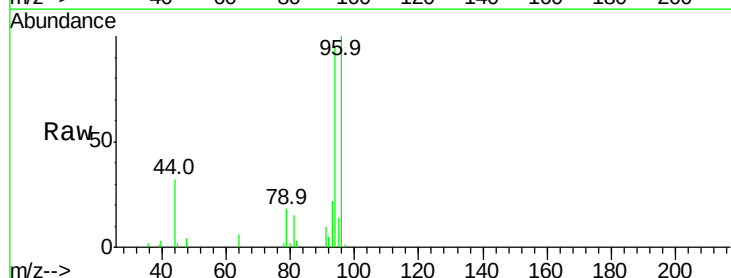
Acq: 08 Jun 2020 15:54

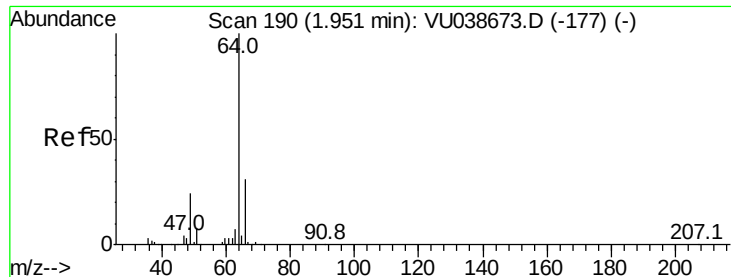
Tgt Ion: 94 Resp: 11391

Ion Ratio Lower Upper

94 100

96 105.5 66.2 123.0

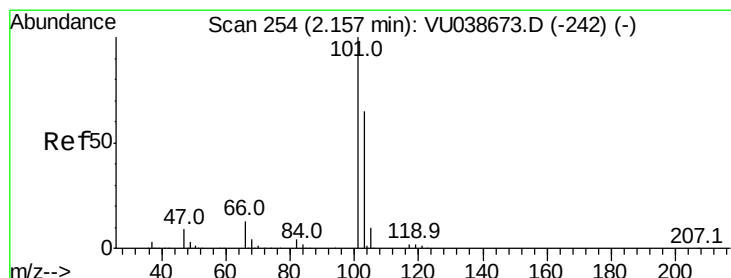
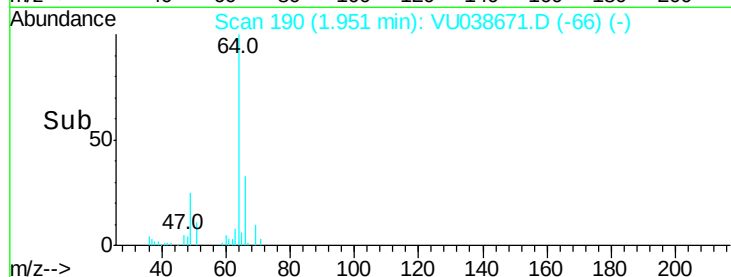
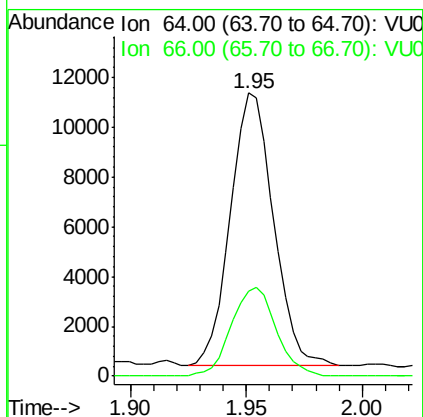
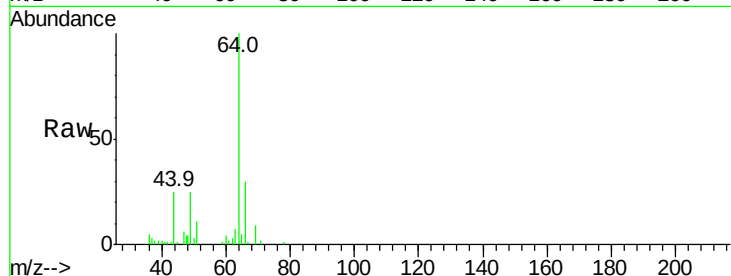




#8
Chloroethane
Concen: 5.122 ug/L
RT: 1.95 min Scan# 190
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

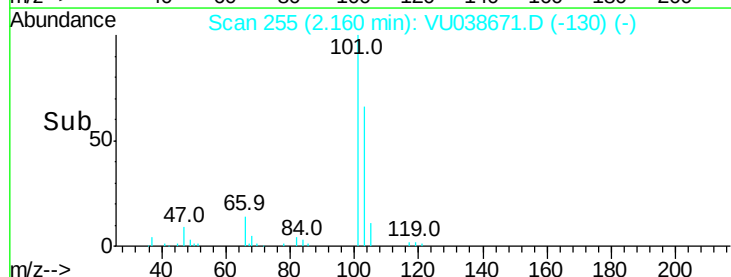
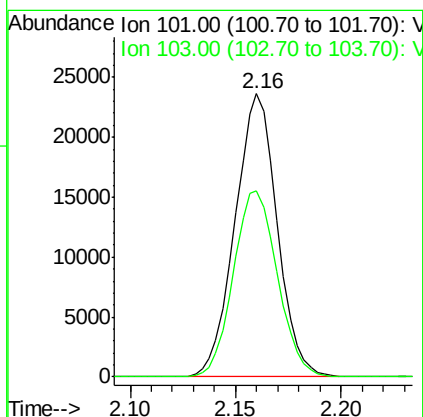
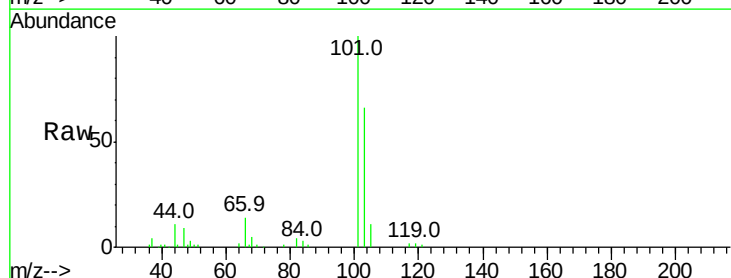
Instrument :
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ClientSampleId :
VSTD00536

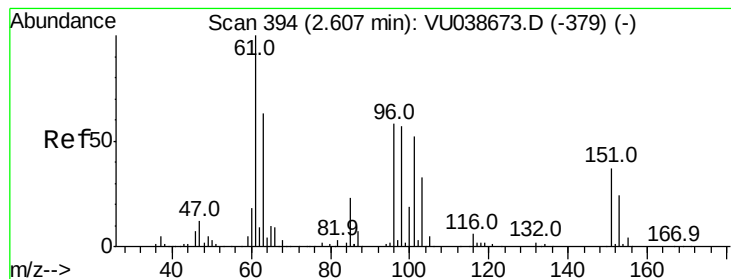
Tgt Ion: 64 Resp: 14074
Ion Ratio Lower Upper
64 100
66 29.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 5.436 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 101 Resp: 32758
Ion Ratio Lower Upper
101 100
103 68.5 51.7 77.5





#10

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

Concen: 5.500 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

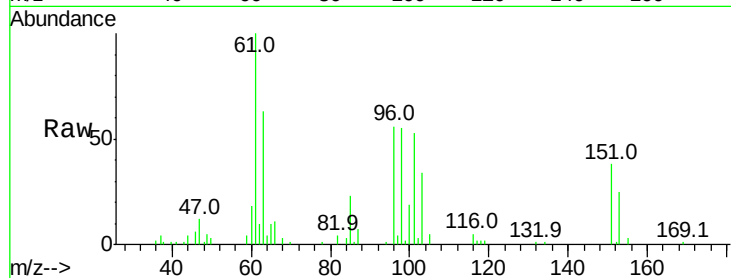
Tgt Ion: 101 Resp: 19817

Ion Ratio Lower Upper

101 100

85 42.4 35.1 52.7

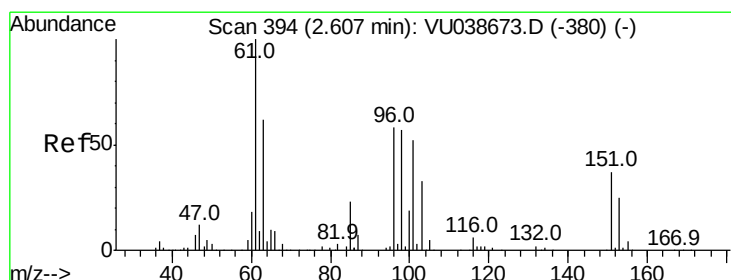
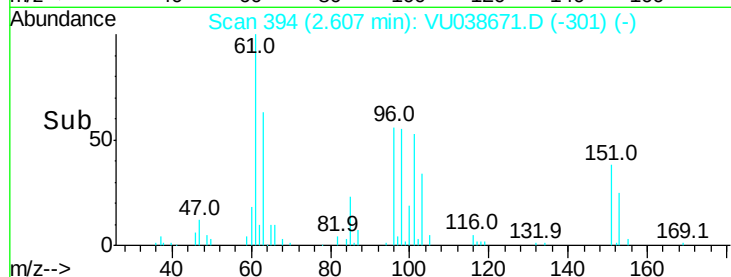
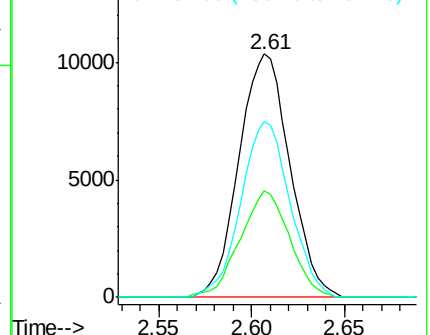
151 69.6 57.4 86.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.245 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

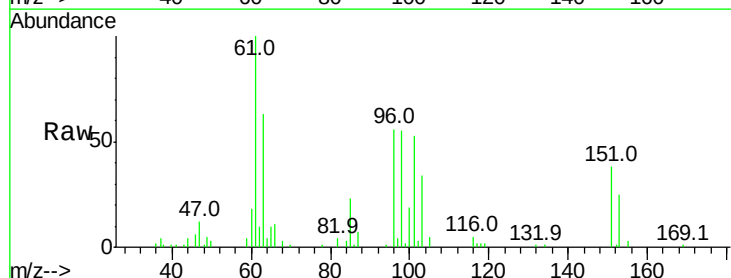
Tgt Ion: 96 Resp: 18660

Ion Ratio Lower Upper

96 100

61 178.7 120.0 223.0

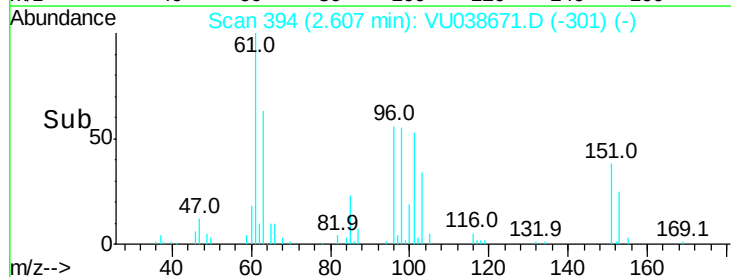
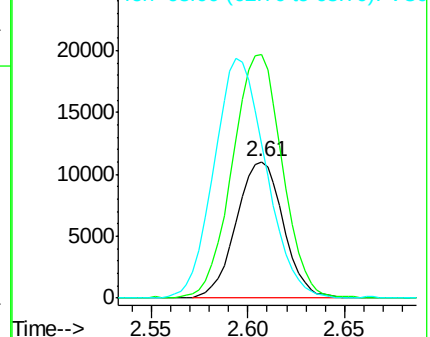
63 112.9 75.8 140.8

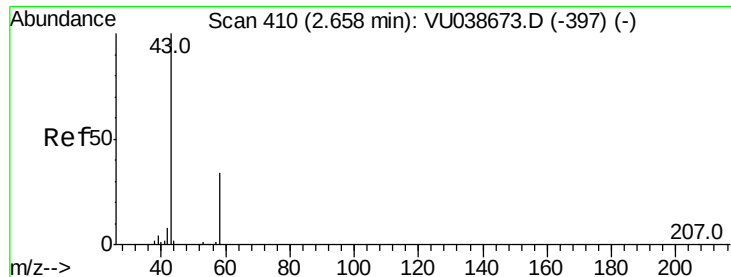


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 9.942 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.01 min

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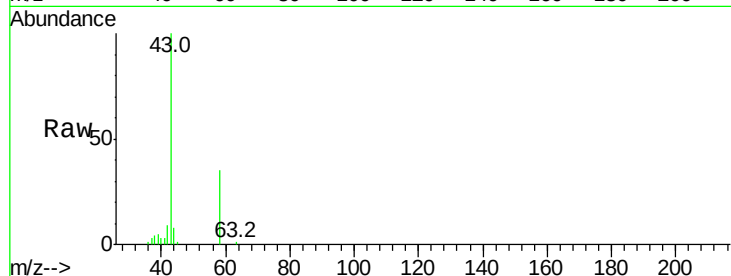
VSTD00536

Tgt Ion: 43 Resp: 28908

Ion Ratio Lower Upper

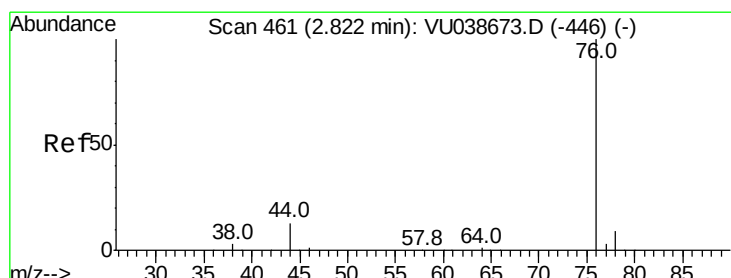
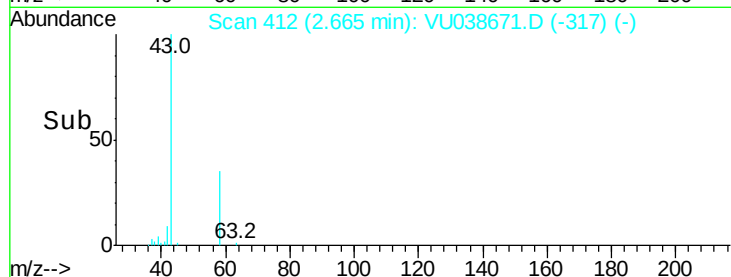
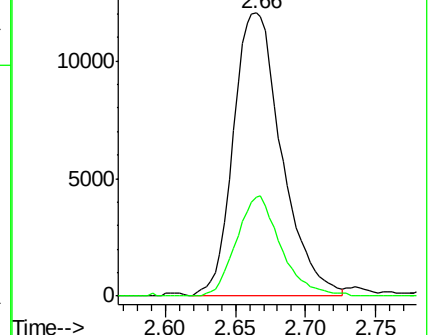
43 100

58 32.4 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VU038671.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU038671.D (-397) (-)



#14

Carbon disulfide

Concen: 5.222 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038671.D

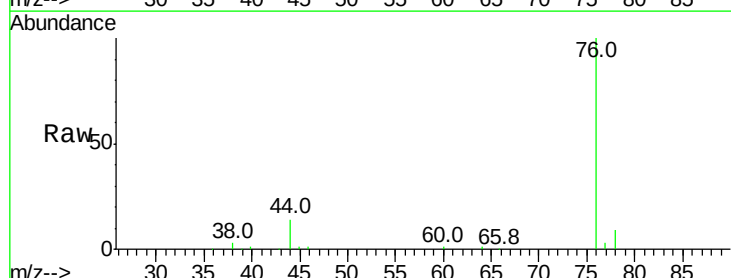
Acq: 08 Jun 2020 15:54

Tgt Ion: 76 Resp: 60582

Ion Ratio Lower Upper

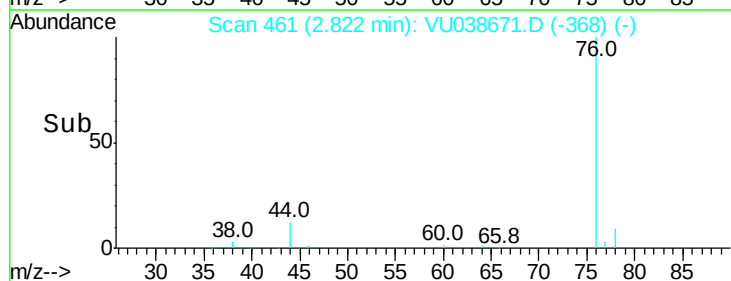
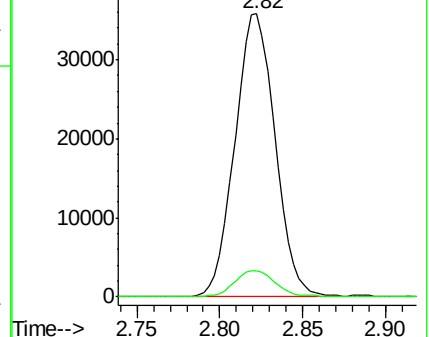
76 100

