

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
 Data File : VU039634.D
 Acq On : 23 Jul 2020 12:19
 Operator : SY/MD
 Sample : VSTD10033
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Quant Time: Jul 23 12:39:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	224658	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	233593	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	137604	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	127176	99.66	ug/L	0.00
7) Chloroethane-d5	1.92	69	162509	147.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	269881	97.86	ug/L	0.00
21) 2-Butanone-d5	4.65	46	311403	240.76	ug/L	0.00
24) Chloroform-d	5.09	84	301040	108.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	207162	109.84	ug/L	0.00
32) Benzene-d6	5.74	84	568728	99.58	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	186172	104.37	ug/L	0.00
41) Toluene-d8	7.91	98	562304	108.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	102725	114.40	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	227090	234.89	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	322157	118.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	274655	110.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	141889	82.486 ug/L	99
3) Chloromethane	1.53	50	139420	82.932 ug/L	99
5) Vinyl chloride	1.61	62	143513	81.491 ug/L	99
6) Bromomethane	1.87	94	114384	115.876 ug/L	100
8) Chloroethane	1.94	64	143031	126.943 ug/L	98
9) Trichlorofluoromethane	2.15	101	267779	104.790 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	122307	86.364 ug/L	98
12) 1,1-Dichloroethene	2.59	96	113145	82.081 ug/L	94
13) Acetone	2.66	43	183924	182.896 ug/L	99
14) Carbon disulfide	2.81	76	374728	83.894 ug/L	100
15) Methyl Acetate	2.97	43	187641	92.001 ug/L	99
16) Methylene chloride	3.06	84	141536	86.106 ug/L	94
17) trans-1,2-Dichloroethene	3.37	96	134374	87.998 ug/L	94
18) Methyl tert-butyl Ether	3.38	73	442486	89.458 ug/L	99
19) 1,1-Dichloroethane	3.89	63	253245	86.634 ug/L	96
20) cis-1,2-Dichloroethene	4.69	96	148961	87.531 ug/L	97
22) 2-Butanone	4.73	43	296887	193.521 ug/L	99
23) Bromochloromethane	5.00	128	77441	91.528 ug/L	95
25) Chloroform	5.11	83	278610	93.483 ug/L	99
27) 1,2-Dichloroethane	5.81	62	232462	94.916 ug/L	99
29) Cyclohexane	5.41	56	235589	89.120 ug/L	99
30) 1,1,1-Trichloroethane	5.34	97	246935	89.494 ug/L	97
31) Carbon tetrachloride	5.54	117	217840	94.669 ug/L	97
33) Benzene	5.79	78	580074	84.819 ug/L	100
34) Trichloroethene	6.56	95	156475	88.927 ug/L	99
35) Methylcyclohexane	6.78	83	246306	92.813 ug/L	99
37) 1,2-Dichloropropane	6.81	63	154545	86.316 ug/L	100
38) Bromodichloromethane	7.12	83	215608	93.041 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	242193	87.784 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	572592	198.660 ug/L	100

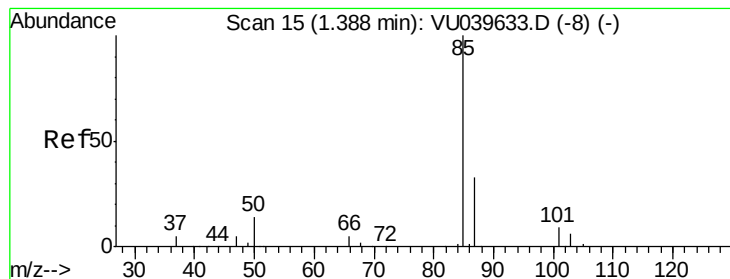
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 12:34:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	672905	93.220	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	255612	96.173	ug/L	97
45) 1,1,2-Trichloroethane	8.41	97	153966	89.414	ug/L	99
46) Tetrachloroethene	8.56	164	118567	93.644	ug/L	98
48) 2-Hexanone	8.69	43	481213	201.797	ug/L	98
49) Dibromochloromethane	8.82	129	183664	101.862	ug/L	99
50) 1,2-Dibromoethane	8.93	107	179316	96.102	ug/L	100
51) Chlorobenzene	9.45	112	435733	94.255	ug/L	96
52) Ethylbenzene	9.57	91	774408	97.149	ug/L	98
53) m,p-Xylene	9.70	106	301226	98.973	ug/L	95
54) o-xylene	10.10	106	291634	98.514	ug/L	100
55) Styrene	10.11	104	515323	100.473	ug/L	99
56) Isopropylbenzene	10.48	105	790378	101.762	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	292864	98.306	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	241310	95.459	ug/L	100
61) Bromoform	10.29	173	163098	106.113	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	388291	91.572	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	393733	91.921	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	396717	93.626	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	81281	91.670	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	287789	94.198	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	258871	90.716	ug/L	99
69) Naphthalene	14.08	128	863756	88.409	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	260322	91.919	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 82.486 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

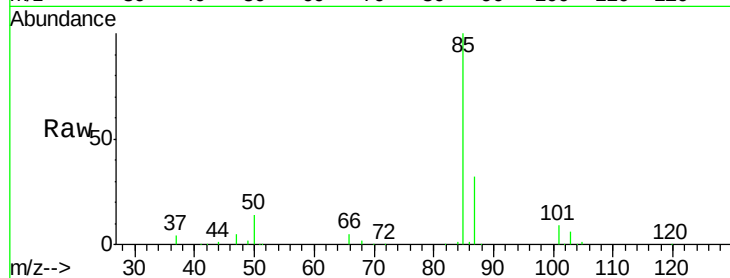
VSTD10033

Tgt Ion: 85 Resp: 141889

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



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

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

1.39

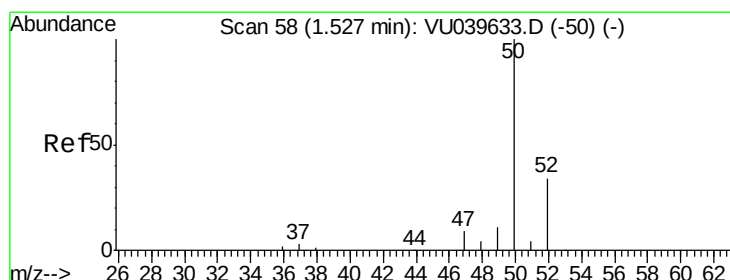
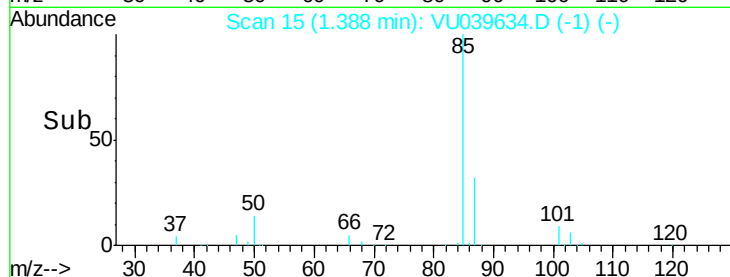
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 82.932 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039634.D

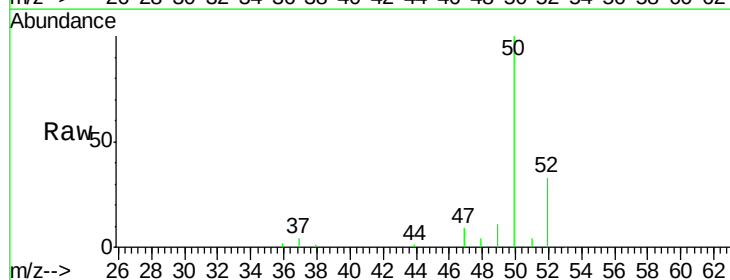
Acq: 23 Jul 2020 12:19

Tgt Ion: 50 Resp: 139420

Ion Ratio Lower Upper

50 100

52 33.5 24.0 44.6



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

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

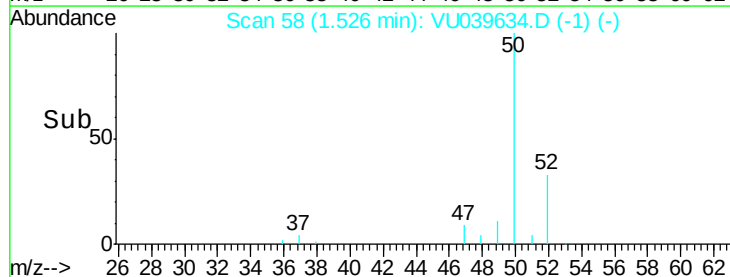
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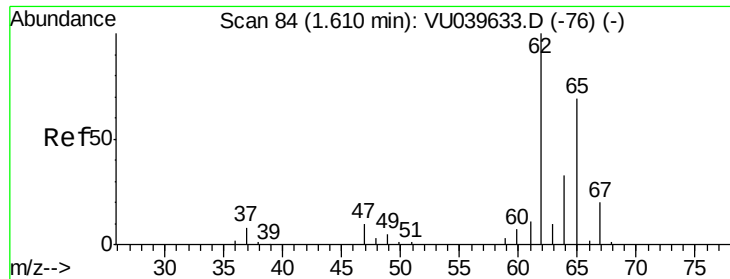
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 81.491 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

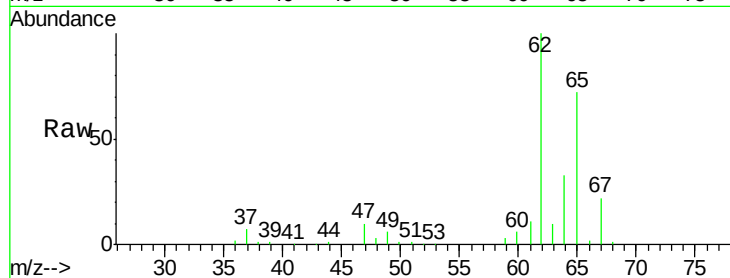
VSTD10033

Tgt Ion: 62 Resp: 143513

Ion Ratio Lower Upper

62 100

64 33.1 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU039634.D (-76) (-)

Ion 64.00 (63.70 to 64.70): VU039634.D (-76) (-)

1.61

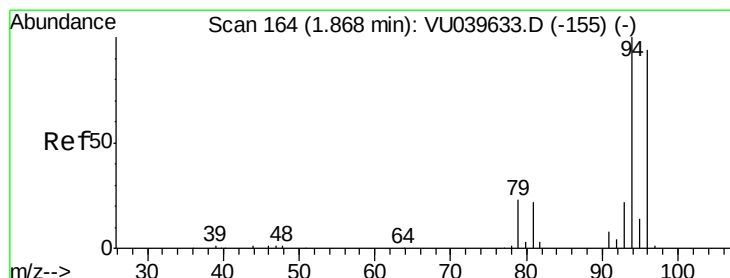
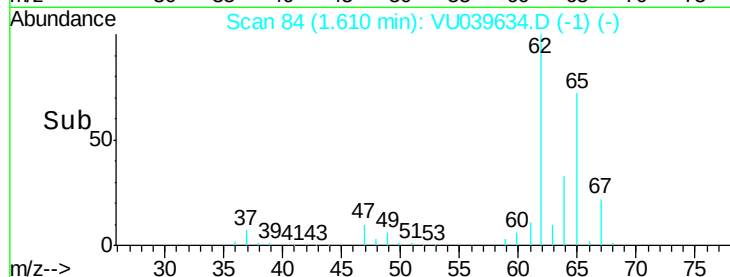
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 115.876 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039634.D

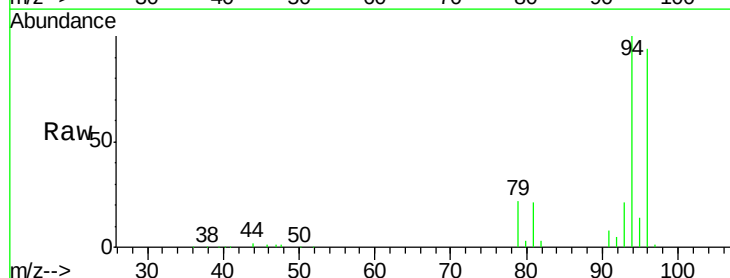
Acq: 23 Jul 2020 12:19

Tgt Ion: 94 Resp: 114384

Ion Ratio Lower Upper

94 100

96 93.9 65.7 122.1



Abundance Ion 94.00 (93.70 to 94.70): VU039634.D (-155) (-)