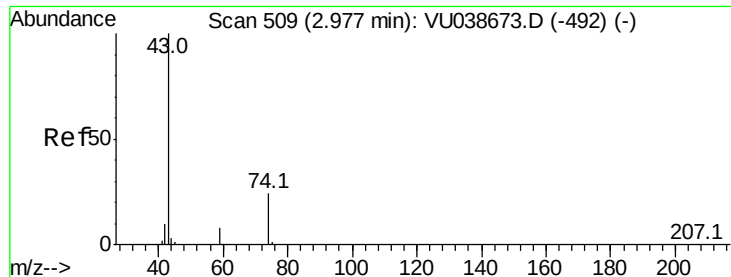
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU038671.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VU038671.D (-368) (-)





#15

Methyl Acetate

Concen: 5.159 ug/L

RT: 2.98 min Scan# 511

Delta R.T. 0.01 min

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Acq: 08 Jun 2020 15:54

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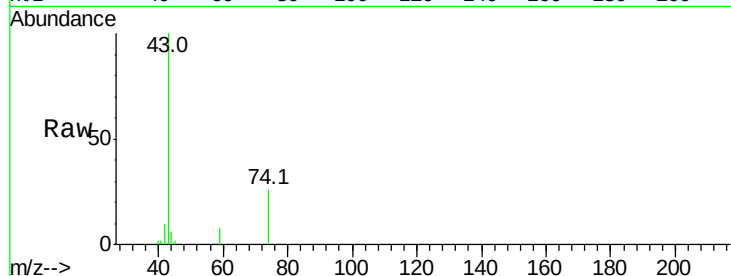
VSTD00536

Tgt Ion: 43 Resp: 26891

Ion Ratio Lower Upper

43 100

74 26.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VU038671.D (-511) (-)

Ion 74.00 (73.70 to 74.70): VU038671.D (-511) (-)

2.98

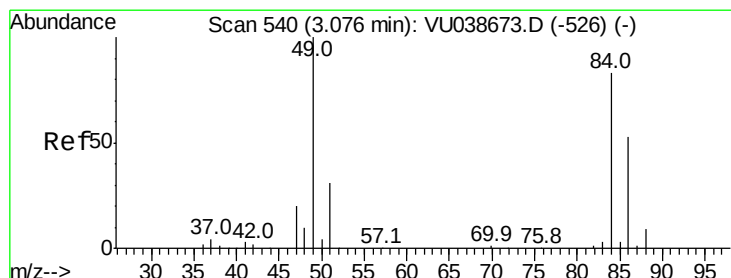
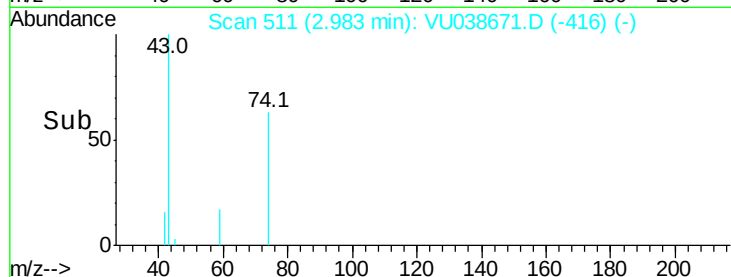
15000

10000

5000

0

Time--> 2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 5.495 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

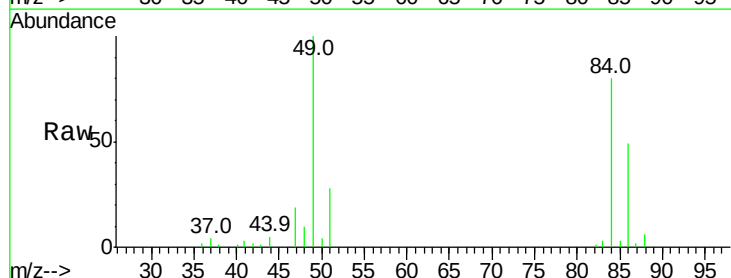
Tgt Ion: 84 Resp: 22460

Ion Ratio Lower Upper

84 100

86 61.3 44.7 83.1

49 125.4 84.5 156.9



Abundance Ion 84.00 (83.70 to 84.70): VU038671.D (-540) (-)

Ion 86.00 (85.70 to 86.70): VU038671.D (-540) (-)

Ion 49.00 (48.70 to 49.70): VU038671.D (-540) (-)

3.08

20000

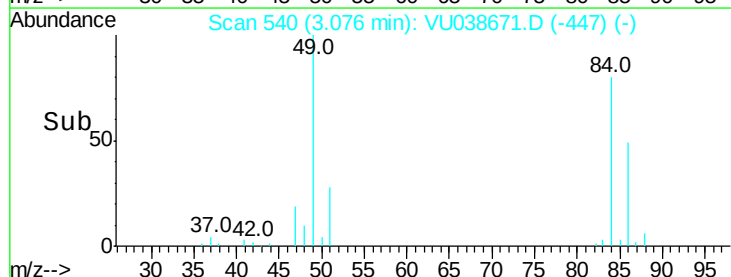
15000

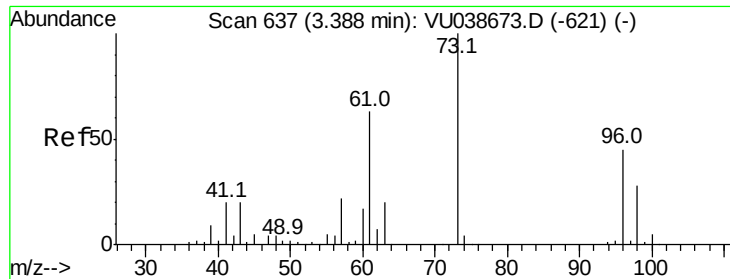
10000

5000

0

Time--> 3.00 3.05 3.10 3.15

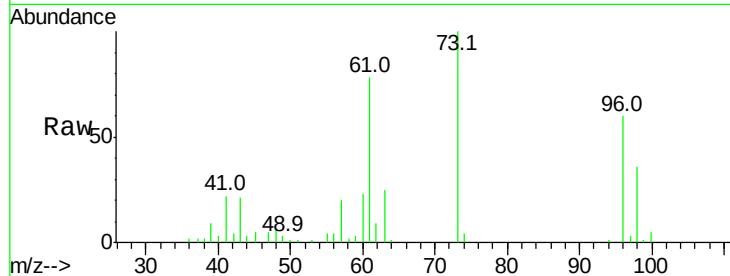




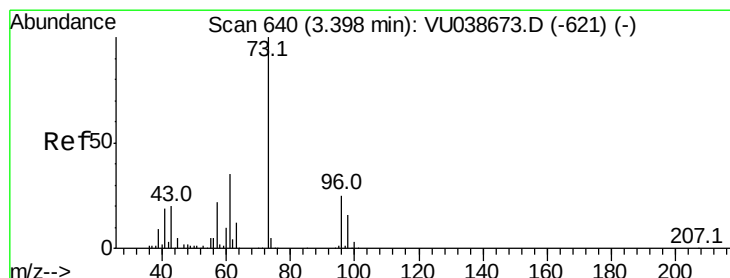
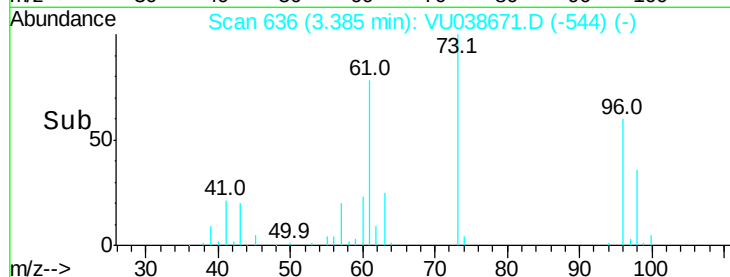
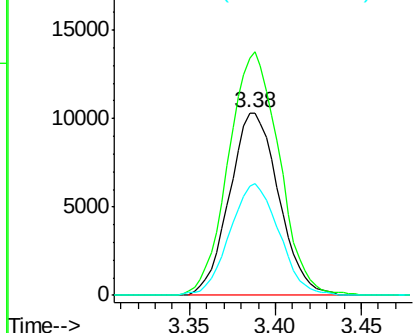
#17
trans-1,2-Dichloroethene
Concen: 5.371 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

Tgt Ion: 96 Resp: 20523
Ion Ratio Lower Upper
96 100
61 130.2 98.2 182.4
98 60.1 44.3 82.3

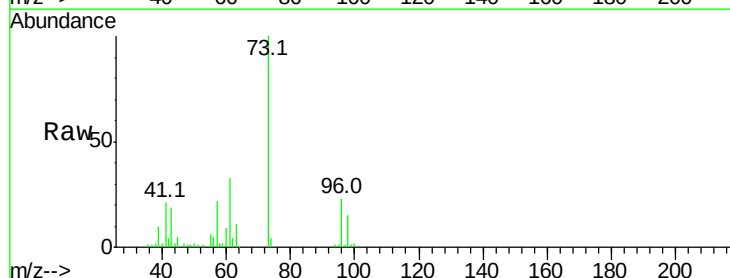


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

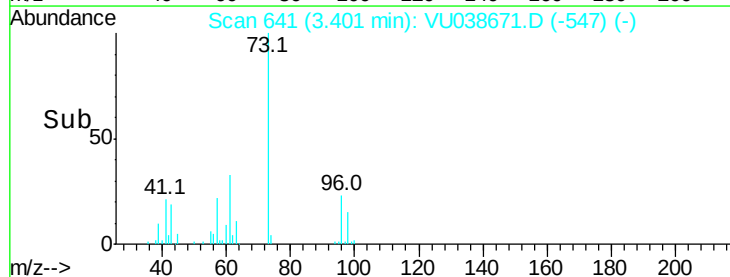
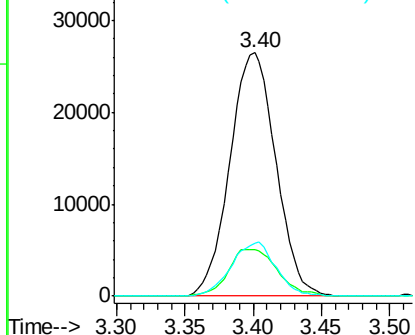


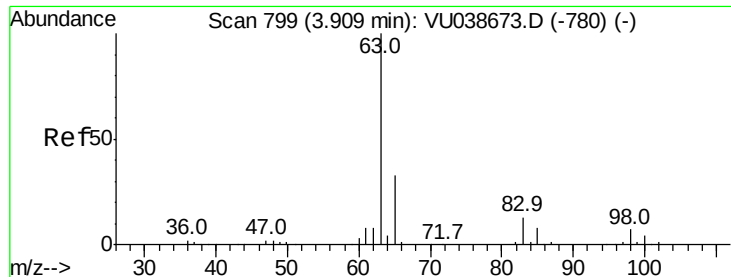
#18
Methyl tert-butyl Ether
Concen: 5.059 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 73 Resp: 61993
Ion Ratio Lower Upper
73 100
43 20.6 15.6 23.4
57 21.4 17.2 25.8



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 5.373 ug/L

RT: 3.91 min Scan# 800

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

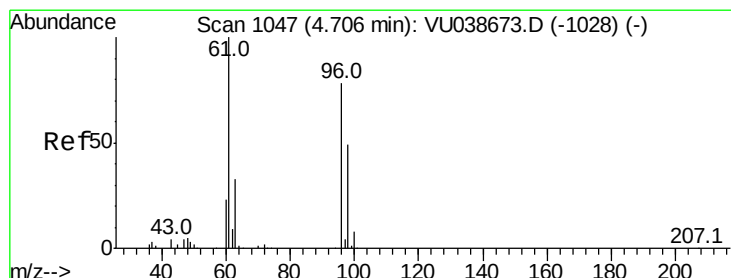
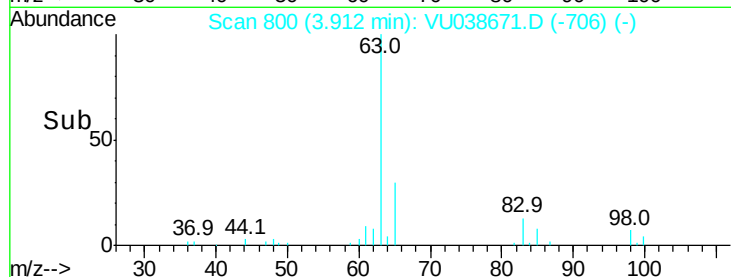
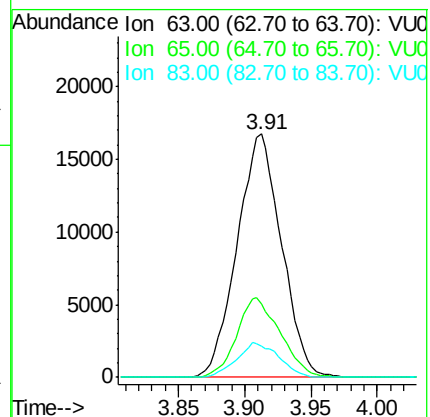
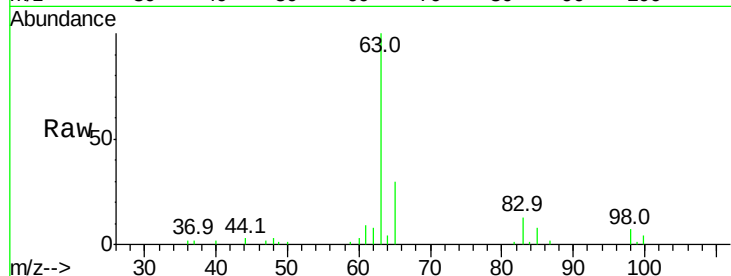
Tgt Ion: 63 Resp: 38878

Ion Ratio Lower Upper

63 100

65 30.1 23.0 42.8

83 12.6 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 5.426 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

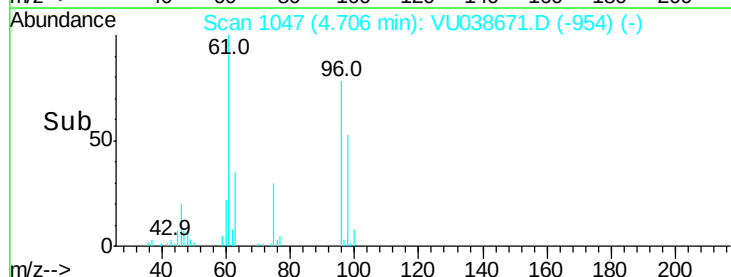
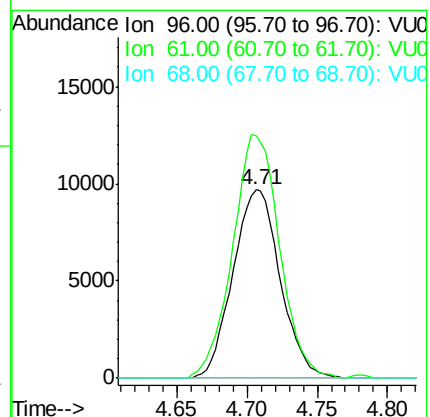
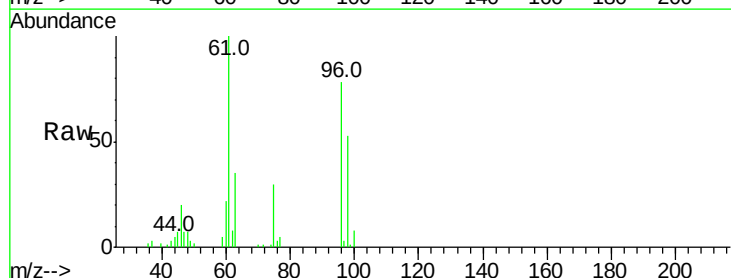
Tgt Ion: 96 Resp: 22711