Ion 96.00 (95.70 to 96.70): VU039634.D (-155) (-)

1.87

100000

80000

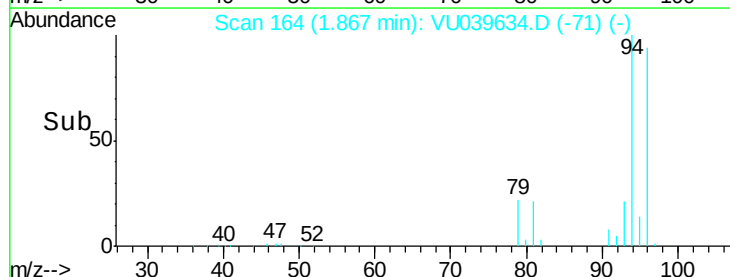
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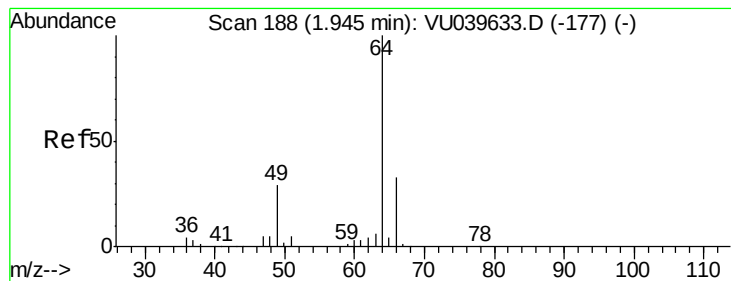
40000

20000

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Time-->





#8

Chloroethane

Concen: 126.943 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

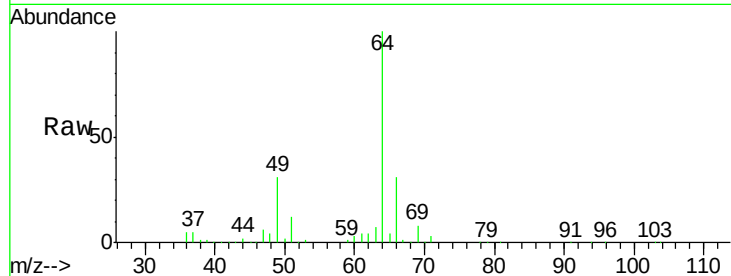
VSTD10033

Tgt Ion: 64 Resp: 143031

Ion Ratio Lower Upper

64 100

66 31.1 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VU039633.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU039633.D (-177) (-)

1.94

120000

100000

80000

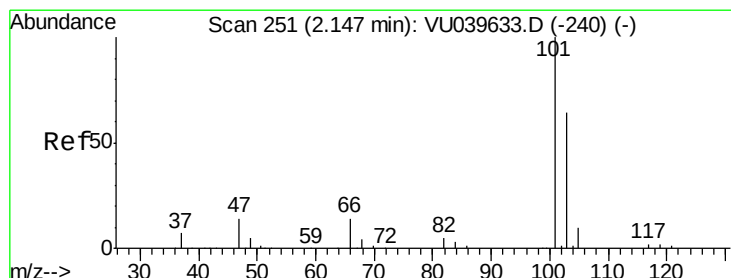
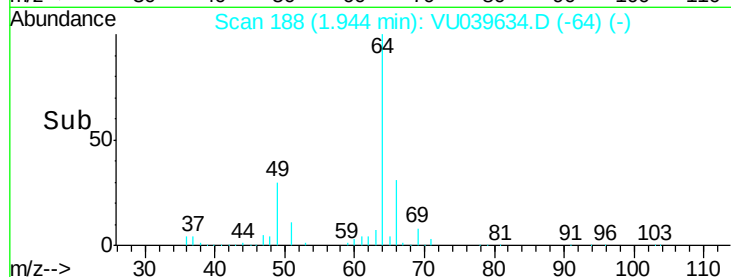
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 104.790 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU039634.D

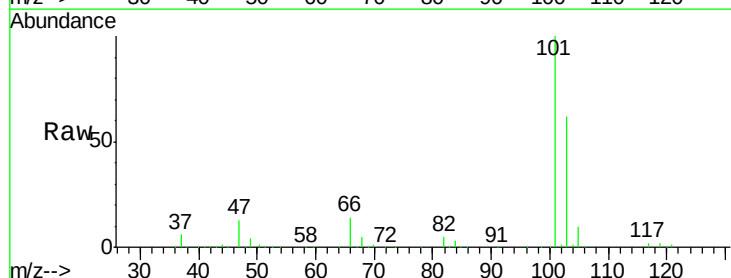
Acq: 23 Jul 2020 12:19

Tgt Ion: 101 Resp: 267779

Ion Ratio Lower Upper

101 100

103 63.4 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VU039633.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039633.D (-240) (-)

2.15

200000

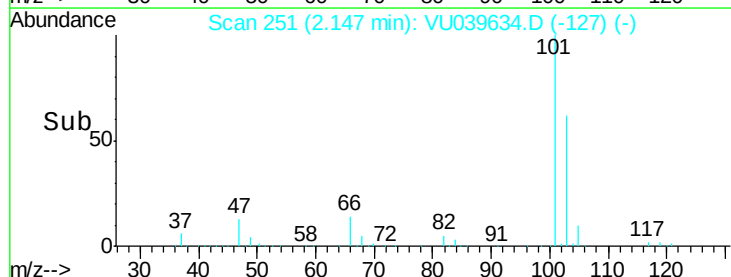
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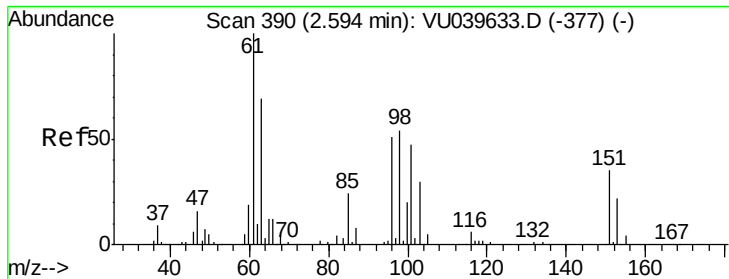
100000

50000

0

Time-->





#10

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

Concen: 86.364 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

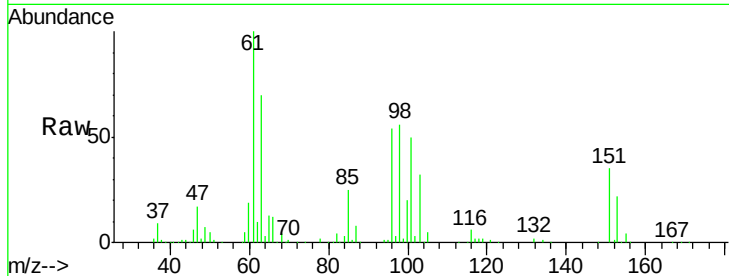
Tgt Ion: 101 Resp: 122307

Ion Ratio Lower Upper

101 100

85 48.3 39.7 59.5

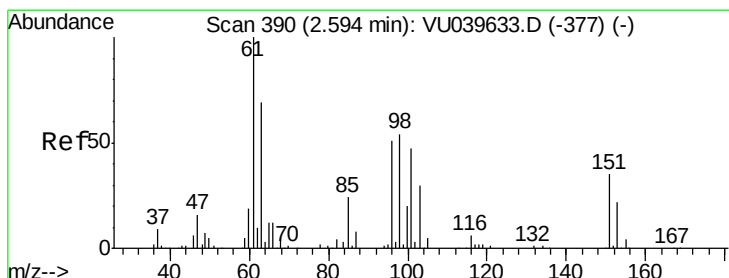
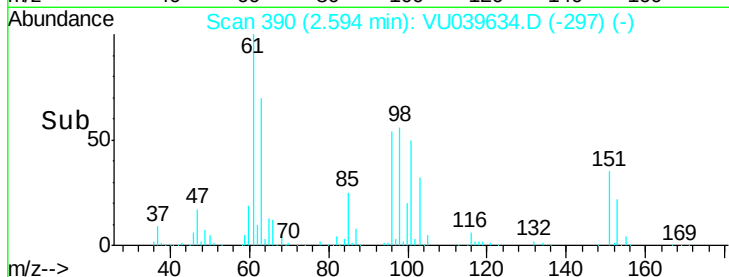
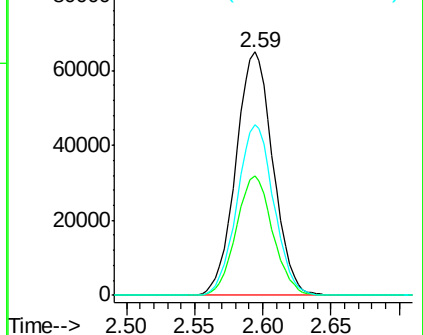
151 69.6 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): VU039633.D (-377) (-)

Ion 85.00 (84.70 to 85.70): VU039633.D (-377) (-)

Ion 151.00 (150.70 to 151.70): VU039633.D (-377) (-)



#12

1,1-Dichloroethene

Concen: 82.081 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

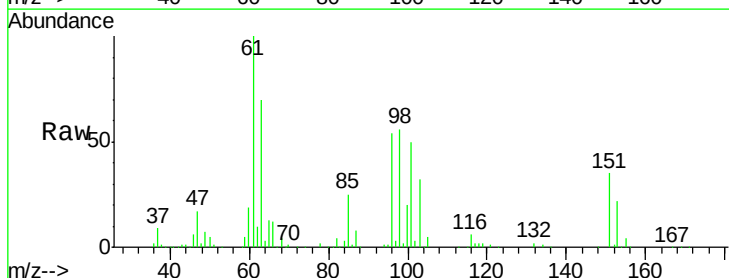
Tgt Ion: 96 Resp: 113145

Ion Ratio Lower Upper

96 100

61 186.0 136.6 253.6

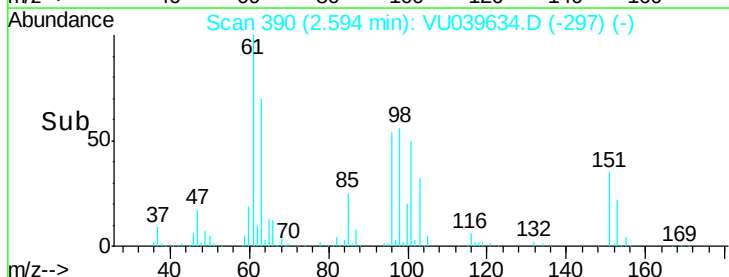
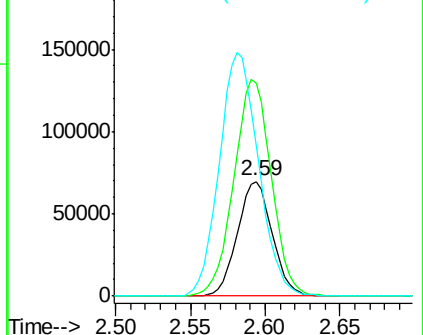
63 131.1 97.2 180.6

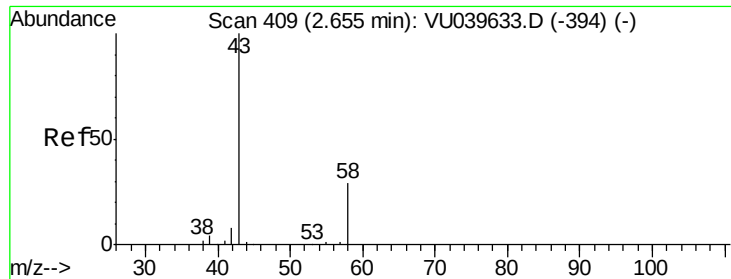


Abundance Ion 96.00 (95.70 to 96.70): VU039634.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VU039634.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU039634.D (-297) (-)





#13

Acetone

Concen: 182.896 ug/L

RT: 2.66 min Scan# 409

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

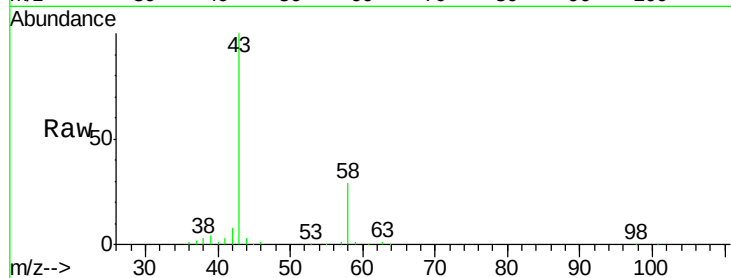
VSTD10033

Tgt Ion: 43 Resp: 183924

Ion Ratio Lower Upper

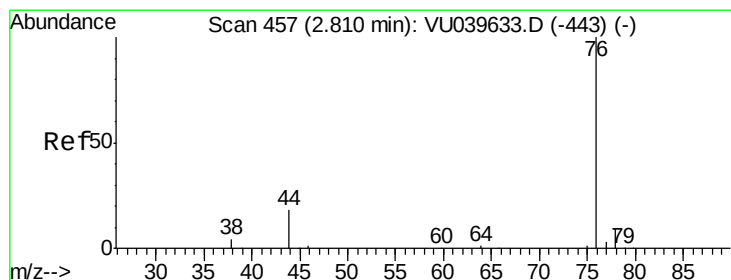
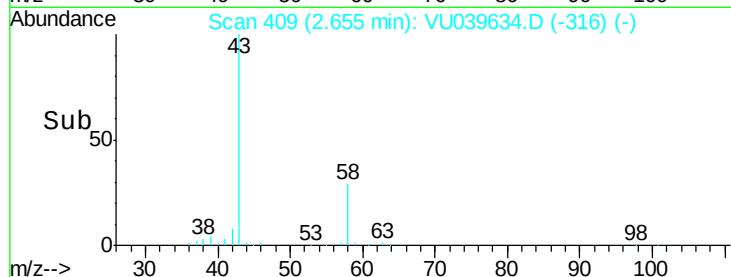
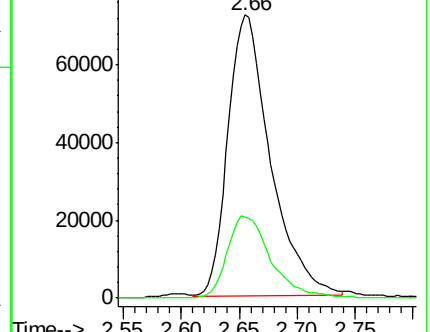
43 100

58 29.3 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VU039633.D (-394) (-)

Ion 58.00 (57.70 to 58.70): VU039633.D (-394) (-)



#14

Carbon disulfide

Concen: 83.894 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039634.D

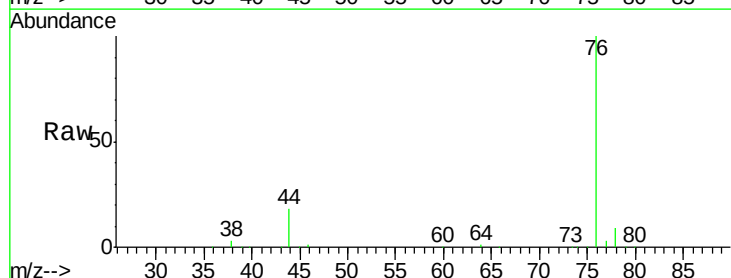
Acq: 23 Jul 2020 12:19

Tgt Ion: 76 Resp: 374728

Ion Ratio Lower Upper

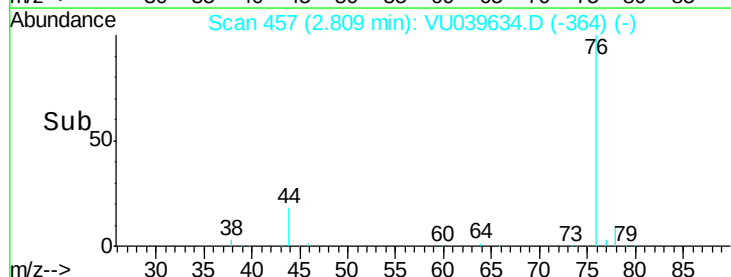
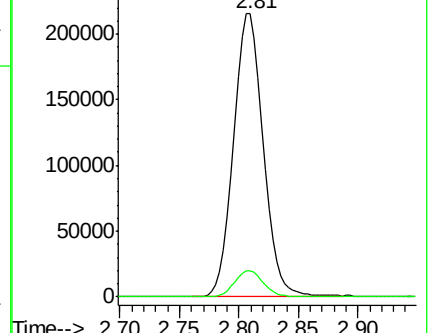
76 100

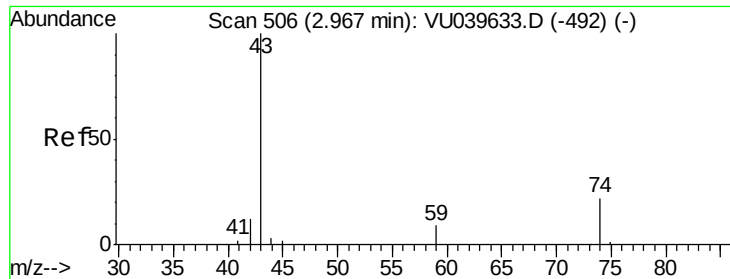
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039633.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU039633.D (-443) (-)

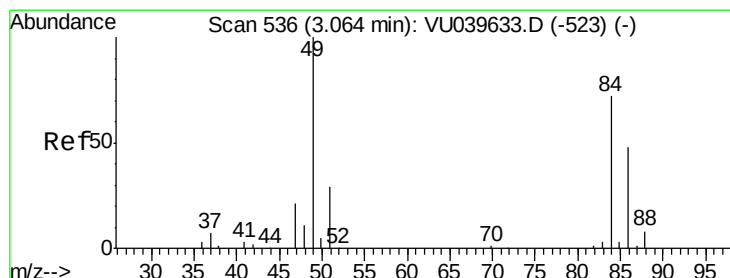
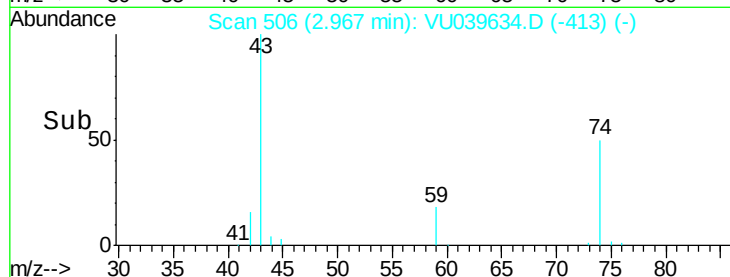
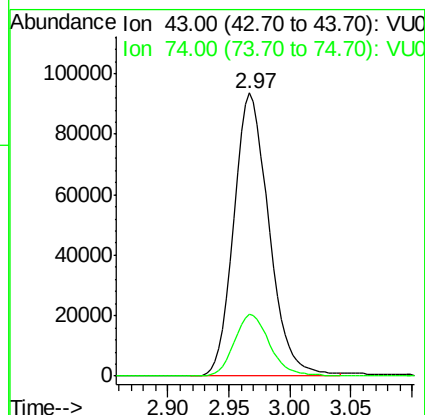
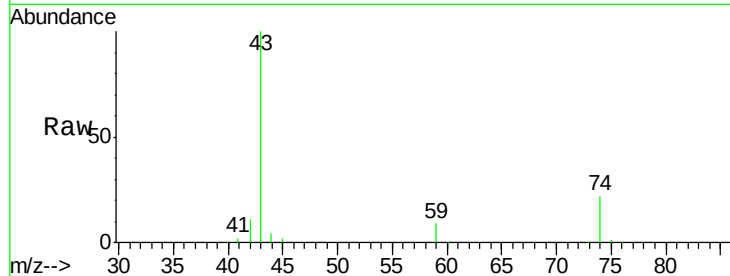




#15
Methyl Acetate
Concen: 92.001 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

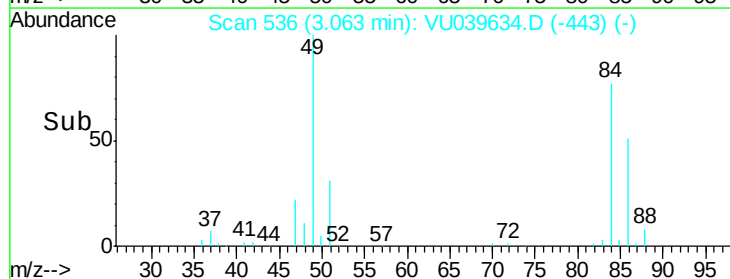
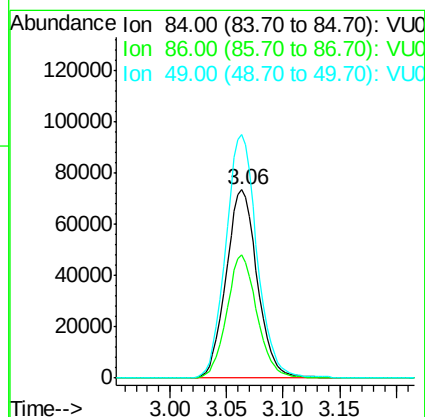
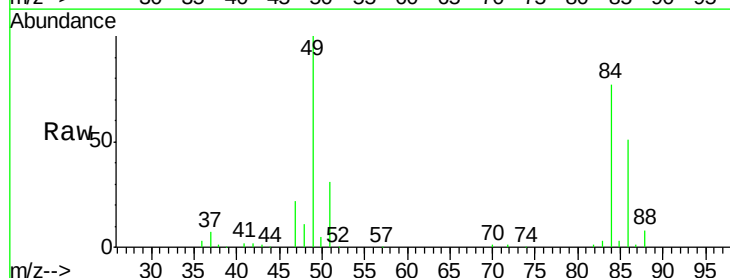
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

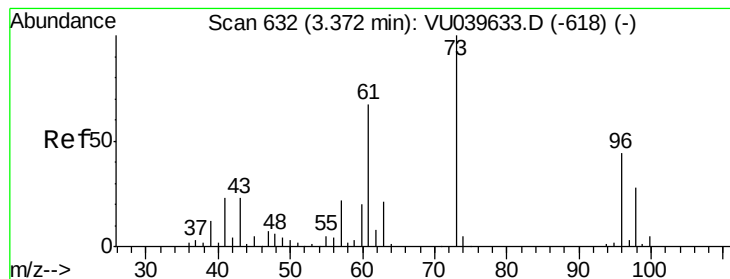
Tgt Ion: 43 Resp: 187641
Ion Ratio Lower Upper
43 100
74 22.1 17.4 26.0



#16
Methylene chloride
Concen: 86.106 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

Tgt Ion: 84 Resp: 141536
Ion Ratio Lower Upper
84 100
86 65.3 46.2 85.8
49 129.1 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 87.998 ug/L