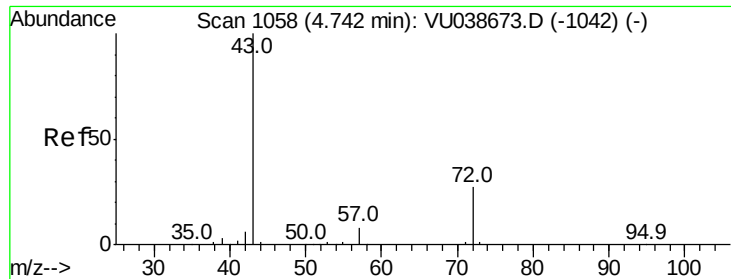
Ion Ratio Lower Upper

96 100

61 128.7 89.5 166.1

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 9.465 ug/L

RT: 4.75 min Scan# 1061

Delta R.T. 0.01 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

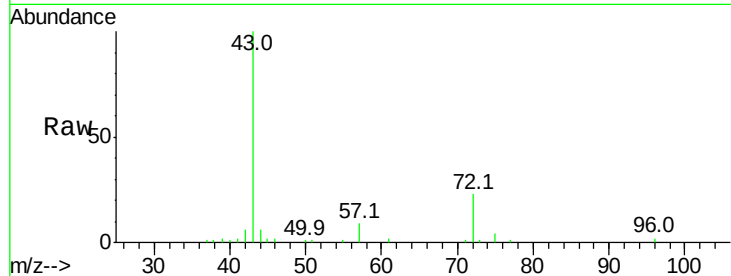
VSTD00536

Tgt Ion: 43 Resp: 38588

Ion Ratio Lower Upper

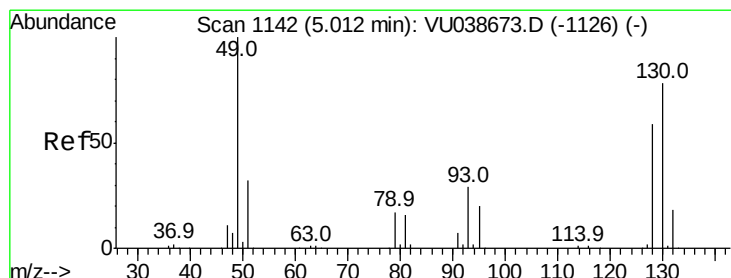
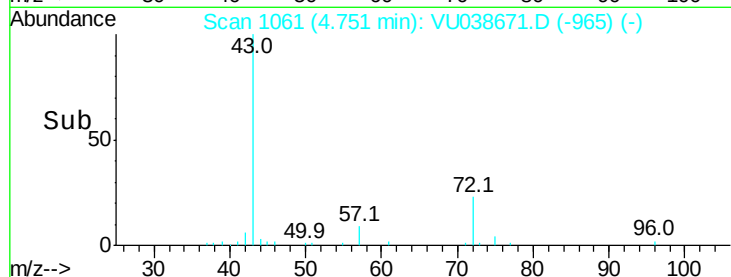
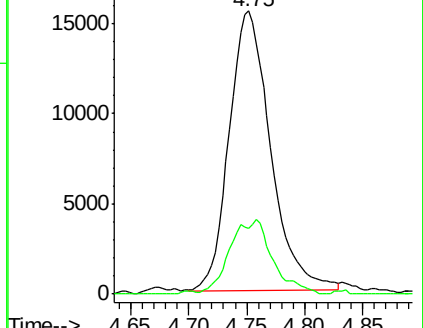
43 100

72 12.3 14.1 42.3#



Abundance Ion 43.00 (42.70 to 43.70): VU038671.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU038671.D (-1042) (-)



#23

Bromochloromethane

Concen: 5.395 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Tgt Ion: 128 Resp: 11180

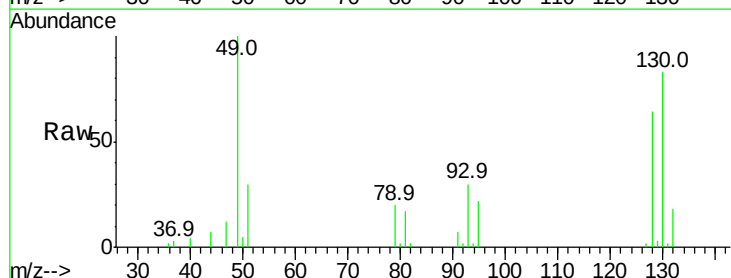
Ion Ratio Lower Upper

128 100

49 155.7 118.6 220.2

130 129.8 92.5 171.7

51 46.0 43.1 64.7

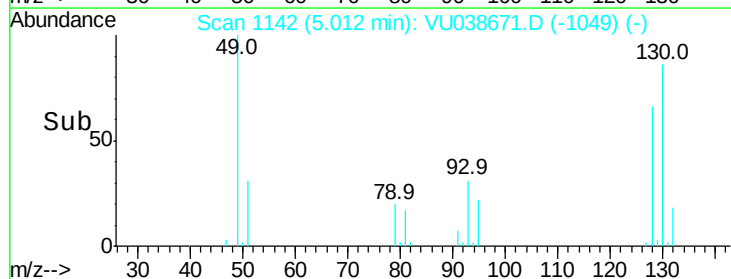
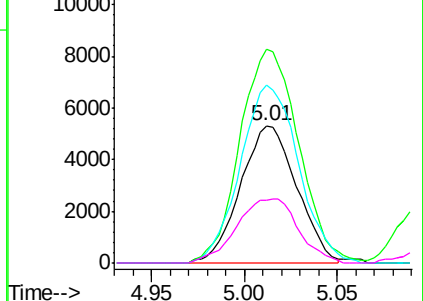


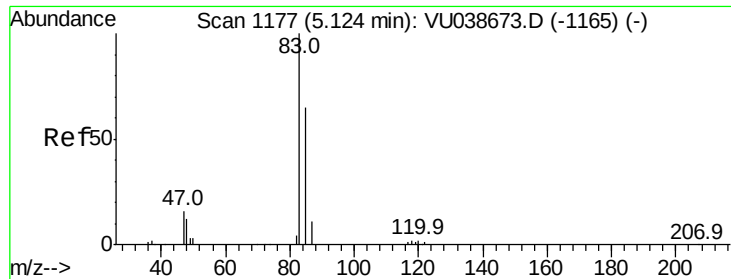
Abundance Ion 128.00 (127.70 to 128.70): VU038671.D (-1049) (-)

Ion 49.00 (48.70 to 49.70): VU038671.D (-1049) (-)

Ion 130.00 (129.70 to 130.70): VU038671.D (-1049) (-)

Ion 51.00 (50.70 to 51.70): VU038671.D (-1049) (-)

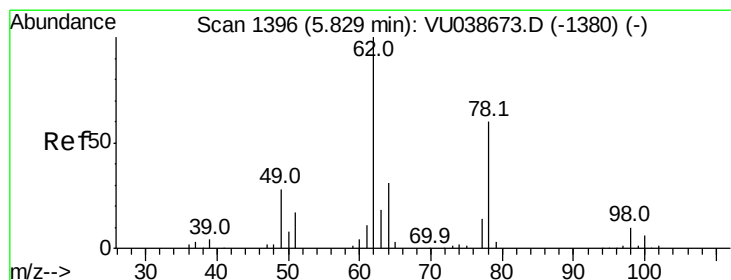
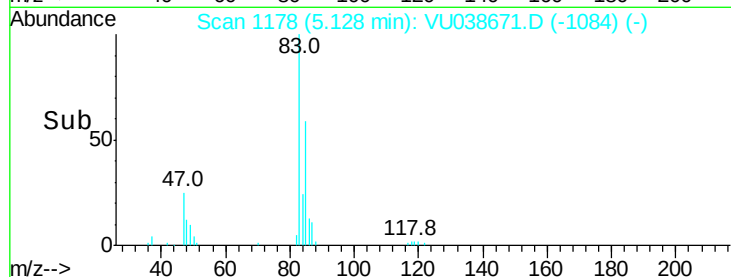
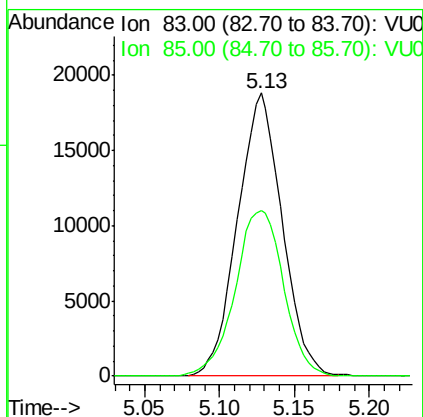
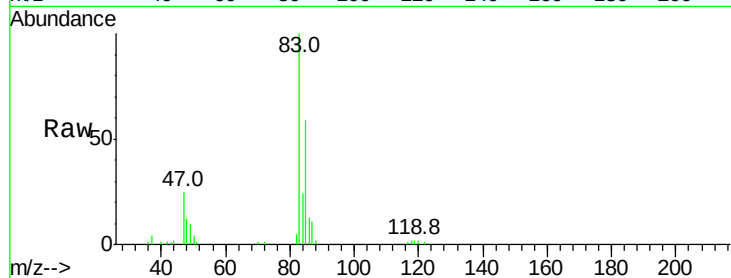




#25
Chloroform
Concen: 5.241 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

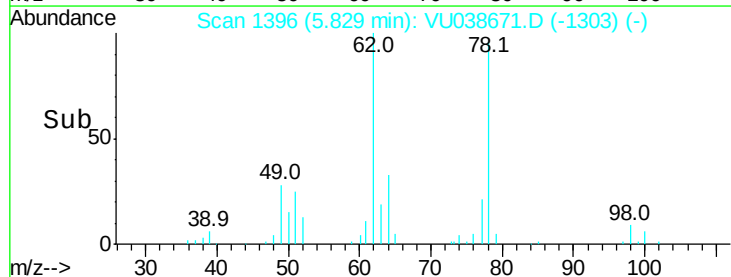
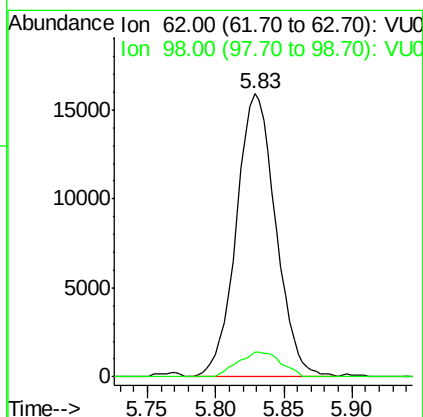
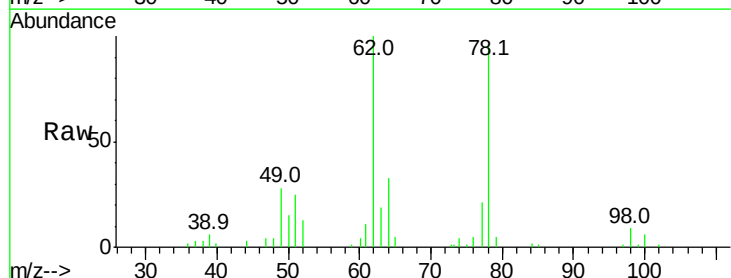
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

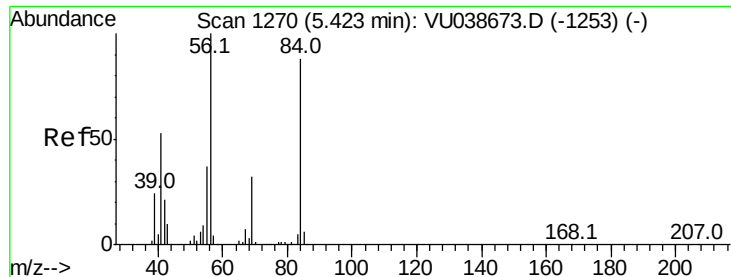
Tgt Ion: 83 Resp: 39001
Ion Ratio Lower Upper
83 100
85 58.7 47.0 87.4



#27
1,2-Dichloroethane
Concen: 5.311 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 62 Resp: 32000
Ion Ratio Lower Upper
62 100
98 8.6 7.8 11.6

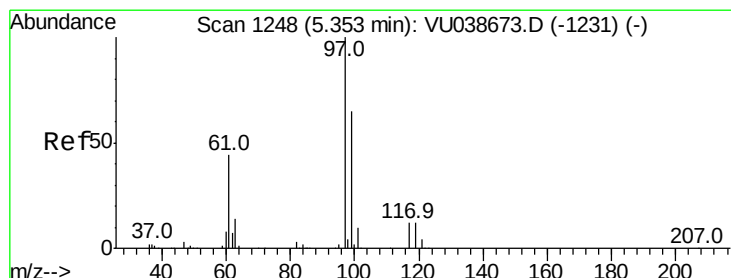
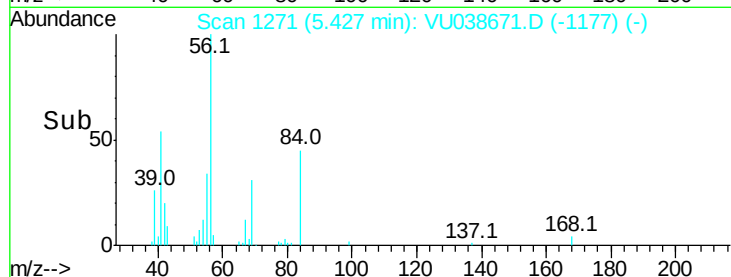
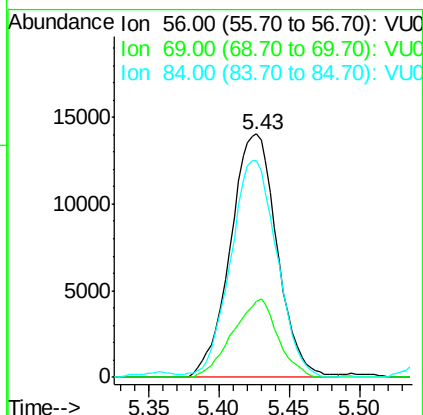
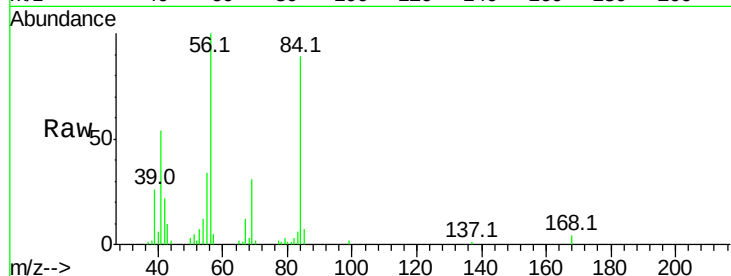




#29
Cyclohexane
Concen: 4.974 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

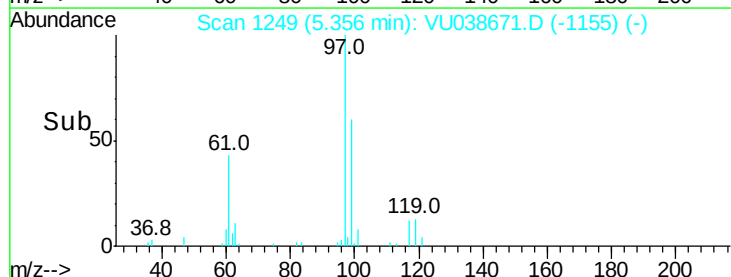
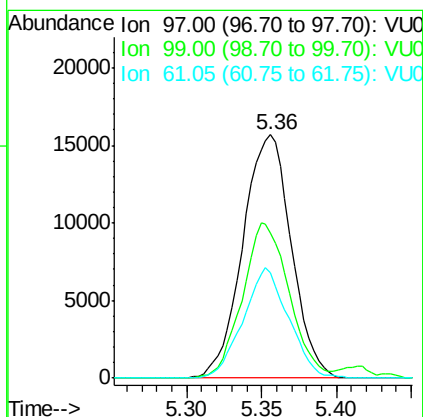
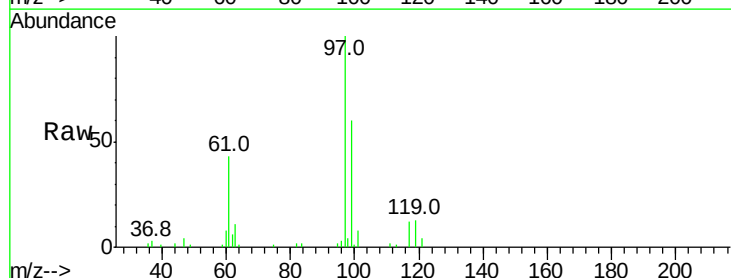
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

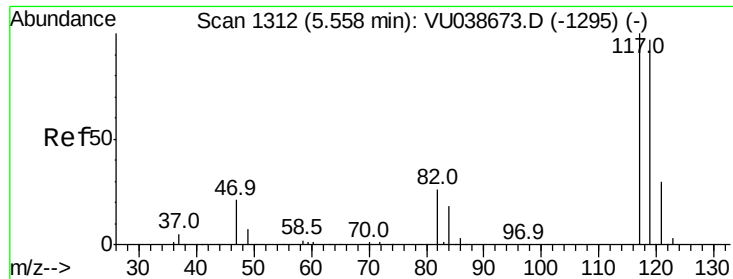
Tgt Ion: 56 Resp: 32519
Ion Ratio Lower Upper
56 100
69 31.0 25.1 37.7
84 89.1 70.5 105.7



#30
1,1,1-Trichloroethane
Concen: 5.706 ug/L
RT: 5.36 min Scan# 1249
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 97 Resp: 35382
Ion Ratio Lower Upper
97 100
99 61.5 51.6 77.4
61 42.4 35.2 52.8