RT: 3.37 min Scan# 632

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

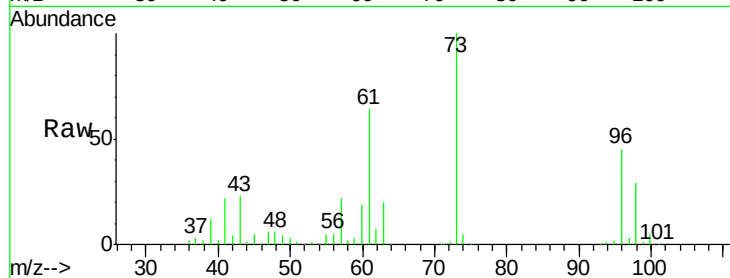
Tgt Ion: 96 Resp: 134374

Ion Ratio Lower Upper

96 100

61 142.6 106.7 198.1

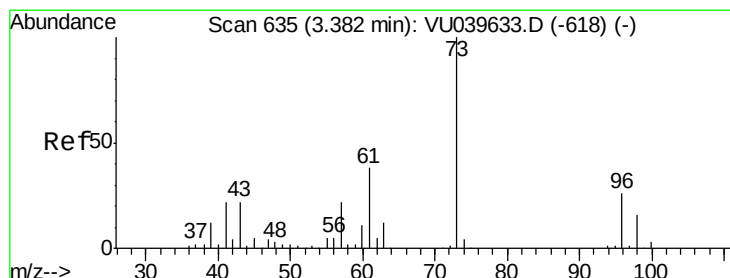
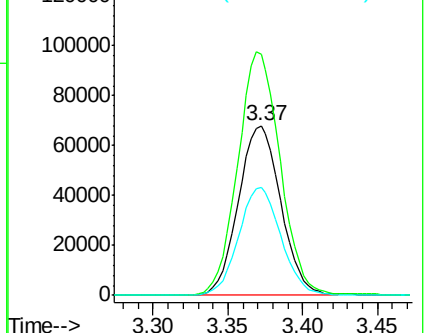
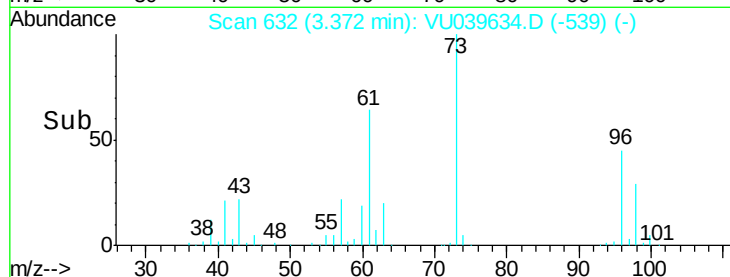
98 63.7 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VU039634.D (-539) (-)

Ion 61.00 (60.70 to 61.70): VU039634.D (-539) (-)

Ion 98.00 (97.70 to 98.70): VU039634.D (-539) (-)



#18

Methyl tert-butyl Ether

Concen: 89.458 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

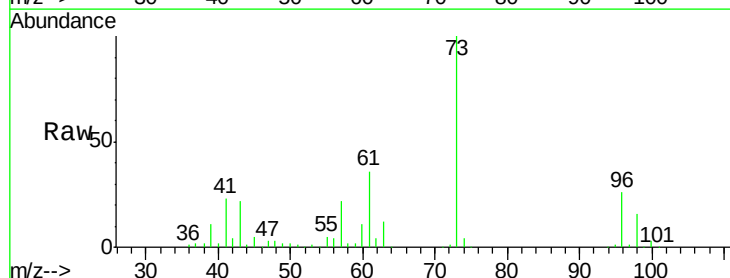
Tgt Ion: 73 Resp: 442486

Ion Ratio Lower Upper

73 100

43 22.2 18.2 27.2

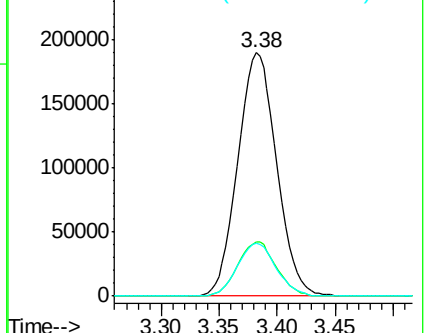
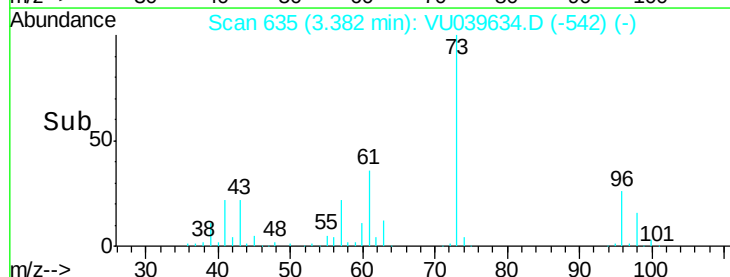
57 21.8 17.4 26.2

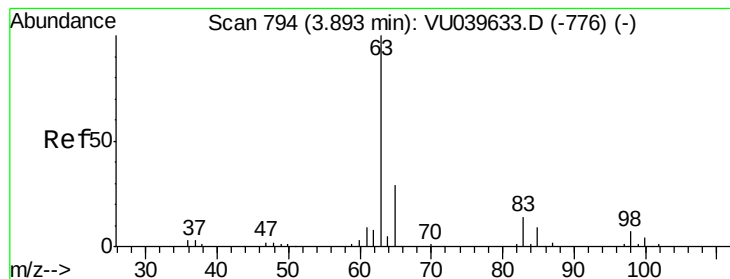


Abundance Ion 73.00 (72.70 to 73.70): VU039634.D (-542) (-)

Ion 43.00 (42.70 to 43.70): VU039634.D (-542) (-)

Ion 57.00 (56.70 to 57.70): VU039634.D (-542) (-)





#19

1,1-Dichloroethane

Concen: 86.634 ug/L

RT: 3.89 min Scan# 793

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

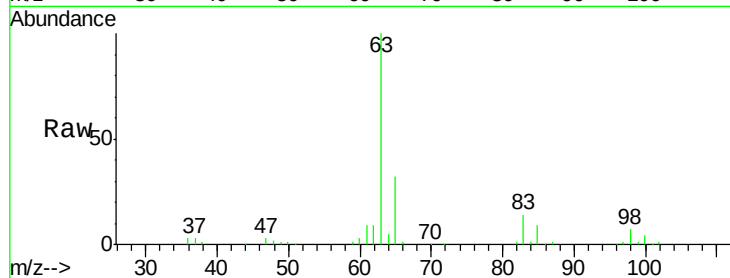
Tgt Ion: 63 Resp: 253245

Ion Ratio Lower Upper

63 100

65 32.4 20.4 38.0

83 13.7 9.7 18.1

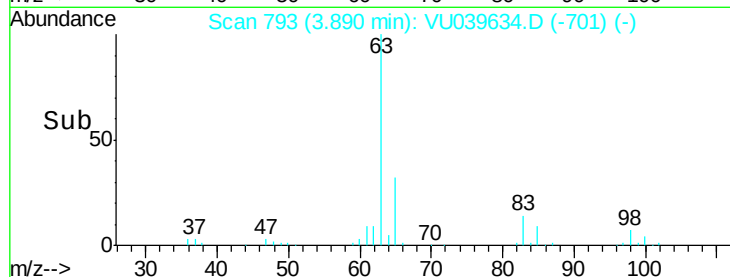


Abundance Ion 63.00 (62.70 to 63.70): VU039633.D (-776) (-)

Ion 65.00 (64.70 to 65.70): VU039633.D (-776) (-)

Ion 83.00 (82.70 to 83.70): VU039633.D (-776) (-)

Time-->

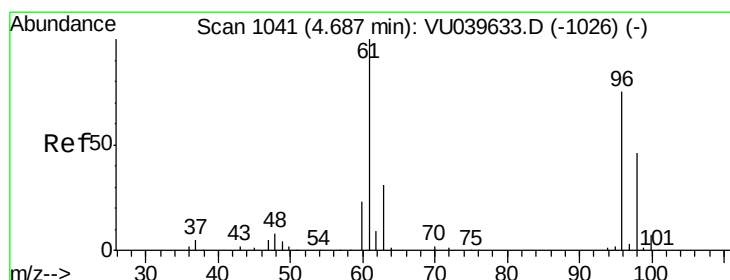


Abundance Ion 63.00 (62.70 to 63.70): VU039634.D (-701) (-)

Ion 65.00 (64.70 to 65.70): VU039634.D (-701) (-)

Ion 83.00 (82.70 to 83.70): VU039634.D (-701) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 87.531 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

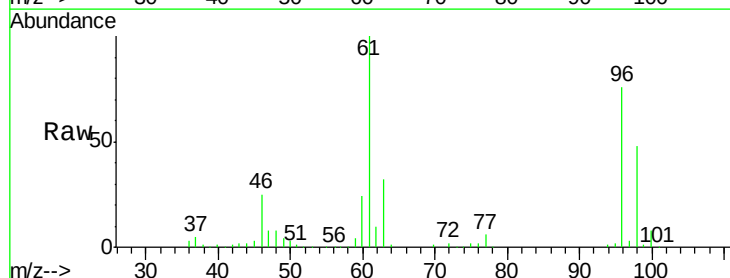
Tgt Ion: 96 Resp: 148961

Ion Ratio Lower Upper

96 100

61 131.2 94.0 174.6

68 0.0 0.0 0.0

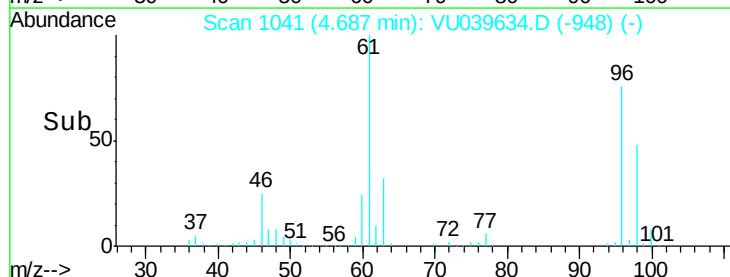


Abundance Ion 96.00 (95.70 to 96.70): VU039633.D (-1026) (-)

Ion 61.00 (60.70 to 61.70): VU039633.D (-1026) (-)

Ion 68.00 (67.70 to 68.70): VU039633.D (-1026) (-)

Time-->

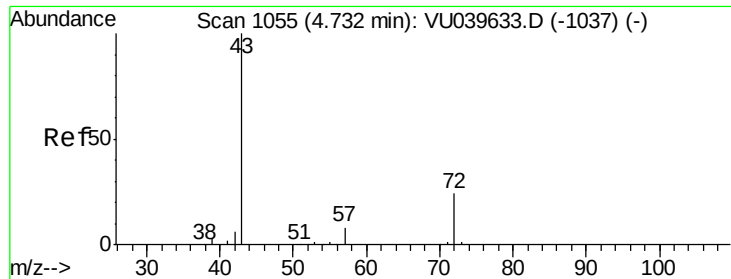


Abundance Ion 96.00 (95.70 to 96.70): VU039634.D (-948) (-)

Ion 61.00 (60.70 to 61.70): VU039634.D (-948) (-)

Ion 68.00 (67.70 to 68.70): VU039634.D (-948) (-)

Time-->



#22

2-Butanone

Concen: 193.521 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

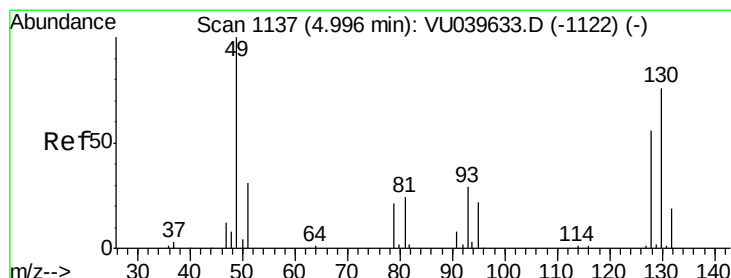
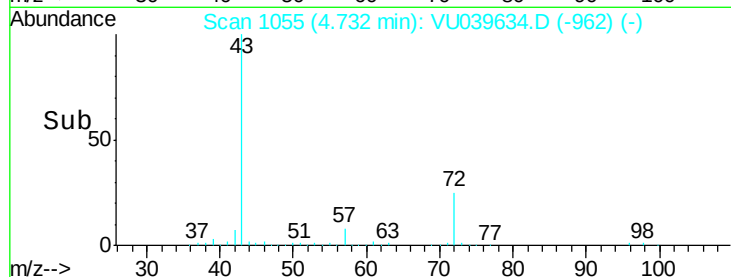
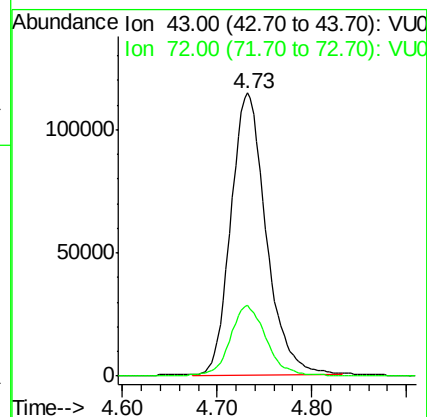
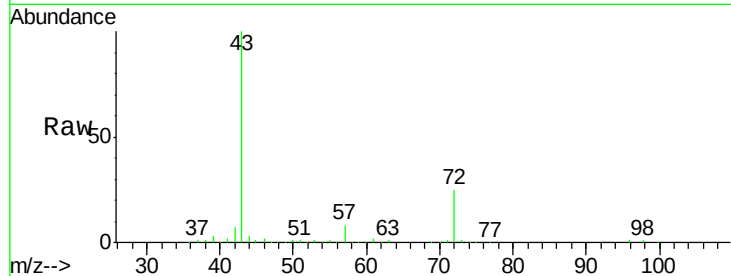
VSTD10033

Tgt Ion: 43 Resp: 296887

Ion Ratio Lower Upper

43 100

72 26.0 12.8 38.3



#23

Bromochloromethane

Concen: 91.528 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Tgt Ion: 128 Resp: 77441

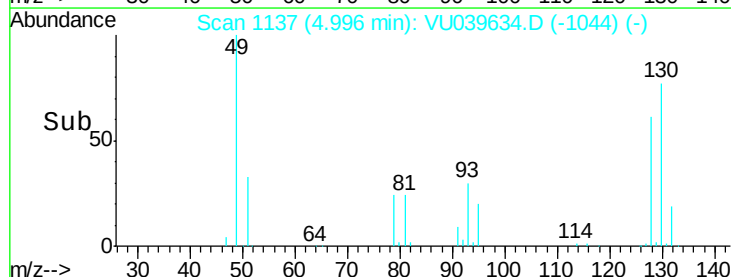
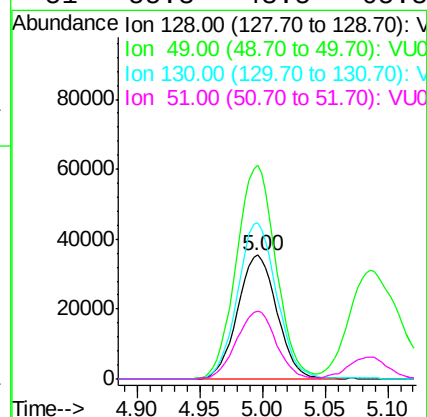
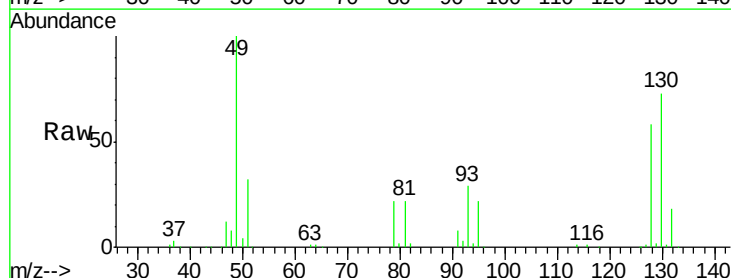
Ion Ratio Lower Upper

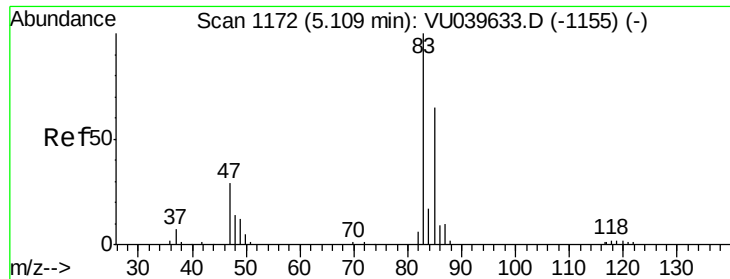
128 100

49 172.5 124.5 231.3

130 125.9 94.4 175.2

51 55.3 43.5 65.3

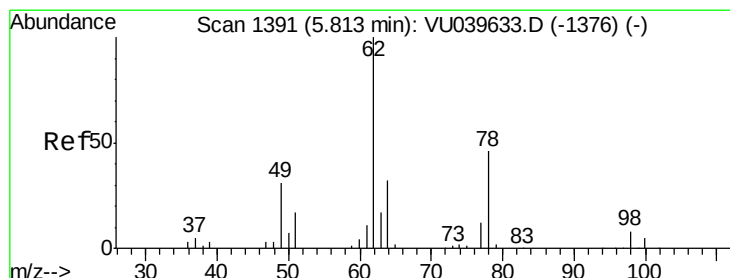
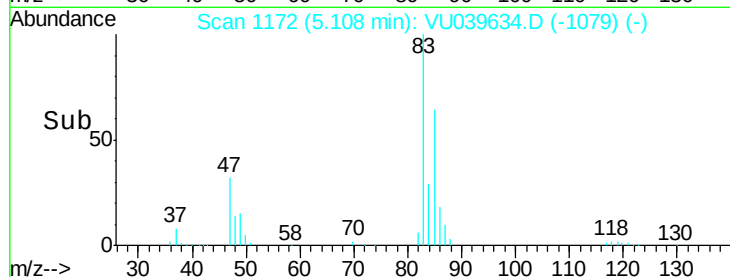
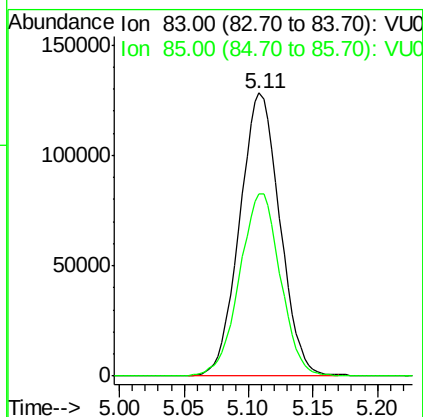
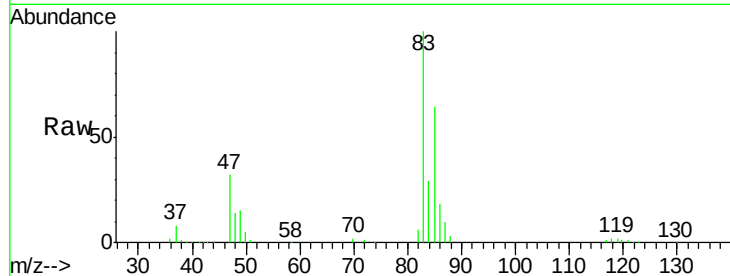




#25
Chloroform
Concen: 93.483 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

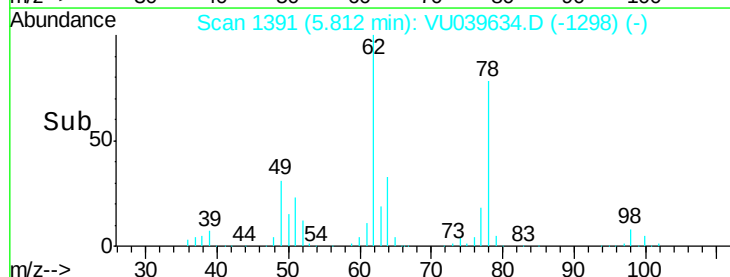
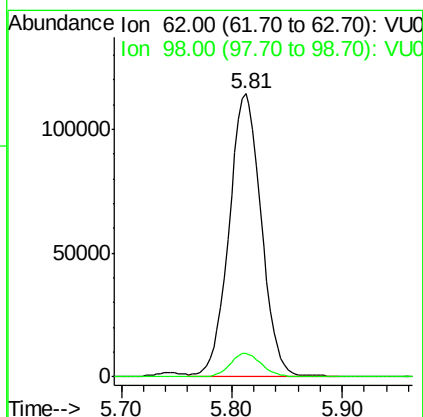
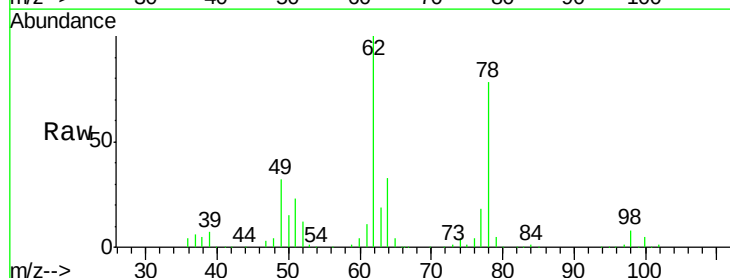
Instrument :
MSVOA_U
ClientSampled :
VSTD10033

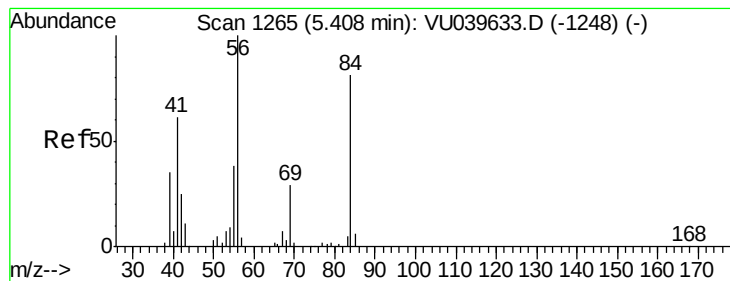
Tgt Ion: 83 Resp: 278610
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6



#27
1,2-Dichloroethane
Concen: 94.916 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

Tgt Ion: 62 Resp: 232462
Ion Ratio Lower Upper
62 100
98 8.2 6.4 9.6





#29

Cyclohexane

Concen: 89.120 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

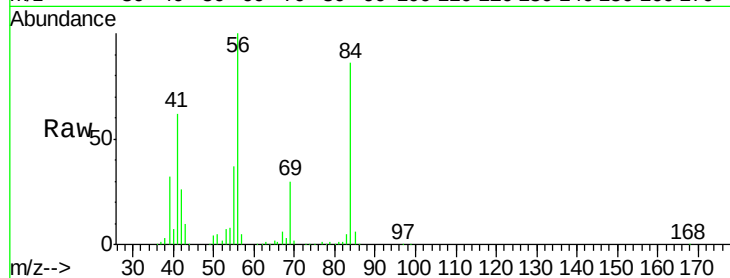
Tgt Ion: 56 Resp: 235589

Ion Ratio Lower Upper

56 100

69 30.1 23.9 35.9

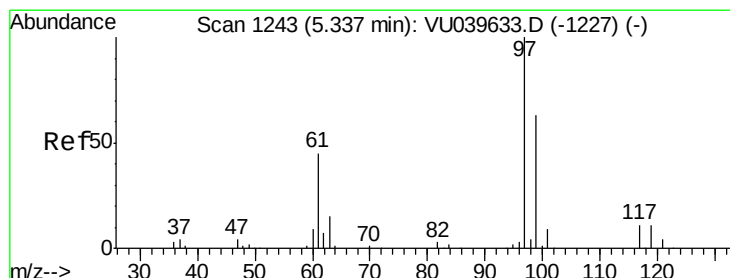
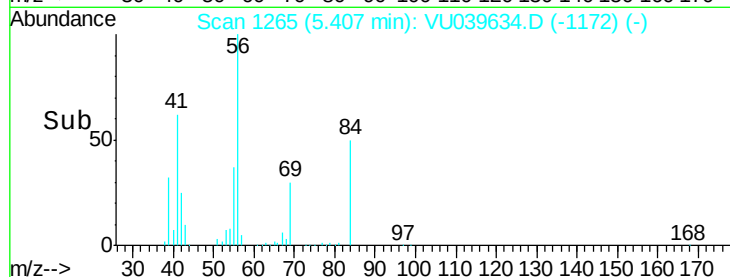
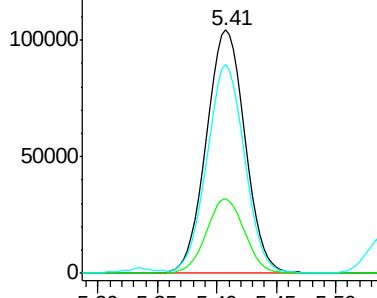
84 83.5 65.8 98.8



Abundance Ion 56.00 (55.70 to 56.70): VU039633.D (-1248) (-)

Ion 69.00 (68.70 to 69.70): VU039633.D (-1248) (-)

Ion 84.00 (83.70 to 84.70): VU039633.D (-1248) (-)