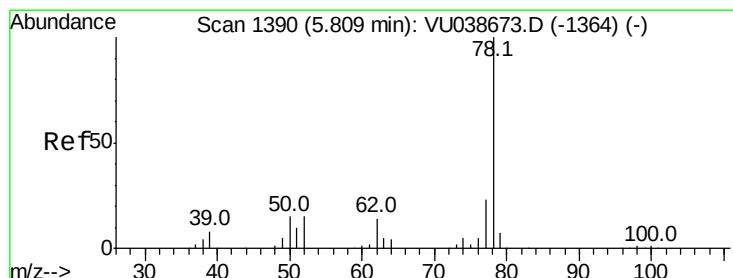
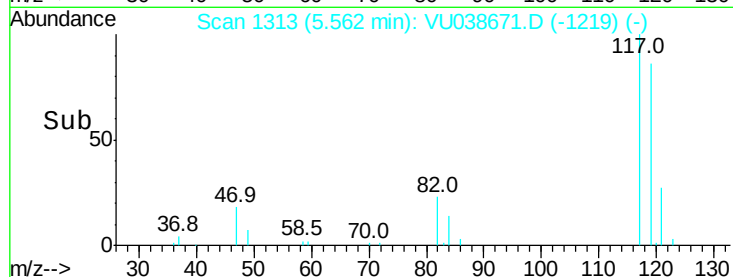
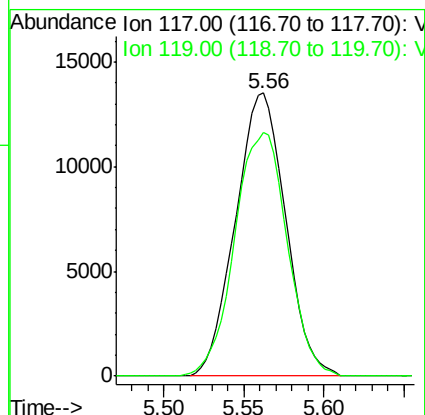
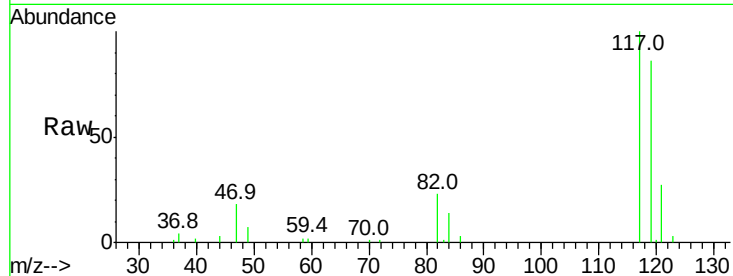




#31
Carbon tetrachloride
Concen: 5.610 ug/L
RT: 5.56 min Scan# 1313
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

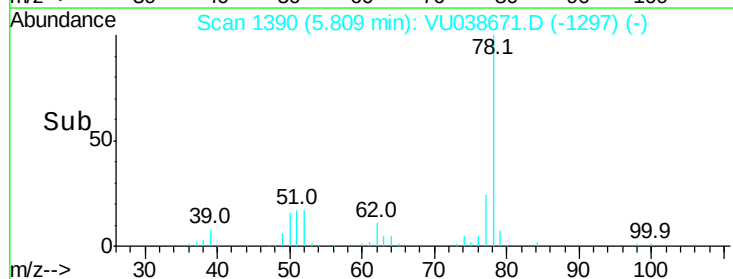
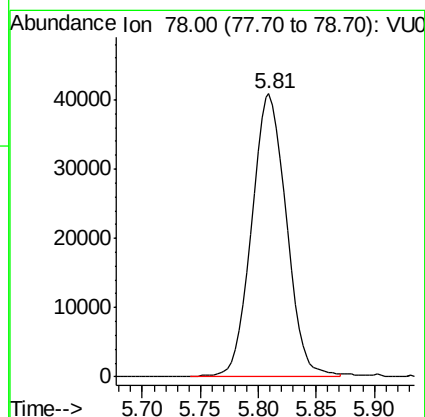
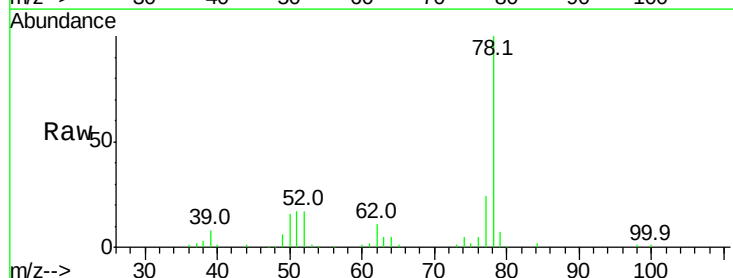
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

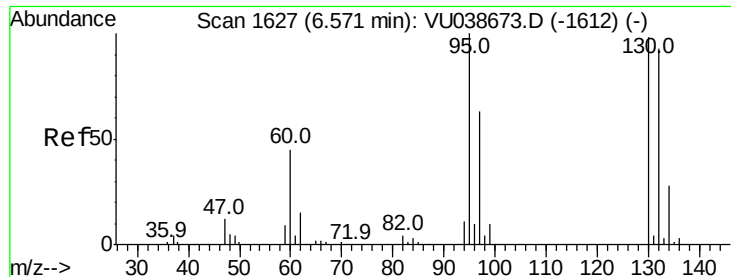
Tgt Ion:117 Resp: 28989
Ion Ratio Lower Upper
117 100
119 90.2 76.6 114.8



#33
Benzene
Concen: 5.357 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 78 Resp: 85791

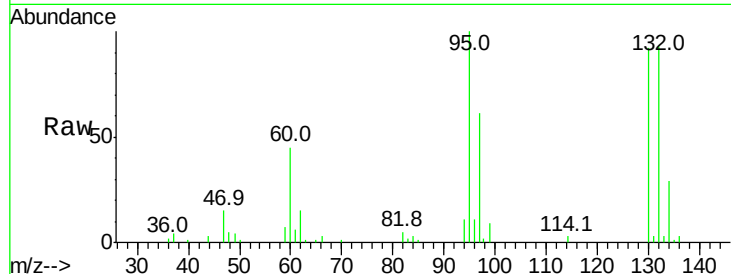




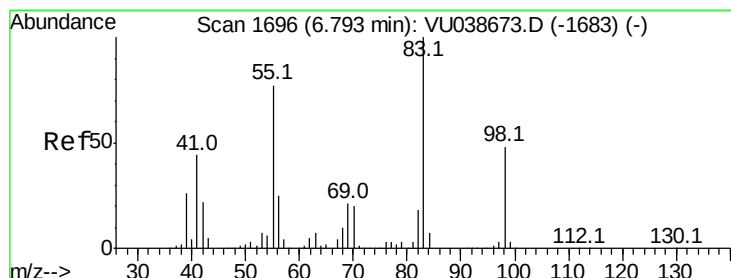
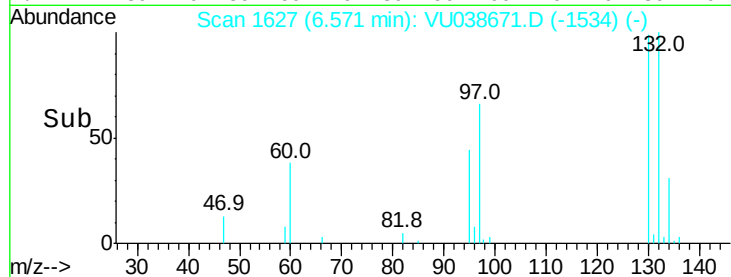
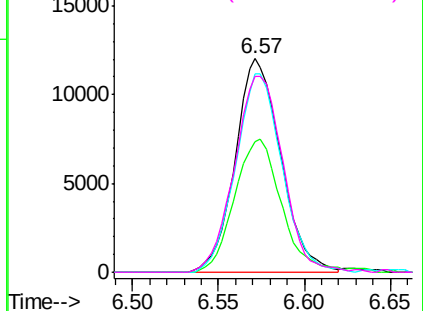
#34
 Trichloroethene
 Concen: 5.406 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

Tgt Ion:	95	Resp:	22151
Ion	Ratio	Lower	Upper
95	100		
97	61.0	44.4	82.4
132	93.0	64.9	120.5
130	91.6	68.6	127.4

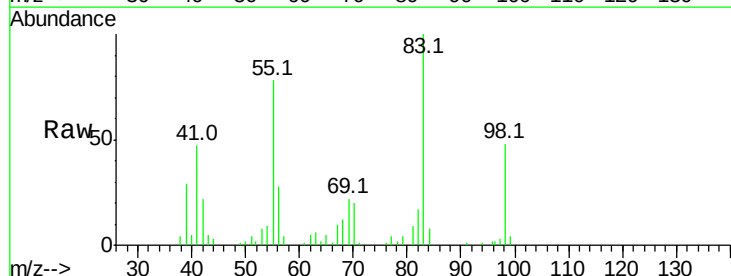


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

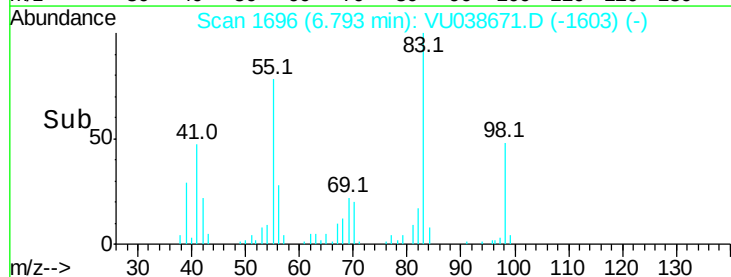
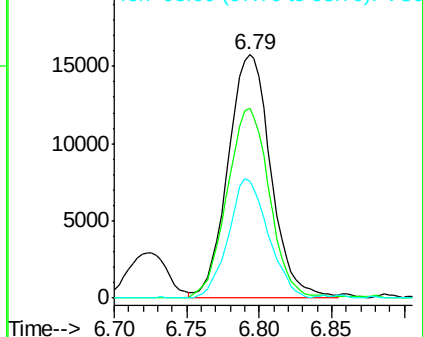


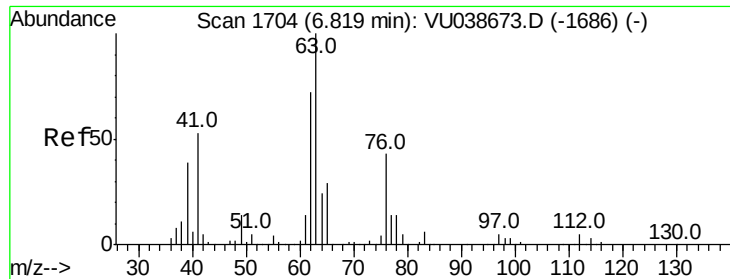
#35
 Methylcyclohexane
 Concen: 5.028 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion:	83	Resp:	32342
Ion	Ratio	Lower	Upper
83	100		
55	77.2	63.2	94.8
98	45.5	38.4	57.6



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

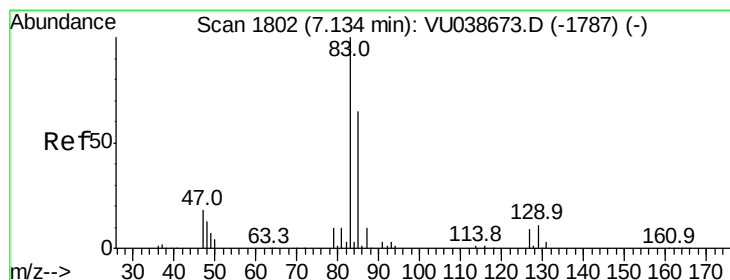
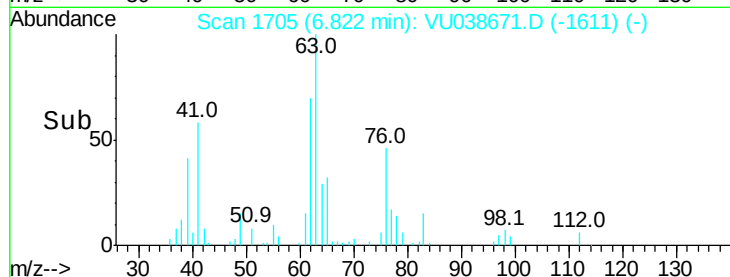
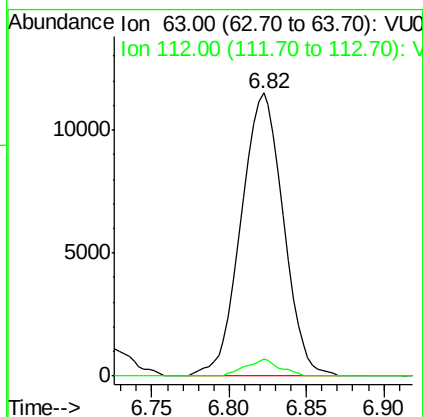
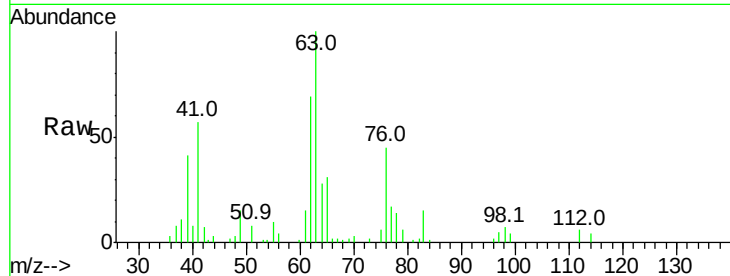




#37
 1,2-Dichloropropane
 Concen: 5.278 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

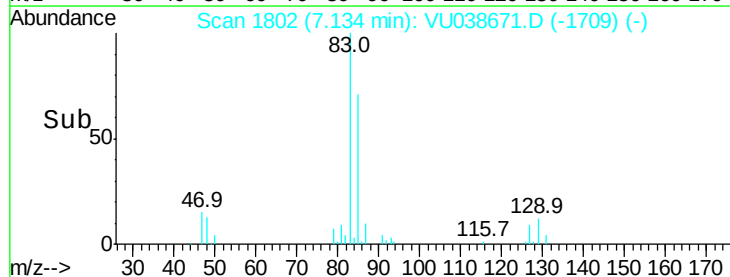
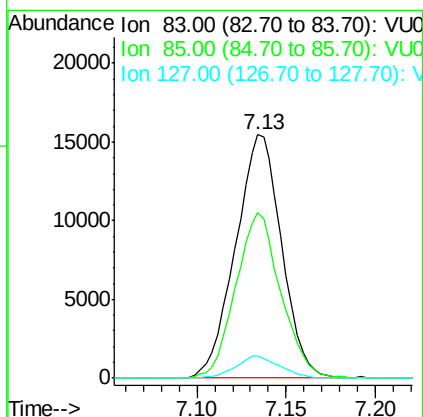
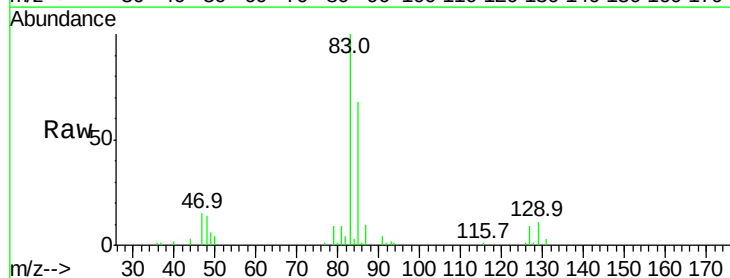
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

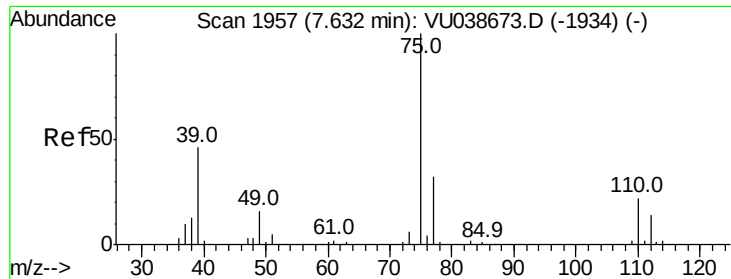
Tgt Ion: 63 Resp: 21920
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.243 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion: 83 Resp: 27908
 Ion Ratio Lower Upper
 83 100
 85 68.0 45.1 83.9
 127 10.1 7.0 10.4

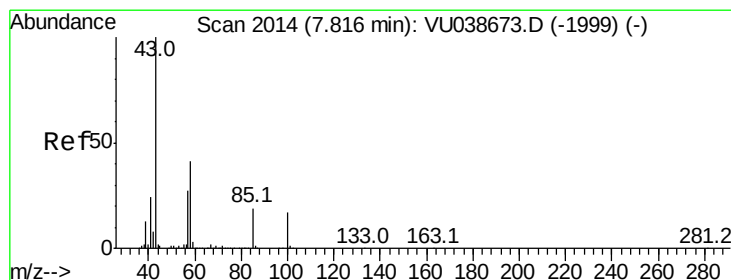
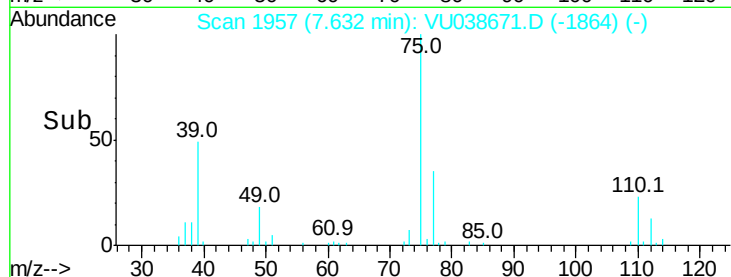
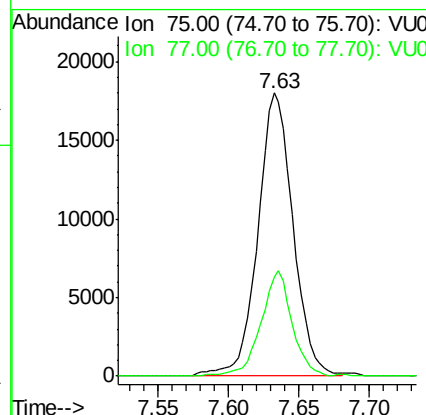
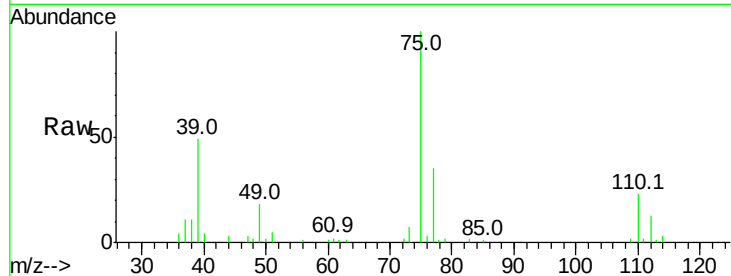