#30

1,1,1-Trichloroethane

Concen: 89.494 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

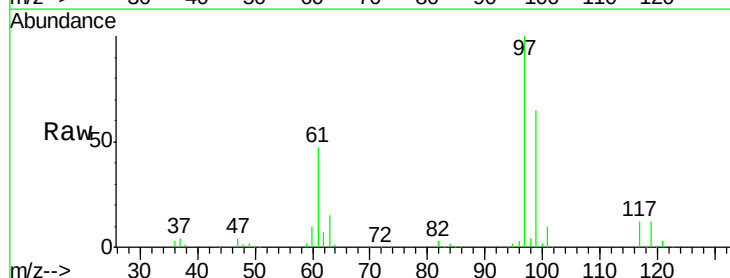
Tgt Ion: 97 Resp: 246935

Ion Ratio Lower Upper

97 100

99 65.8 50.3 75.5

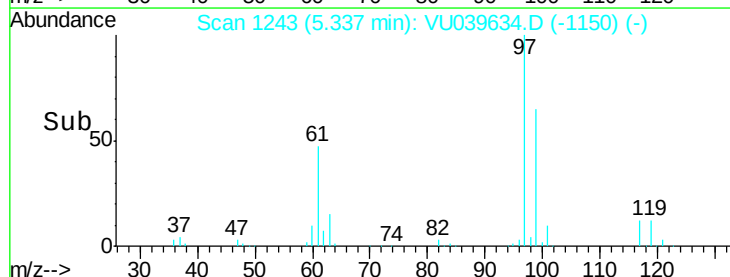
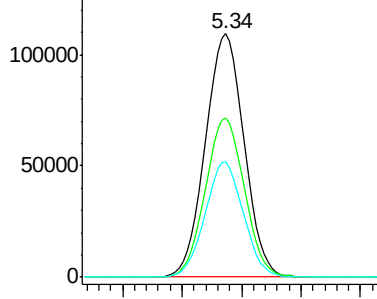
61 46.7 36.0 54.0

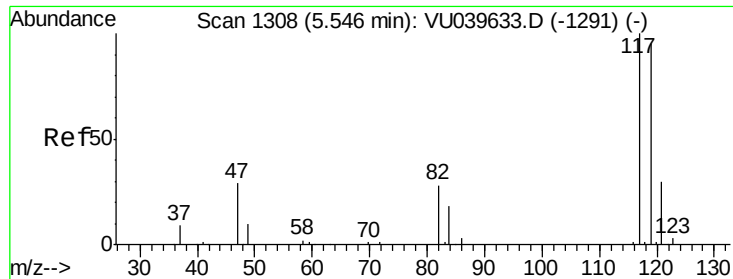


Abundance Ion 97.00 (96.70 to 97.70): VU039633.D (-1227) (-)

Ion 99.00 (98.70 to 99.70): VU039633.D (-1227) (-)

Ion 61.05 (60.75 to 61.75): VU039633.D (-1227) (-)





#31

Carbon tetrachloride

Concen: 94.669 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

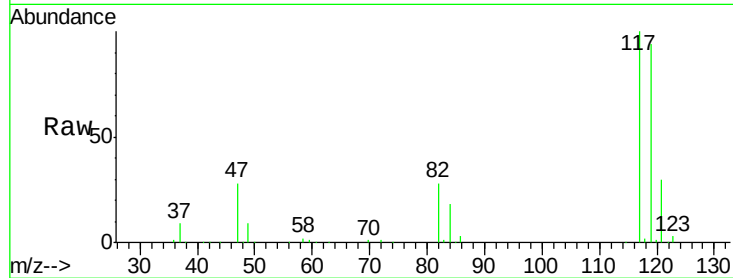
VSTD10033

Tgt Ion:117 Resp: 217840

Ion Ratio Lower Upper

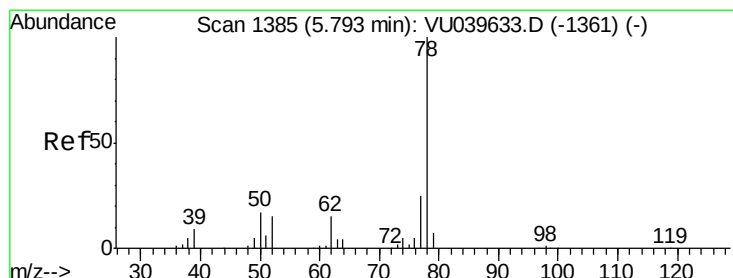
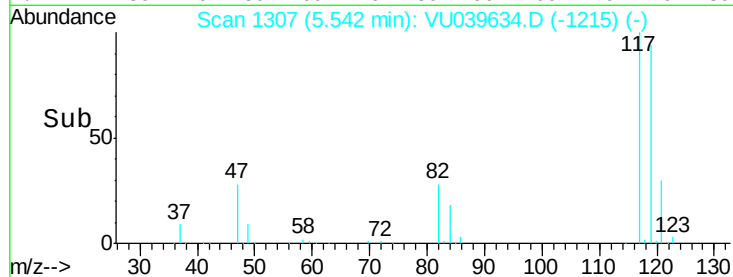
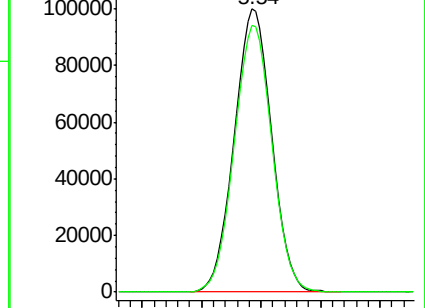
117 100

119 95.2 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 84.819 ug/L

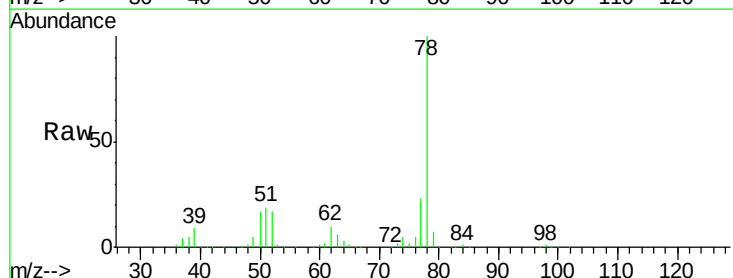
RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

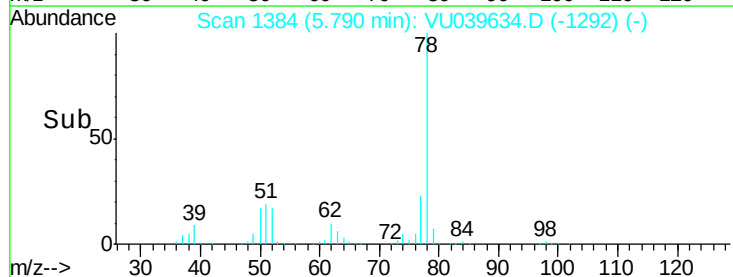
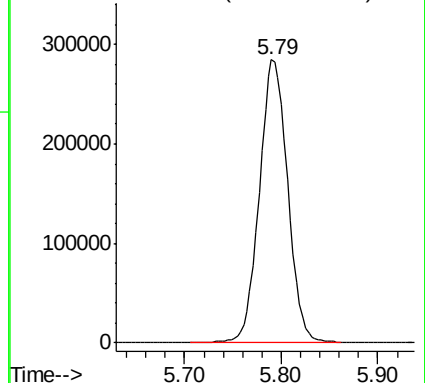
Lab File: VU039634.D

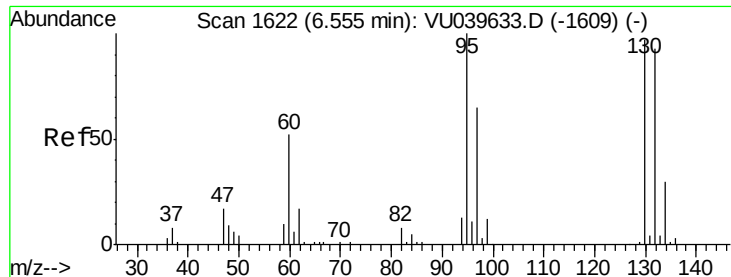
Acq: 23 Jul 2020 12:19

Tgt Ion: 78 Resp: 580074



Abundance Ion 78.00 (77.70 to 78.70): VU0

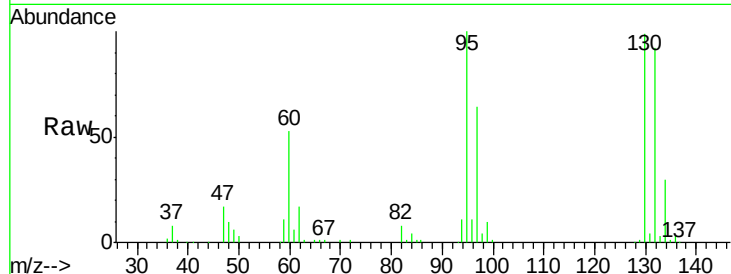




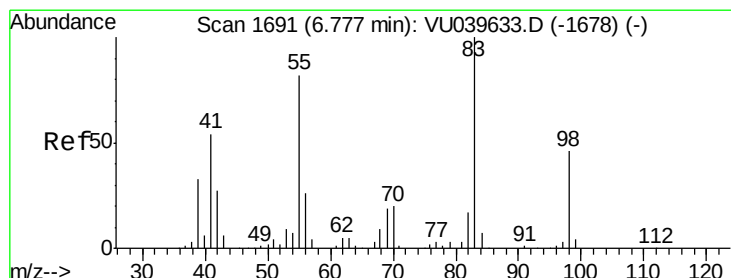
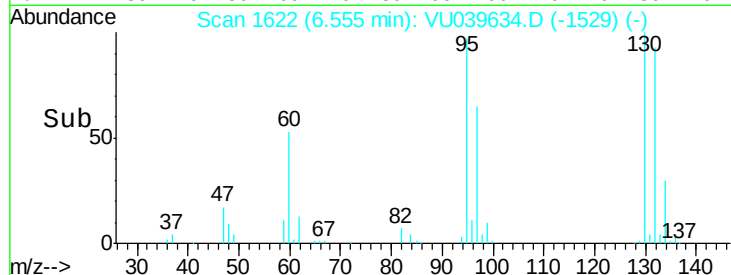
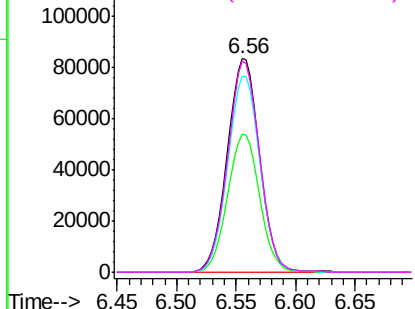
#34
 Trichloroethene
 Concen: 88.927 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	95	Resp:	156475
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.5	84.5
132	91.8	65.0	120.6
130	99.1	67.9	126.1

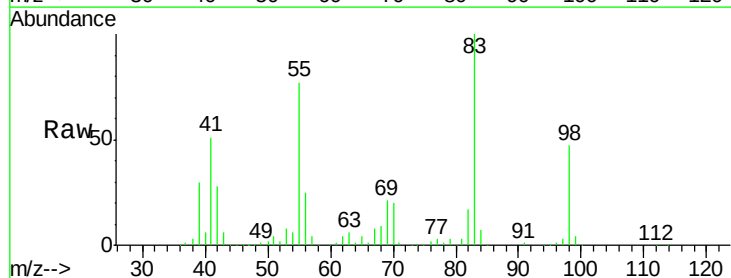


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

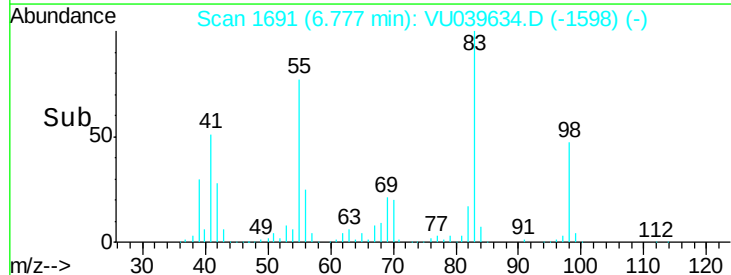
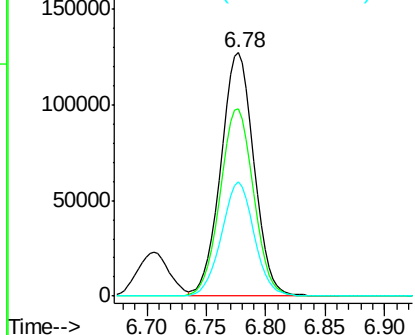