#39
 cis-1,3-Dichloropropene
 Concen: 4.751 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

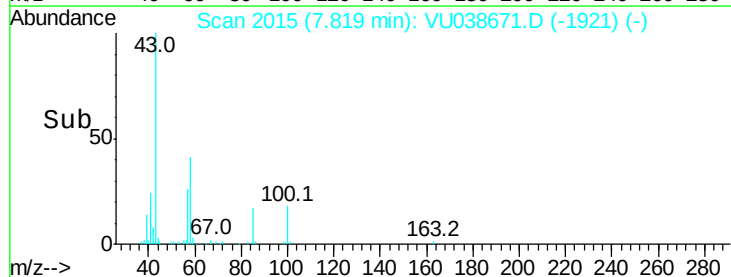
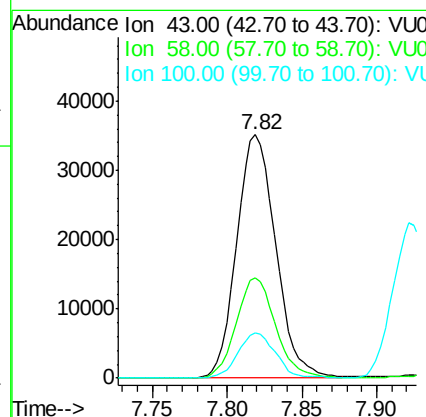
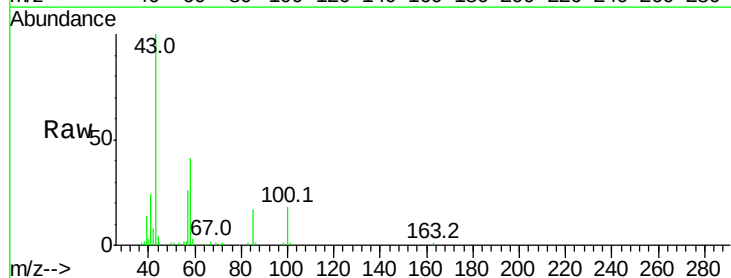
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

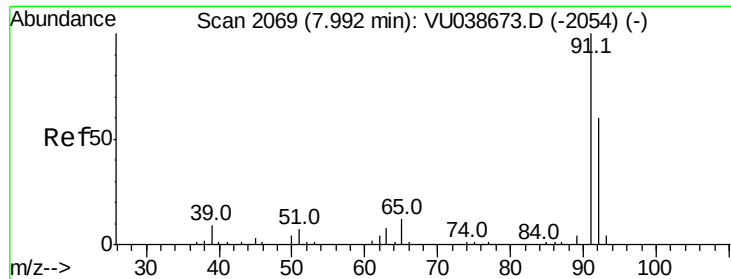
Tgt Ion: 75 Resp: 31400
 Ion Ratio Lower Upper
 75 100
 77 35.2 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 9.711 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion: 43 Resp: 64140
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.0 49.4
 100 17.4 13.4 20.0





#42

Toluene

Concen: 5.170 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

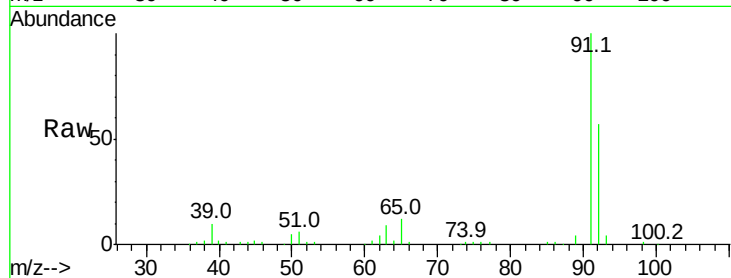
VSTD00536

Tgt Ion: 91 Resp: 86924

Ion Ratio Lower Upper

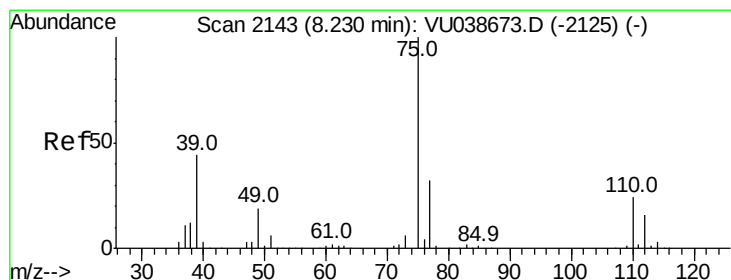
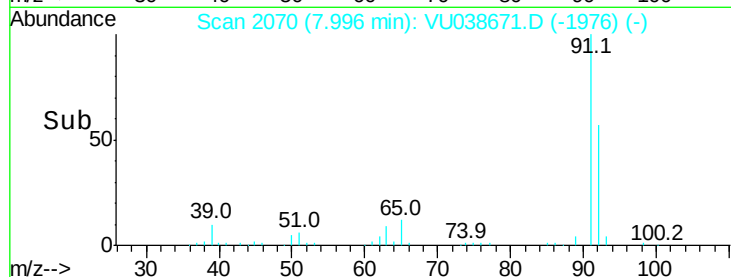
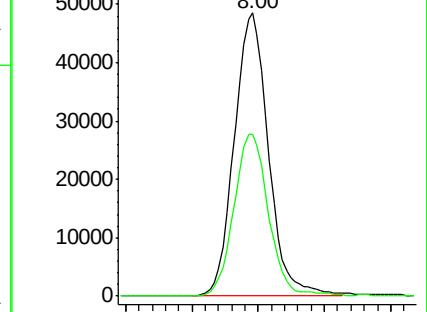
91 100

92 57.0 42.2 78.4



Abundance Ion 91.00 (90.70 to 91.70): VU038671.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038671.D (-2054) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.817 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038671.D

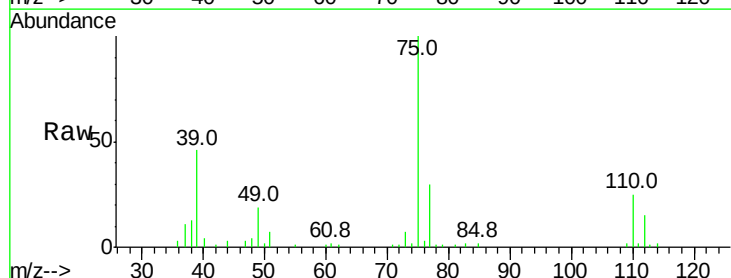
Acq: 08 Jun 2020 15:54

Tgt Ion: 75 Resp: 29802

Ion Ratio Lower Upper

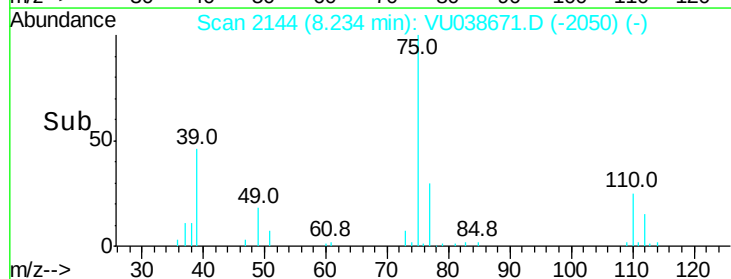
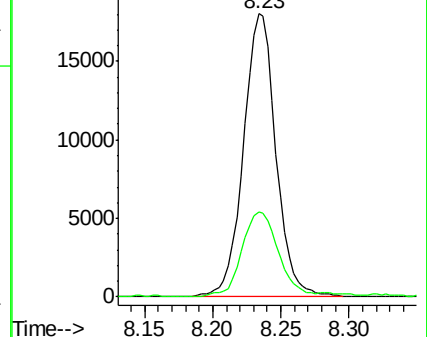
75 100

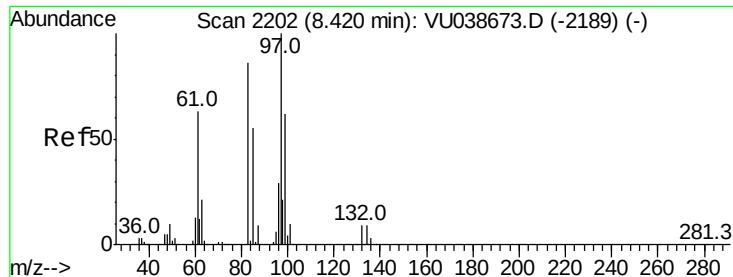
77 30.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VU038671.D (-2050) (-)

Ion 77.00 (76.70 to 77.70): VU038671.D (-2050) (-)





#45

1,1,2-Trichloroethane

Concen: 5.281 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

Tgt Ion: 97 Resp: 20816

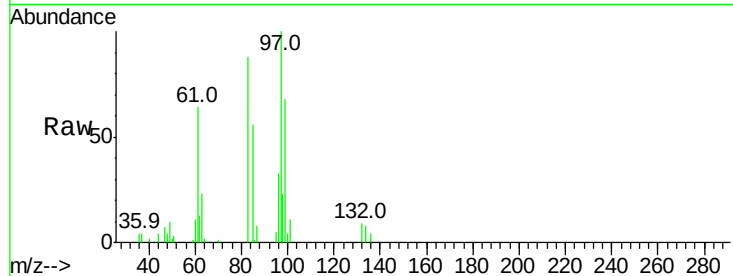
Ion Ratio Lower Upper

97 100

99 67.7 43.6 81.0

83 87.9 60.0 111.4

85 56.0 38.4 71.2

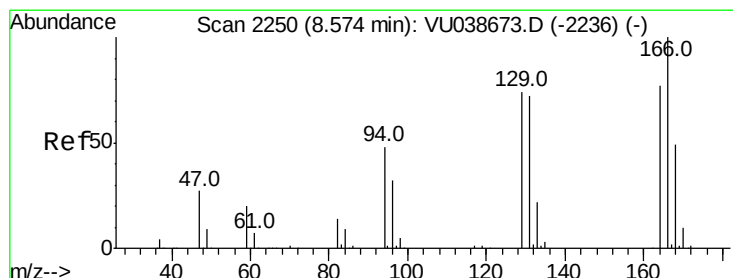
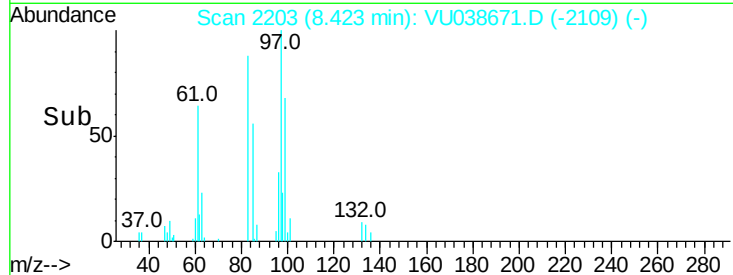
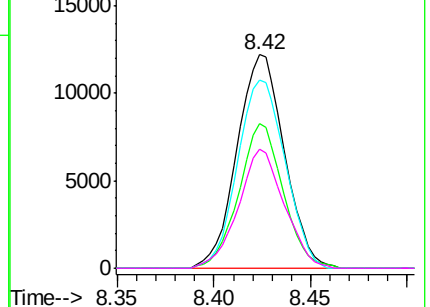


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 5.175 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Tgt Ion: 164 Resp: 15501

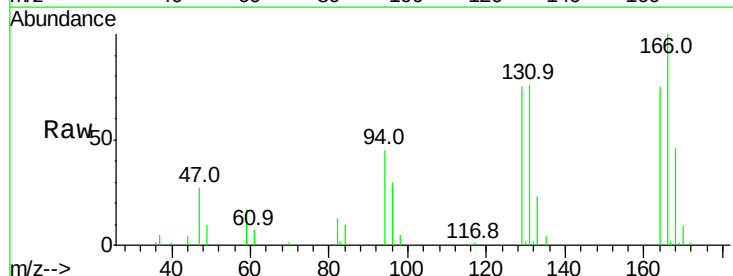
Ion Ratio Lower Upper

164 100

129 99.4 67.2 124.8

131 100.7 65.5 121.6

166 133.4 90.4 168.0

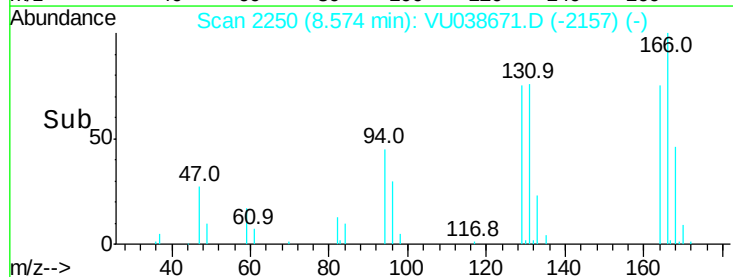
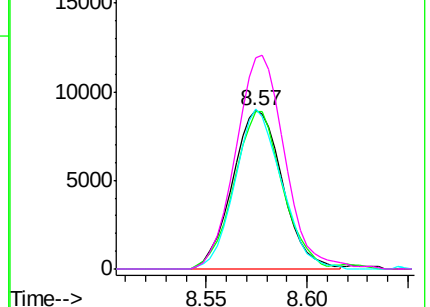


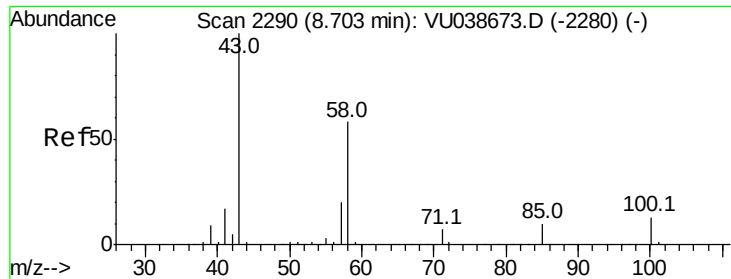
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

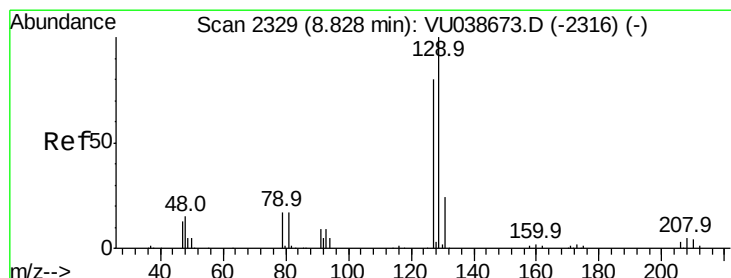
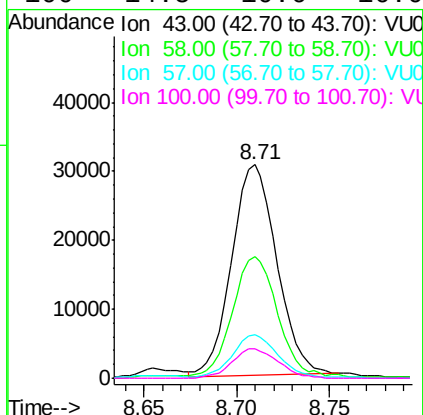
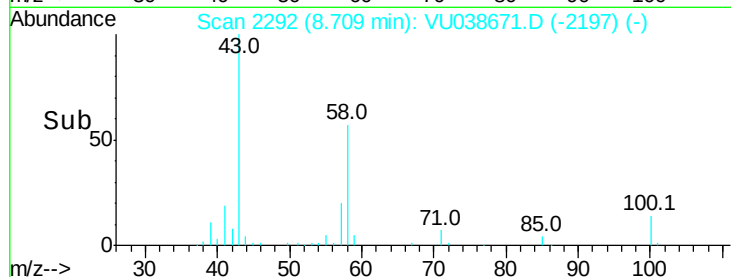
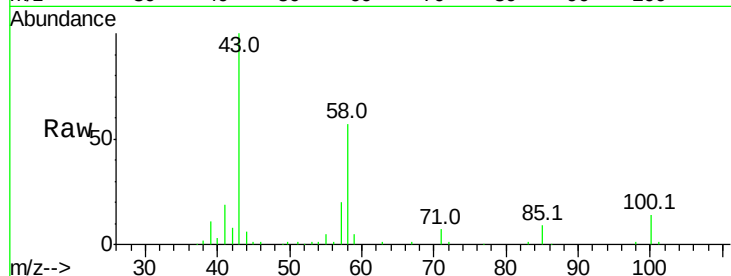