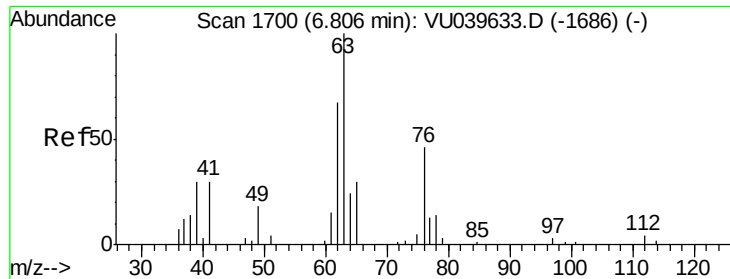
#35
 Methylcyclohexane
 Concen: 92.813 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Tgt Ion:	83	Resp:	246306
Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.9	94.3
98	46.2	36.3	54.5



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

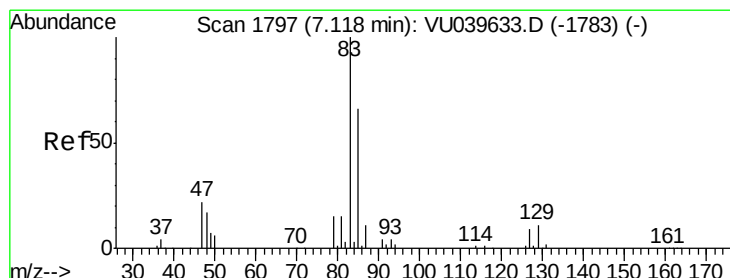
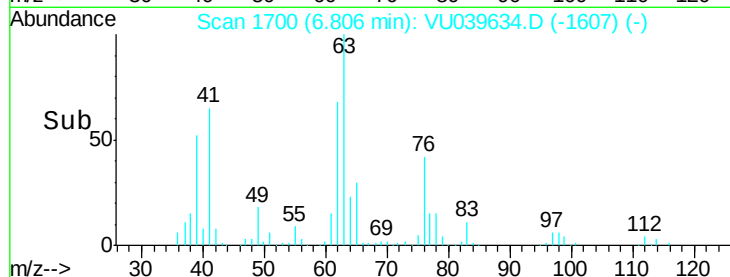
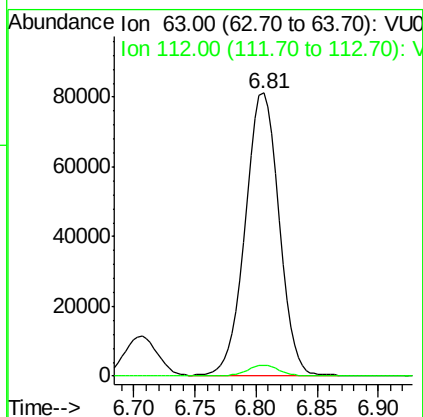
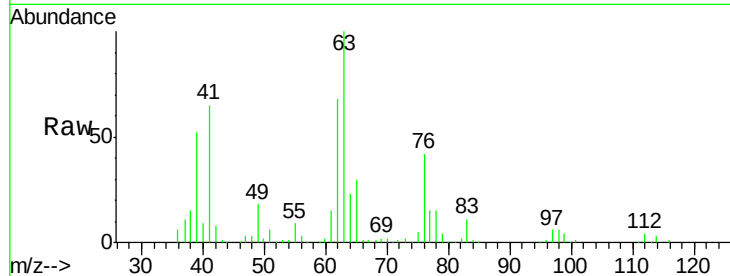




#37
 1,2-Dichloropropane
 Concen: 86.316 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

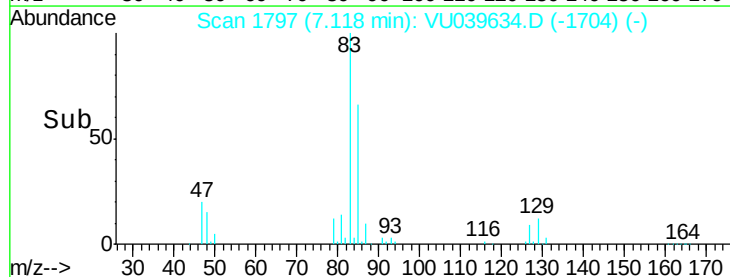
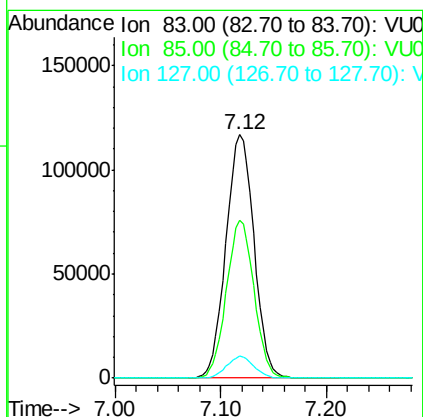
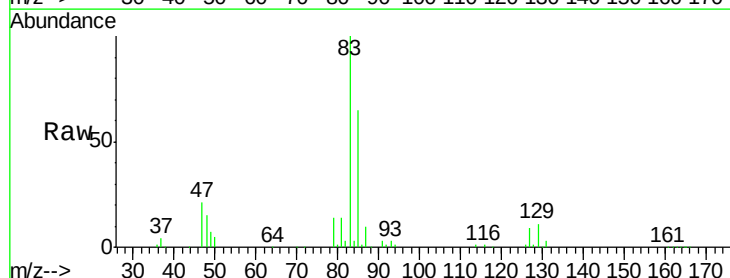
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

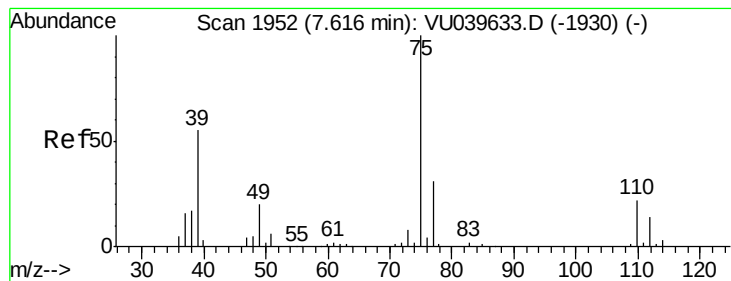
Tgt Ion: 63 Resp: 154545
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 93.041 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 83 Resp: 215608
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.9 85.3
 127 8.9 7.4 11.2



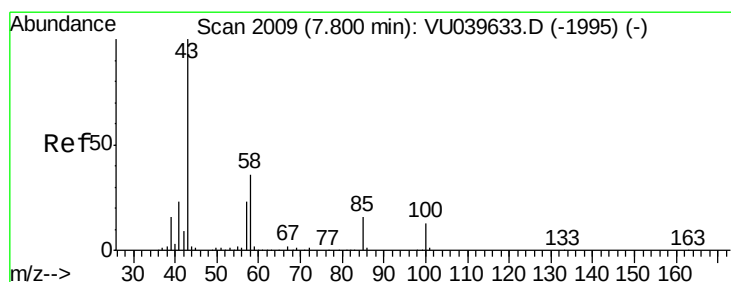
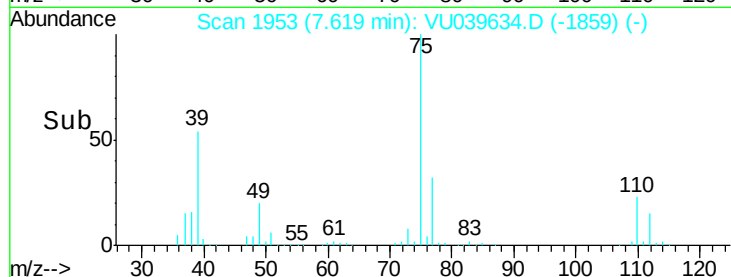
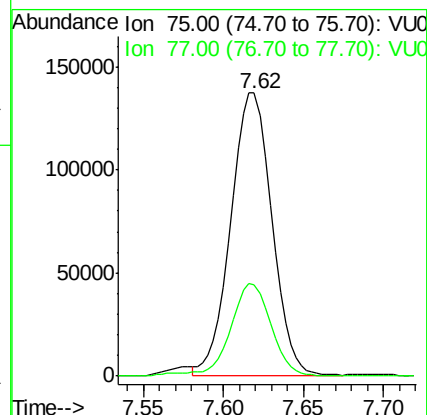
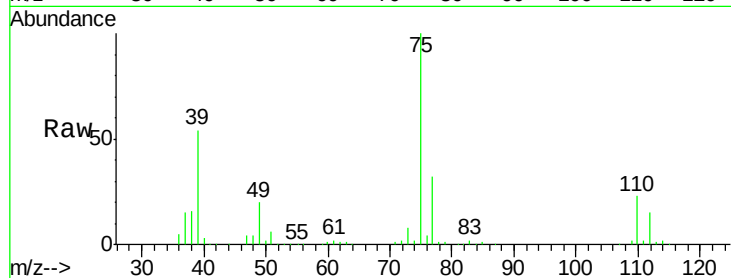


#39

cis-1,3-Dichloropropene
Concen: 87.784 ug/L
RT: 7.62 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

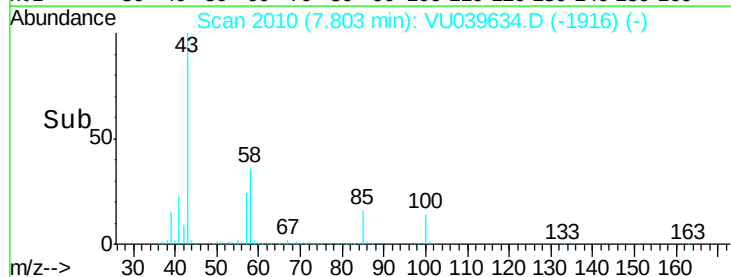
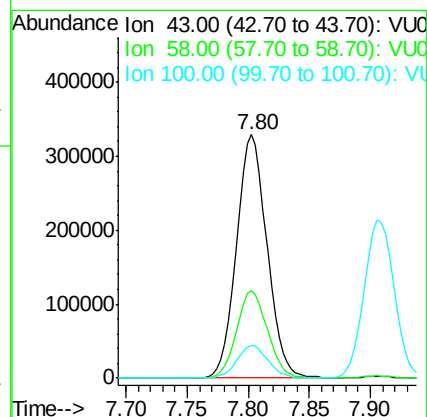
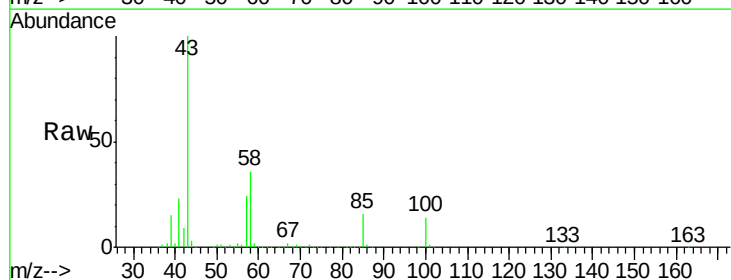
Tgt Ion: 75 Resp: 242193
Ion Ratio Lower Upper
75 100
77 32.5 21.8 40.6

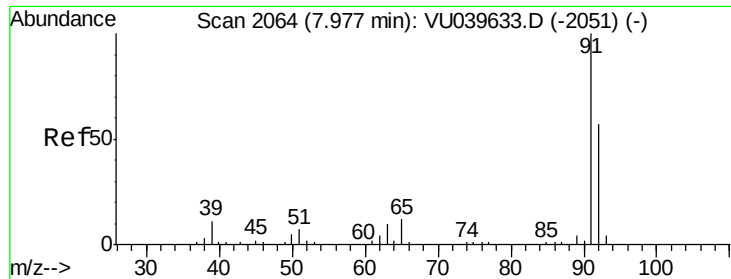


#40

4-Methyl-2-pentanone
Concen: 198.660 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

Tgt Ion: 43 Resp: 572592
Ion Ratio Lower Upper
43 100
58 36.5 29.1 43.7
100 13.6 10.6 16.0