#48
2-Hexanone
Concen: 9.278 ug/L
RT: 8.71 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

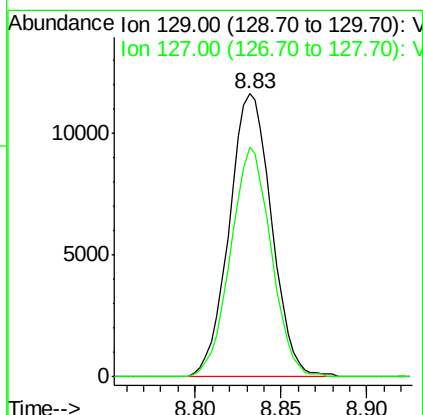
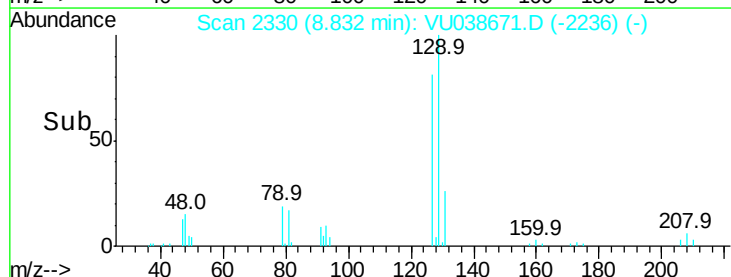
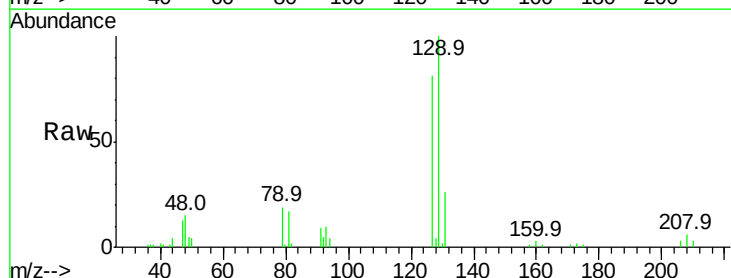
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

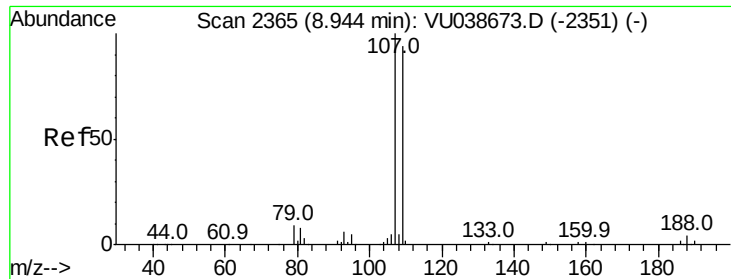
Tgt Ion: 43 Resp: 51742
Ion Ratio Lower Upper
43 100
58 57.3 46.2 69.4
57 21.1 16.6 24.8
100 14.5 10.6 16.0



#49
Dibromochloromethane
Concen: 5.009 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion: 129 Resp: 19990
Ion Ratio Lower Upper
129 100
127 81.3 55.8 103.6

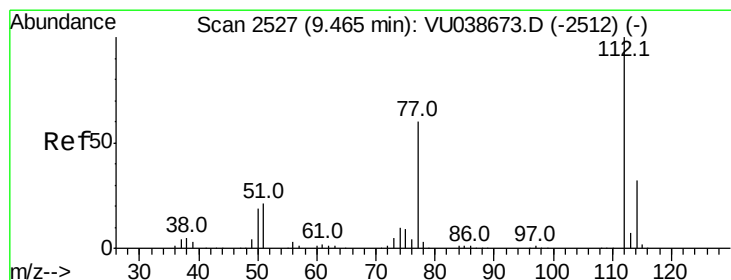
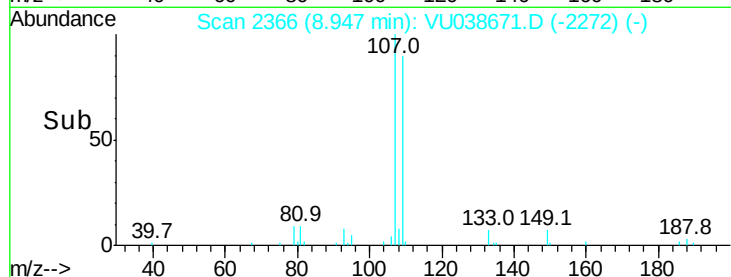
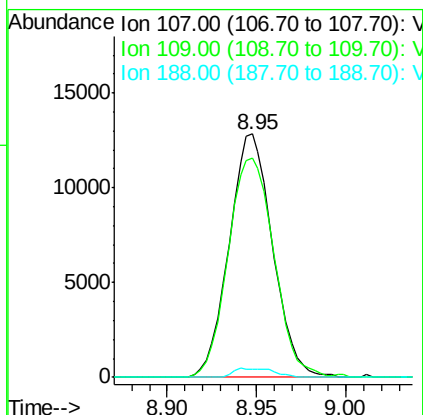
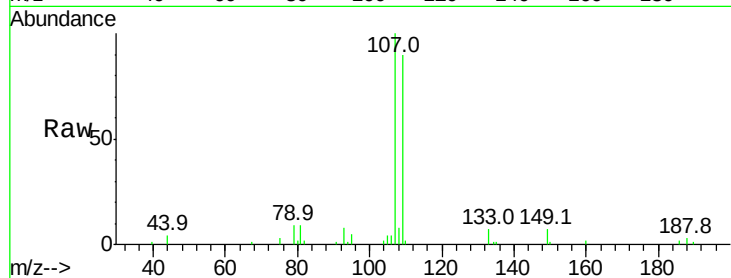




#50
1,2-Dibromoethane
Concen: 5.144 ug/L
RT: 8.95 min Scan# 2366
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

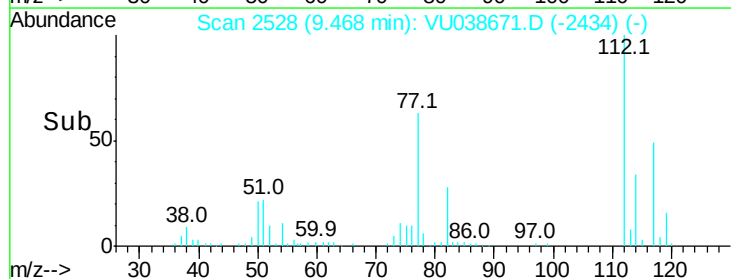
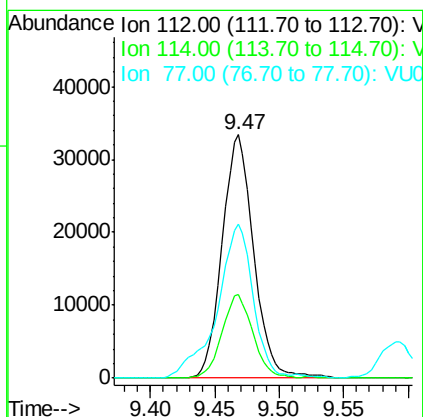
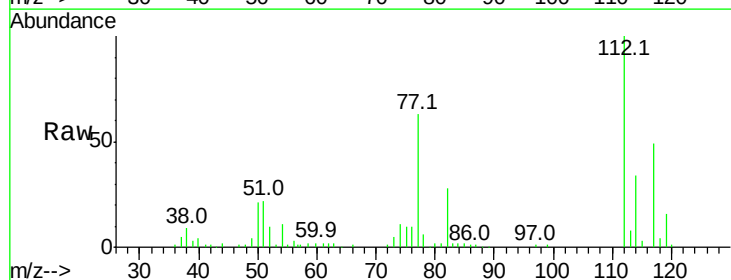
Instrument :
MSVOA_U
ClientSampleId :
VSTD00536

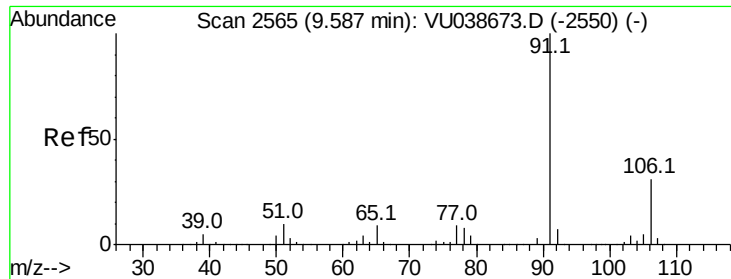
Tgt Ion:107 Resp: 21791
Ion Ratio Lower Upper
107 100
109 90.0 65.9 122.5
188 3.1 2.9 4.3



#51
Chlorobenzene
Concen: 5.253 ug/L
RT: 9.47 min Scan# 2528
Delta R.T. 0.00 min
Lab File: VU038671.D
Acq: 08 Jun 2020 15:54

Tgt Ion:112 Resp: 56765
Ion Ratio Lower Upper
112 100
114 34.2 22.2 41.2
77 63.1 47.9 71.9





#52

Ethylbenzene

Concen: 4.883 ug/L

RT: 9.59 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

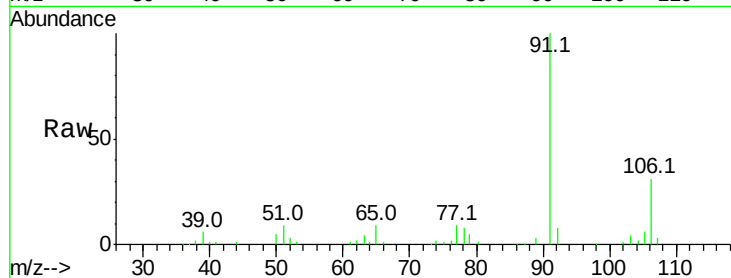
VSTD00536

Tgt Ion: 91 Resp: 91978

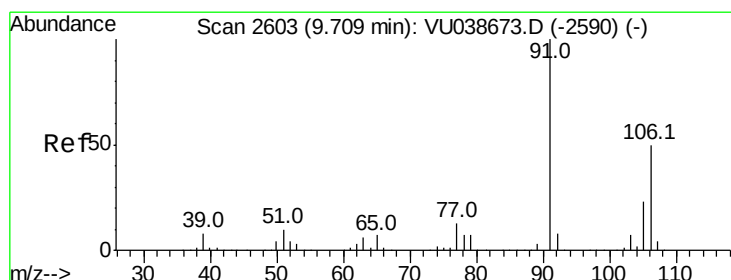
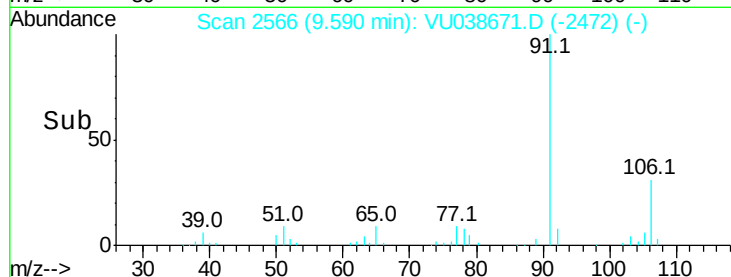
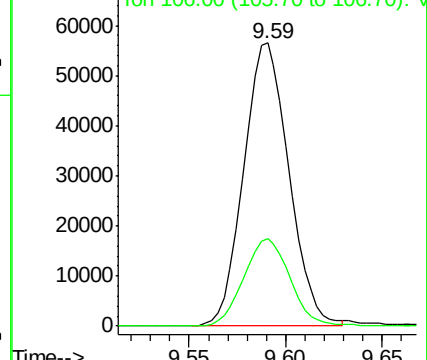
Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



Abundance Ion 91.00 (90.70 to 91.70): VU038671.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.904 ug/L

RT: 9.71 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VU038671.D

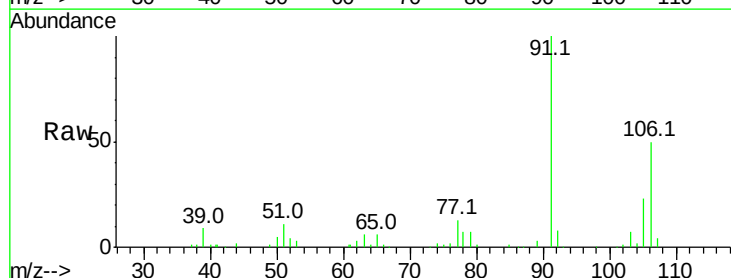
Acq: 08 Jun 2020 15:54

Tgt Ion: 106 Resp: 35326

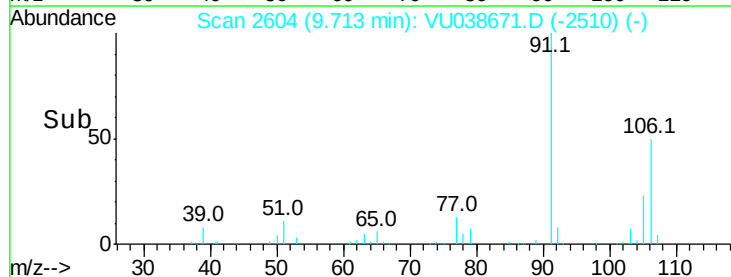
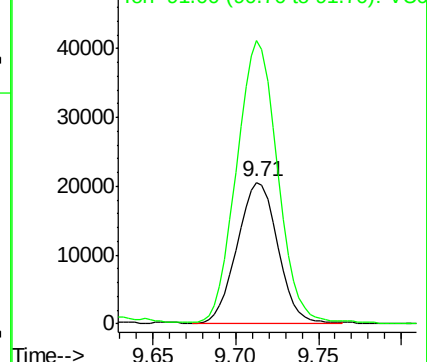
Ion Ratio Lower Upper

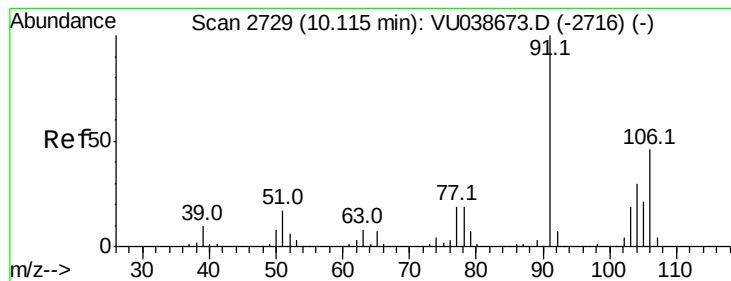
106 100

91 200.1 140.1 260.3



Abundance Ion 106.00 (105.70 to 106.70): VU038671.D (-2590) (-)





#54

o-xylene

Concen: 4.762 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

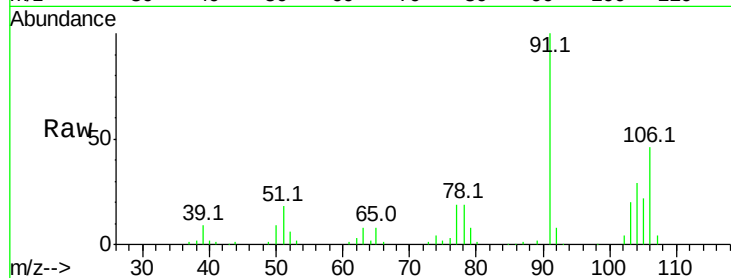
VSTD00536

Tgt Ion:106 Resp: 33356

Ion Ratio Lower Upper

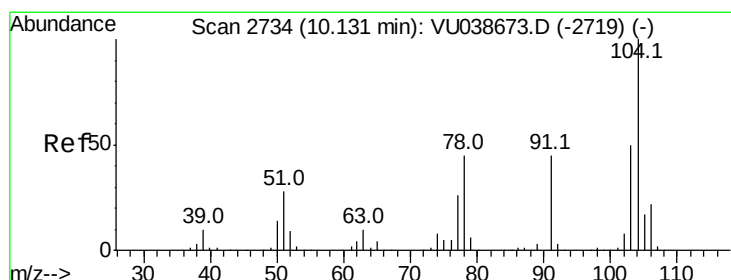
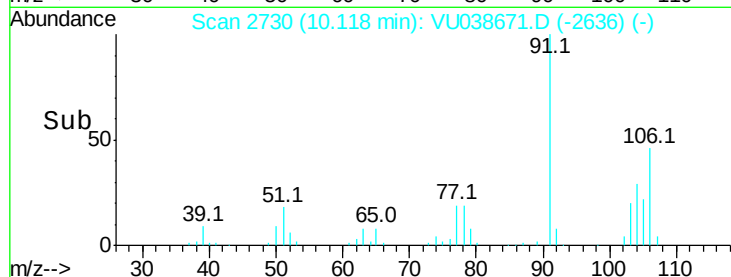
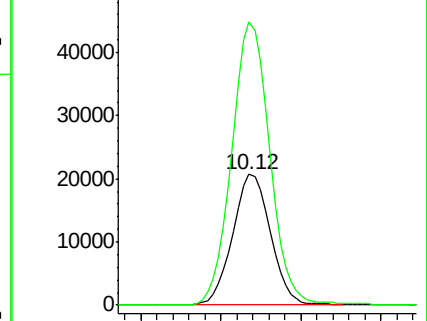
106 100

91 216.2 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 4.641 ug/L

RT: 10.13 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VU038671.D

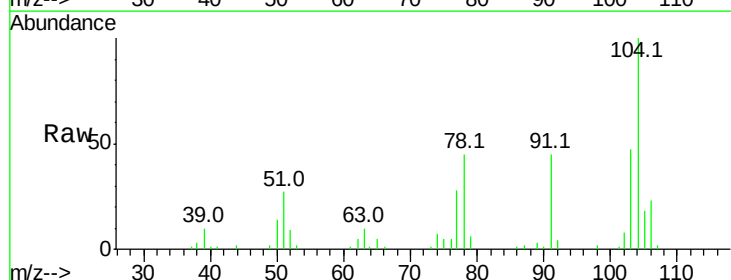
Acq: 08 Jun 2020 15:54

Tgt Ion:104 Resp: 55864

Ion Ratio Lower Upper

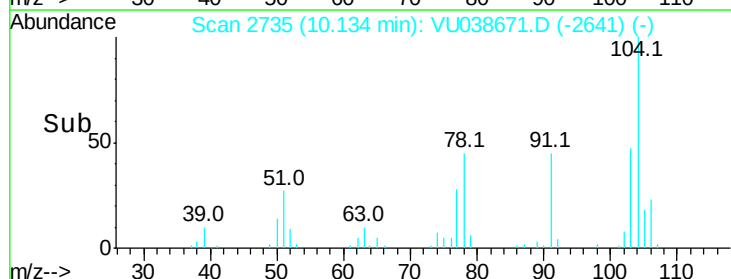
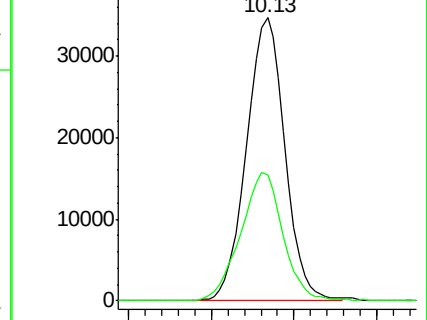
104 100

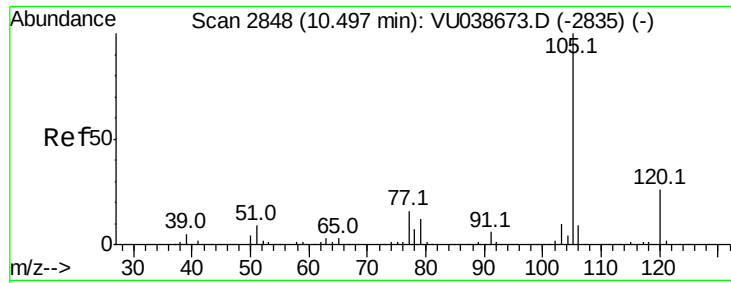
78 44.5 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 4.743 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

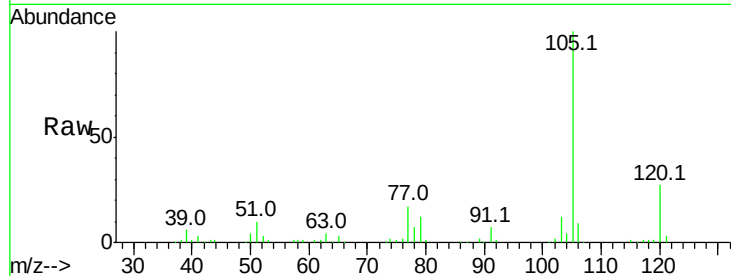
Tgt Ion: 105 Resp: 86816

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

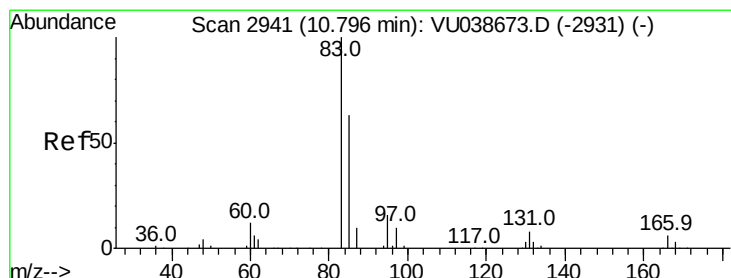
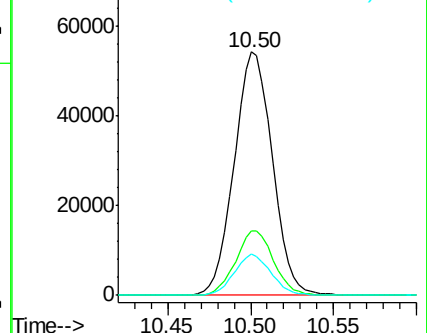
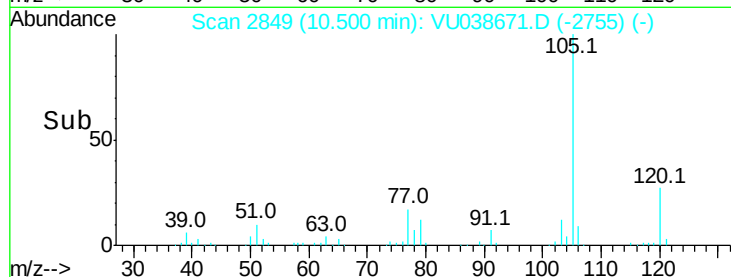
77 16.3 12.6 19.0



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: 5.174 ug/L

RT: 10.80 min Scan# 2942

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

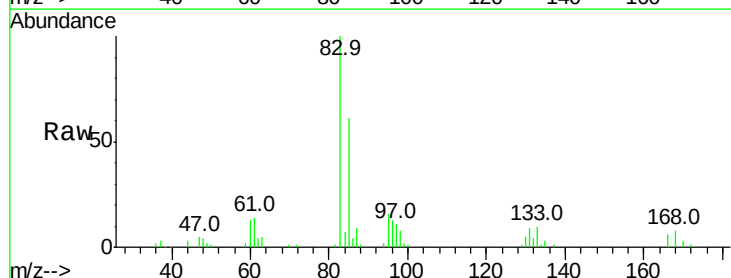
Tgt Ion: 83 Resp: 34894

Ion Ratio Lower Upper

83 100

85 61.4 45.3 84.1

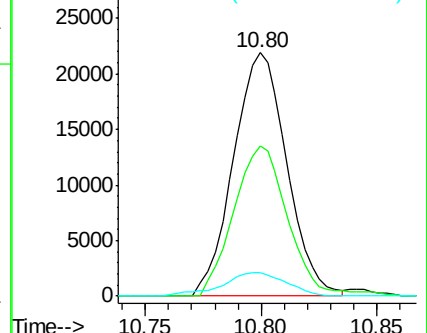
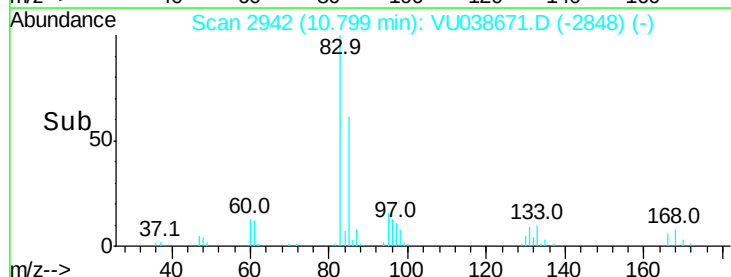
131 9.5 7.2 10.8

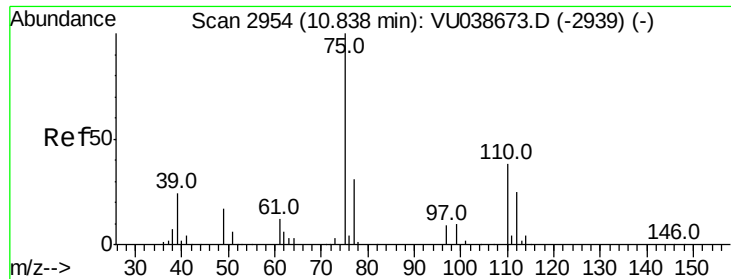


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 5.103 ug/L

RT: 10.84 min Scan# 2955

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

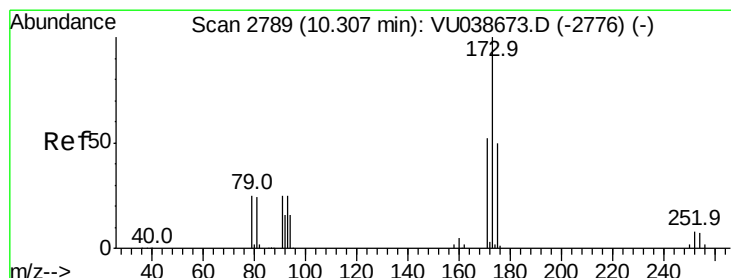
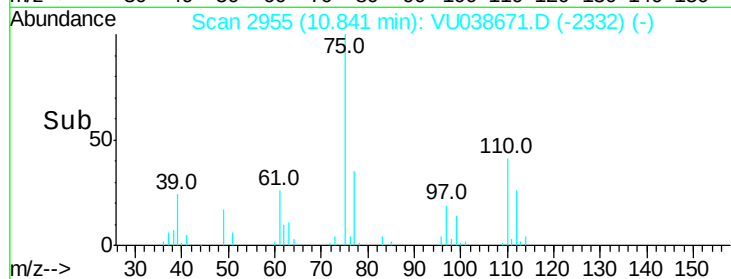
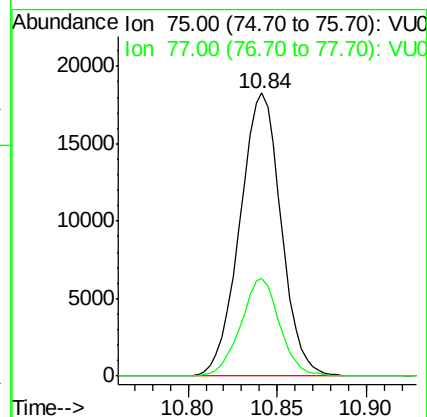
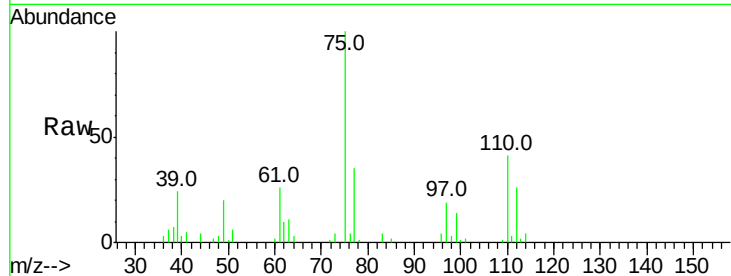
VSTD00536

Tgt Ion: 75 Resp: 29638

Ion Ratio Lower Upper

75 100

77 32.6 25.3 37.9



#61

Bromoform

Concen: 4.889 ug/L

RT: 10.31 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

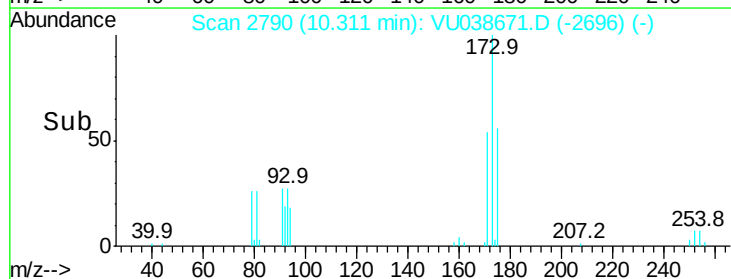
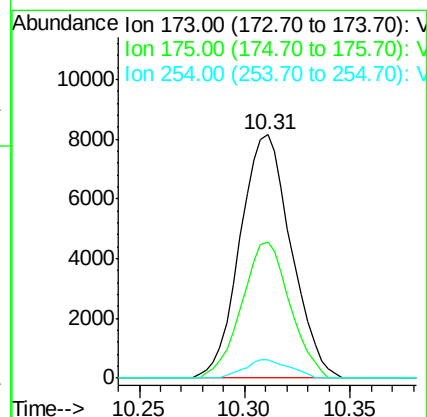
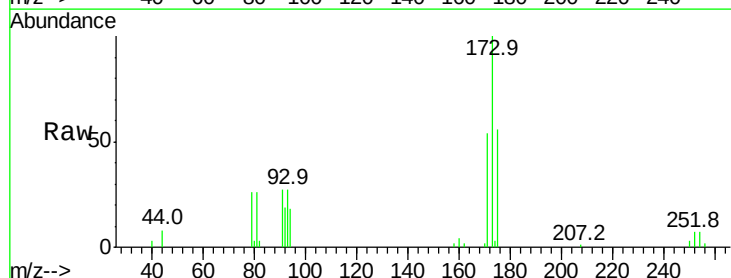
Tgt Ion: 173 Resp: 13677

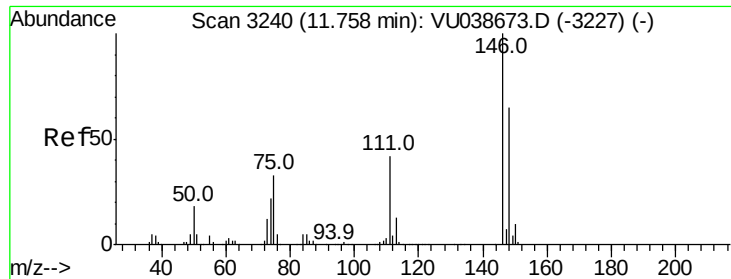
Ion Ratio Lower Upper

173 100

175 52.8 39.0 58.4

254 6.7 5.8 8.8

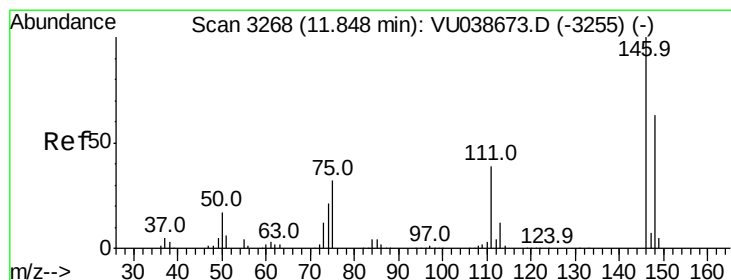
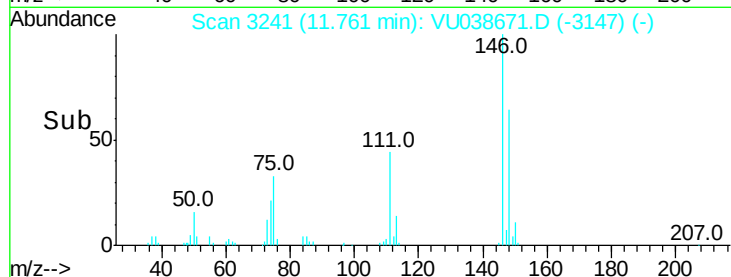
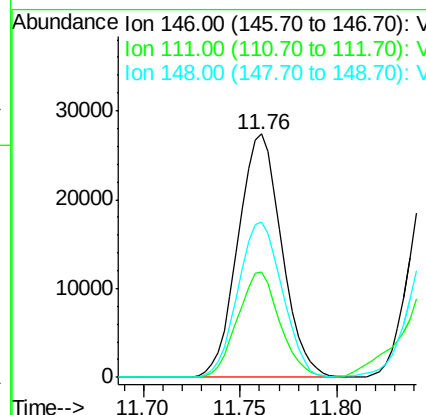
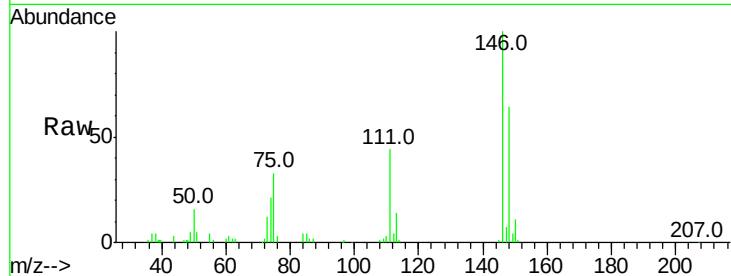




#62
 1,3-Dichlorobenzene
 Concen: 5.300 ug/L
 RT: 11.76 min Scan# 3241
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

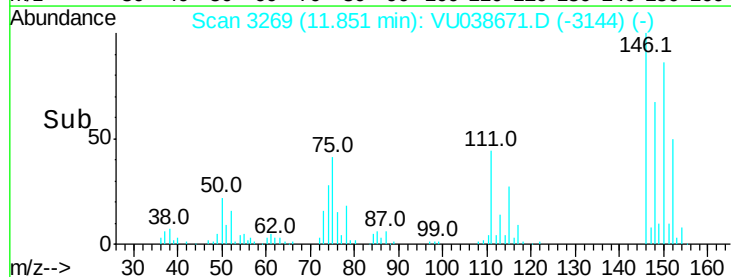
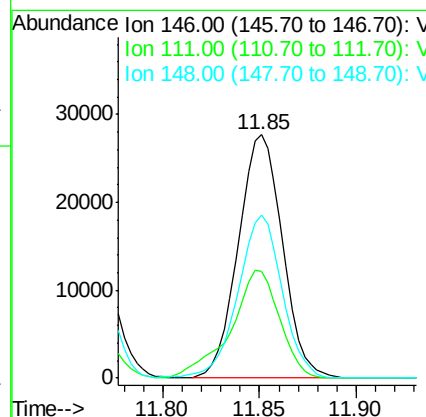
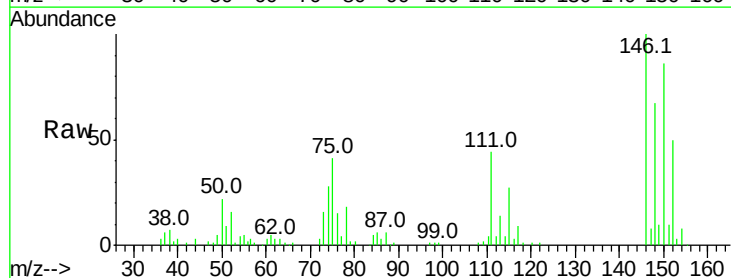
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

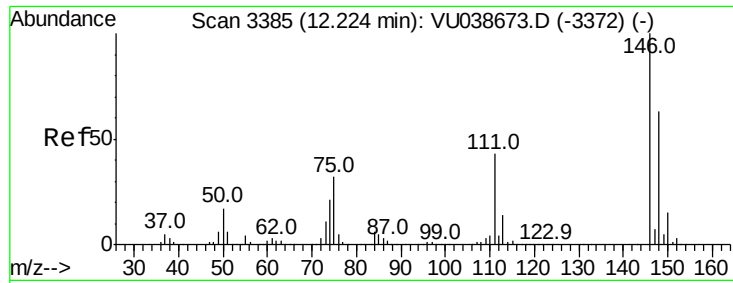
Tgt Ion:146 Resp: 43143
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.2 54.2
 148 63.6 45.2 84.0



#63
 1,4-Dichlorobenzene
 Concen: 5.309 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion:146 Resp: 43930
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.6 51.4
 148 66.8 44.3 82.3

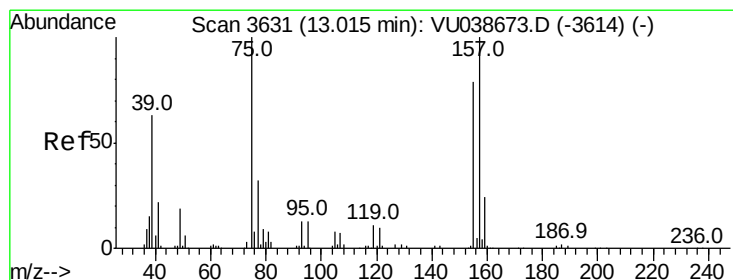
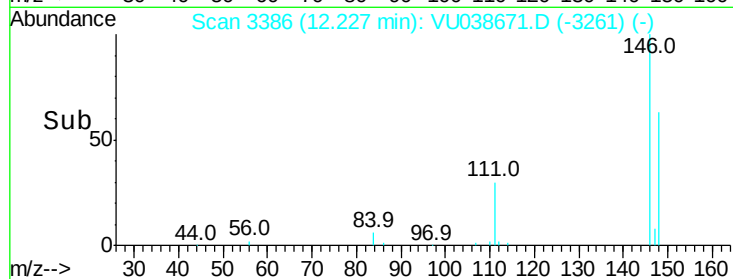
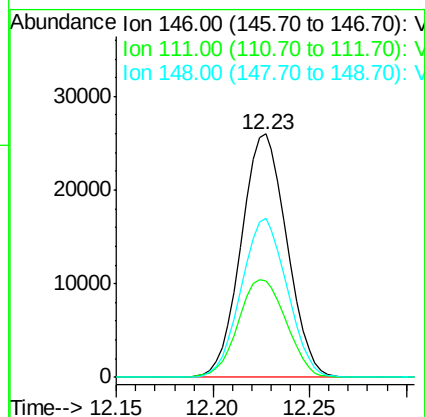
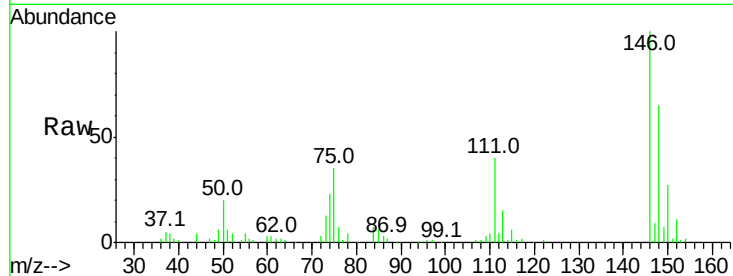




#65
 1,2-Dichlorobenzene
 Concen: 5.290 ug/L
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

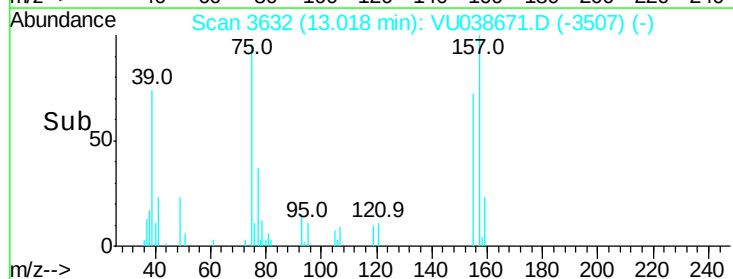
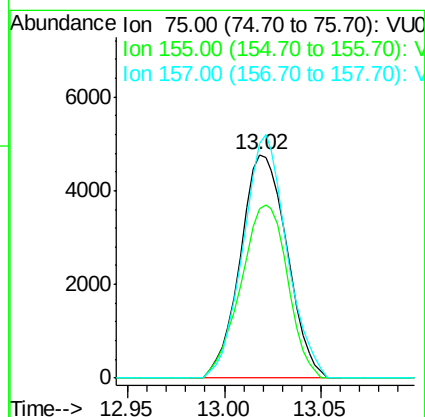
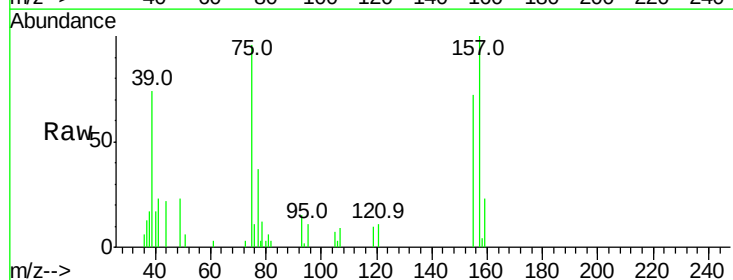
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

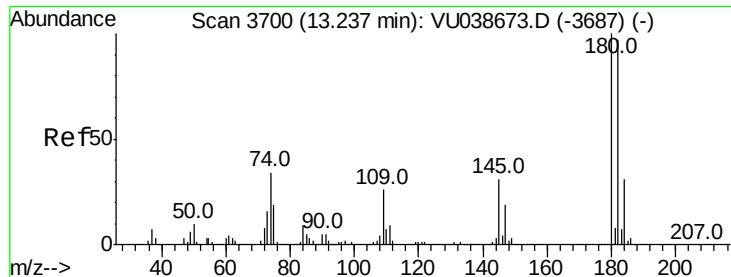
Tgt Ion:146 Resp: 42700
 Ion Ratio Lower Upper
 146 100
 111 39.8 34.8 52.2
 148 65.4 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.836 ug/L
 RT: 13.02 min Scan# 3632
 Delta R.T. 0.00 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion: 75 Resp: 7992
 Ion Ratio Lower Upper
 75 100
 155 75.7 63.8 95.6
 157 104.7 80.2 120.2

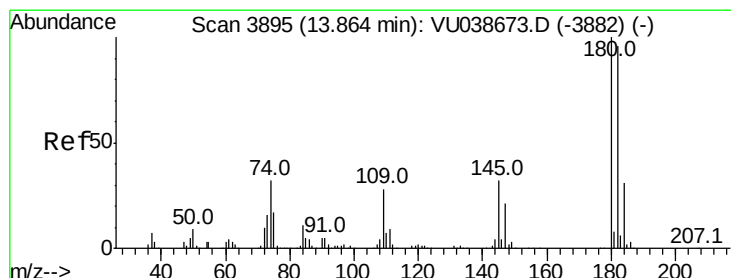
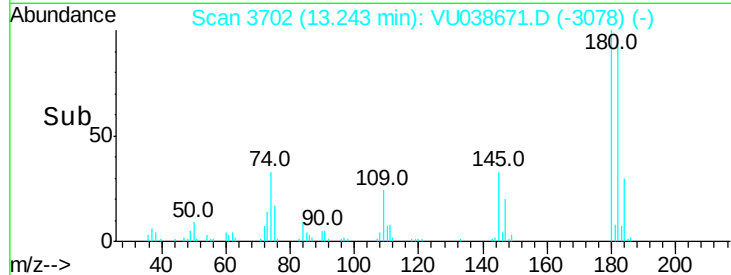
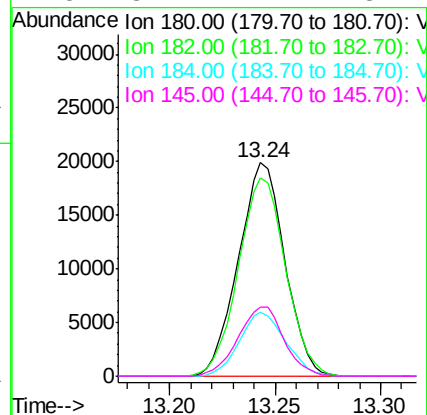
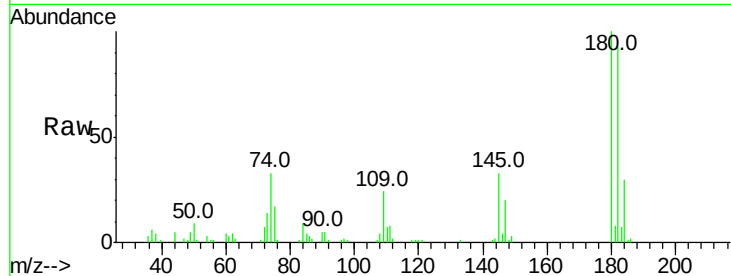




#67
 1,3,5-Trichlorobenzene
 Concen: 5.252 ug/L
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.01 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

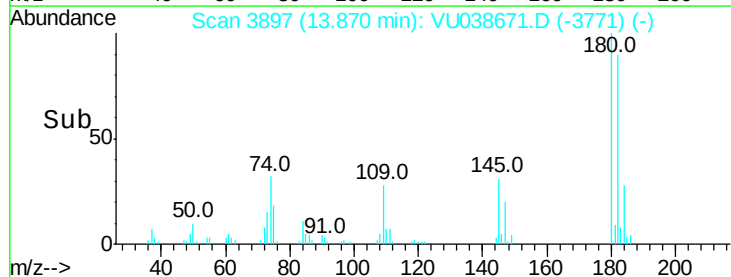
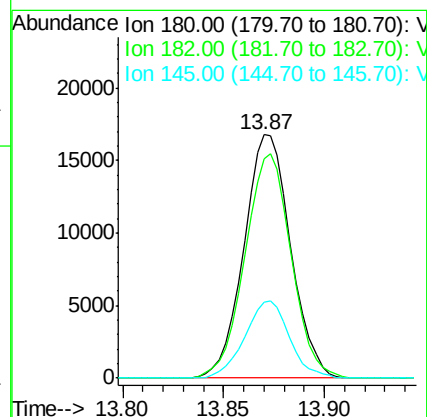
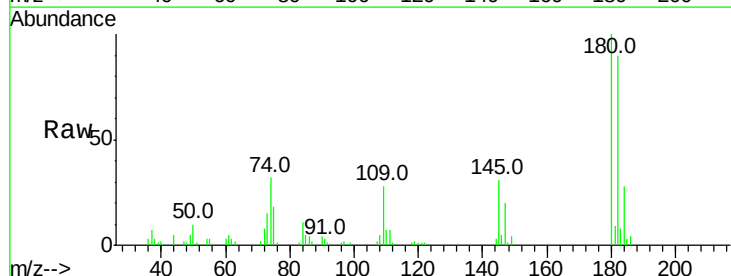
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00536

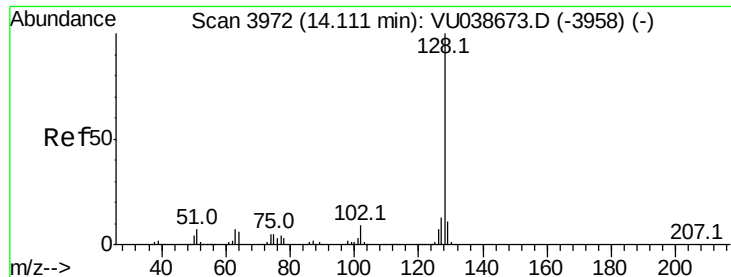
Tgt Ion:180 Resp: 30424
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.6 114.8
 184 29.8 24.7 37.1
 145 32.4 24.7 37.1



#68
 1,2,4-trichlorobenzene
 Concen: 4.892 ug/L
 RT: 13.87 min Scan# 3897
 Delta R.T. 0.01 min
 Lab File: VU038671.D
 Acq: 08 Jun 2020 15:54

Tgt Ion:180 Resp: 27182
 Ion Ratio Lower Upper
 180 100
 182 91.5 76.8 115.2
 145 30.4 25.4 38.2





#69

Naphthalene

Concen: 4.168 ug/L

RT: 14.12 min Scan# 3975

Delta R.T. 0.01 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00536

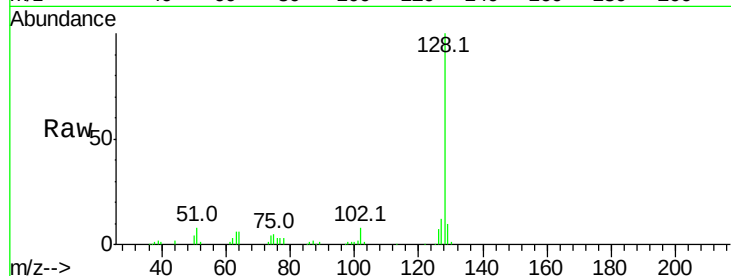
Tgt Ion:128 Resp: 82911

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

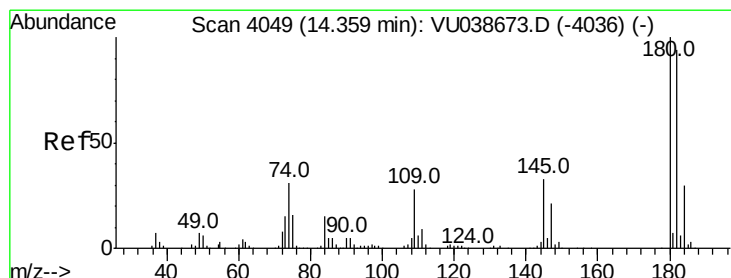
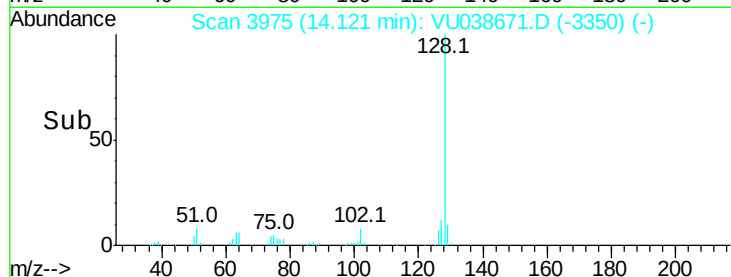
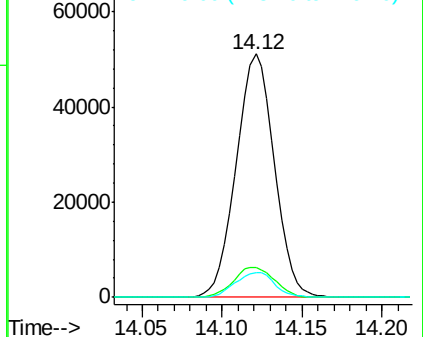
129 10.7 8.6 12.8



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: 4.808 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. 0.01 min

Lab File: VU038671.D

Acq: 08 Jun 2020 15:54

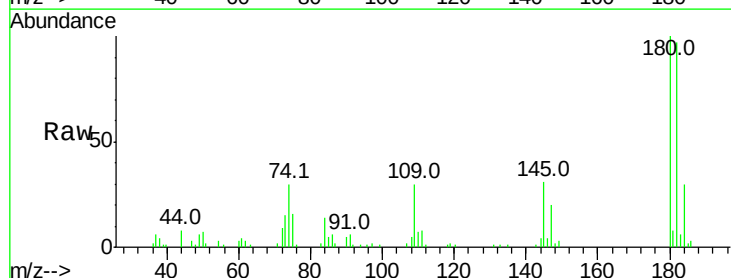
Tgt Ion:180 Resp: 26686

Ion Ratio Lower Upper

180 100

182 98.5 75.9 113.9

145 35.4 26.4 39.6



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