#42

Toluene

Concen: 93.220 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

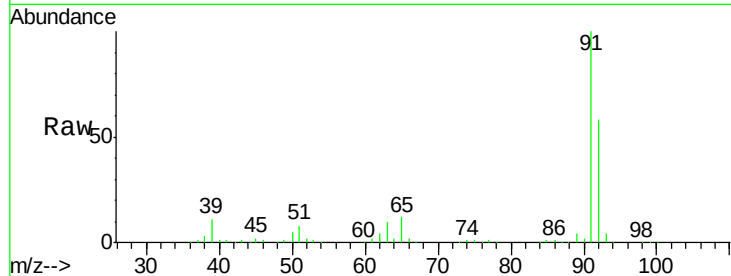
VSTD10033

Tgt Ion: 91 Resp: 672905

Ion Ratio Lower Upper

91 100

92 58.0 40.1 74.5



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

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

7.98

400000

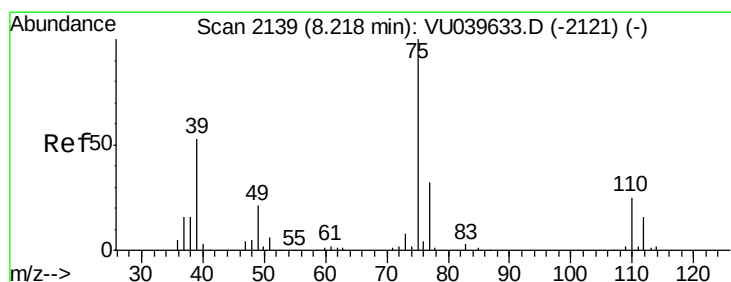
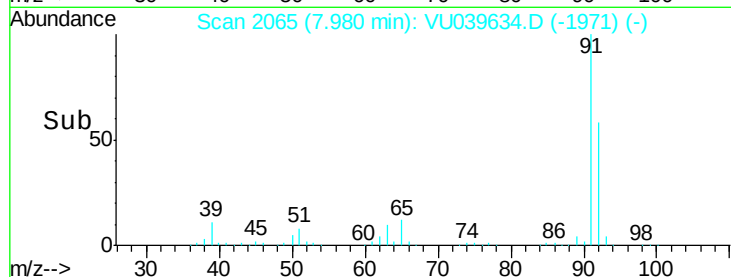
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 96.173 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. -0.00 min

Lab File: VU039634.D

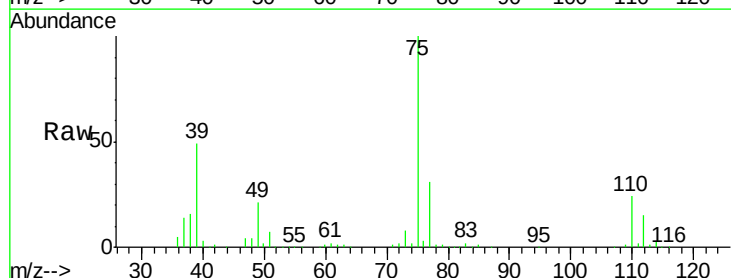
Acq: 23 Jul 2020 12:19

Tgt Ion: 75 Resp: 255612

Ion Ratio Lower Upper

75 100

77 30.6 22.7 42.1



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

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

8.22

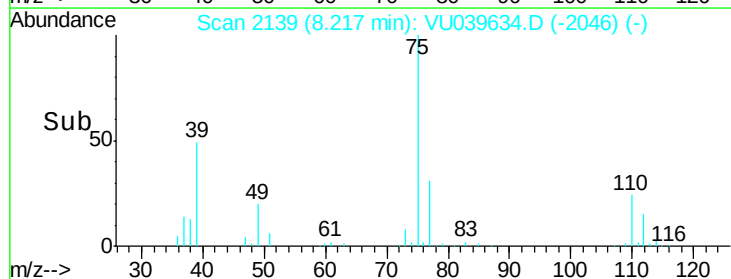
150000

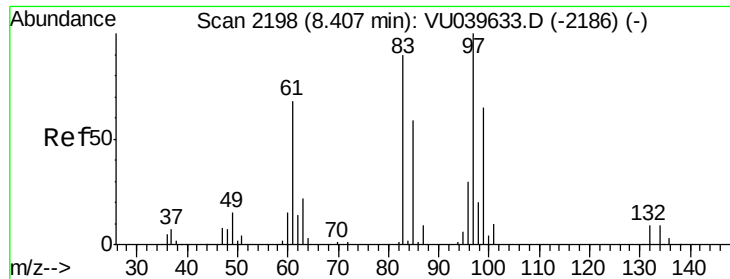
100000

50000

0

Time-->

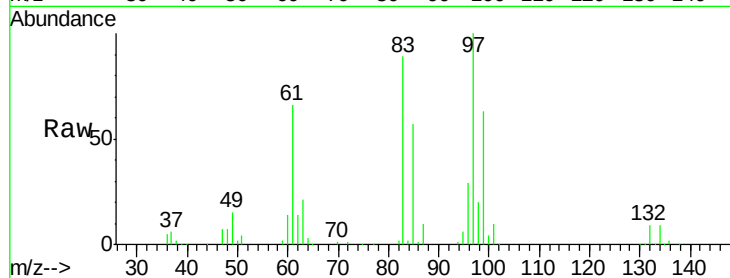




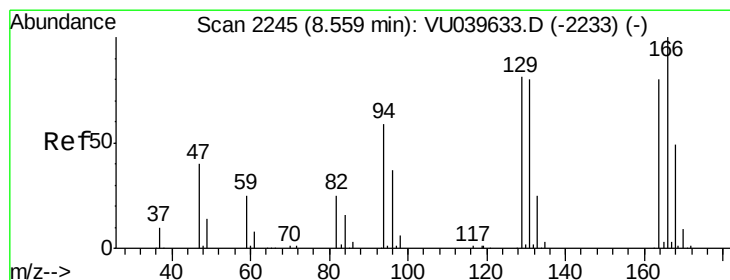
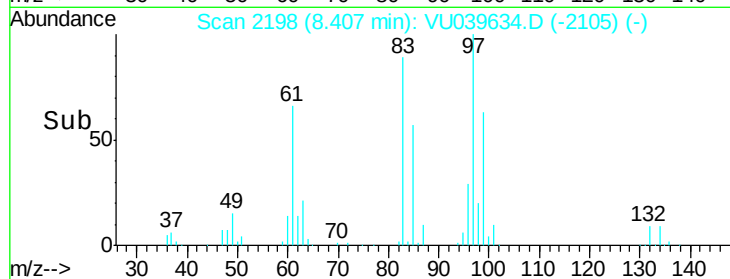
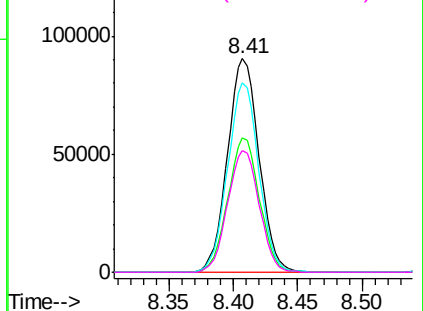
#45
 1,1,2-Trichloroethane
 Concen: 89.414 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:	97	Resp:	153966
Ion	Ratio	Lower	Upper
97	100		
99	63.1	45.1	83.9
83	88.9	62.7	116.5
85	57.1	41.0	76.2

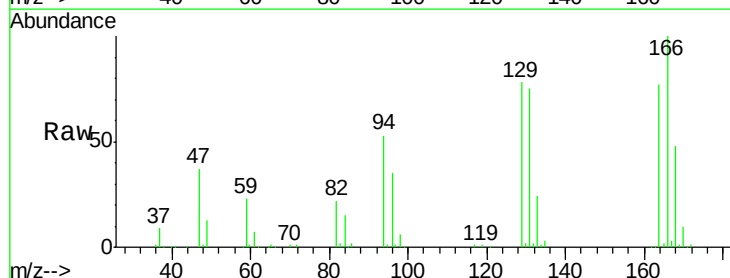


Abundance Ion 97.00 (96.70 to 97.70): VU039634.D (-2105) (-)

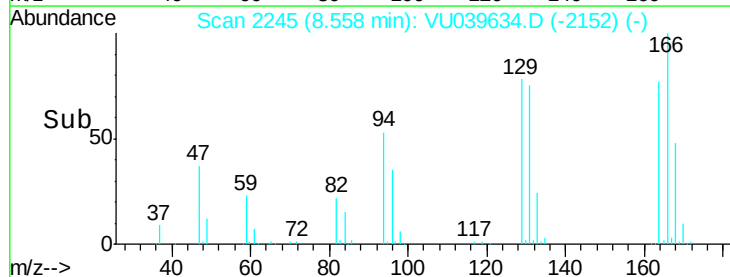
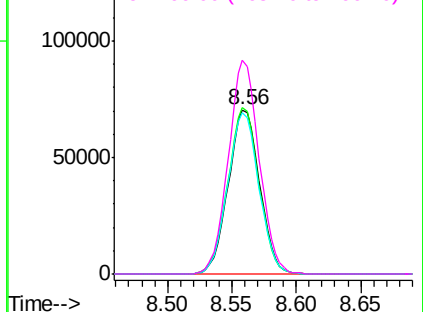


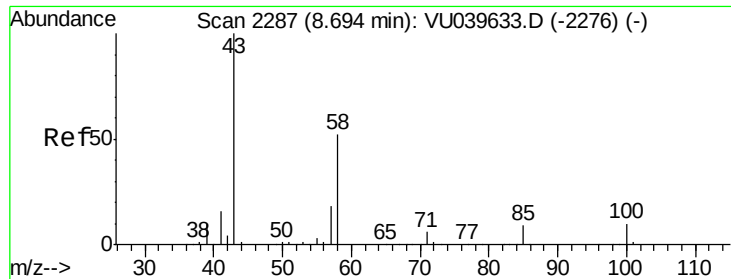
#46
 Tetrachloroethene
 Concen: 93.644 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Tgt Ion:	164	Resp:	118567
Ion	Ratio	Lower	Upper
164	100		
129	101.3	71.1	132.1
131	98.1	70.3	130.5
166	130.1	87.8	163.0



Abundance Ion 164.00 (163.70 to 164.70): VU039634.D (-2152) (-)

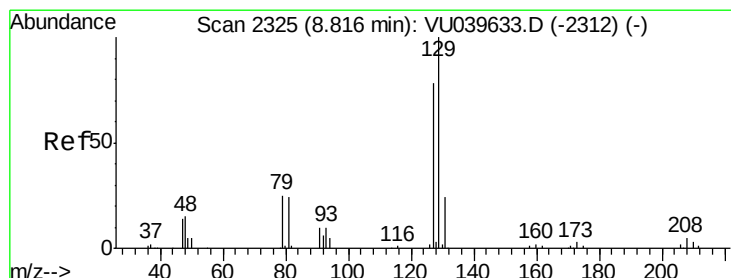
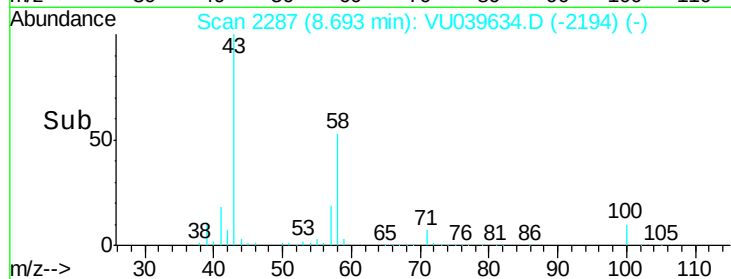
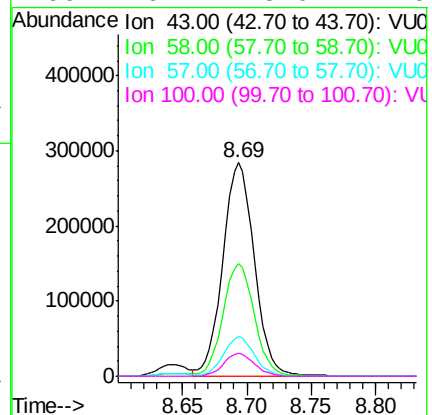
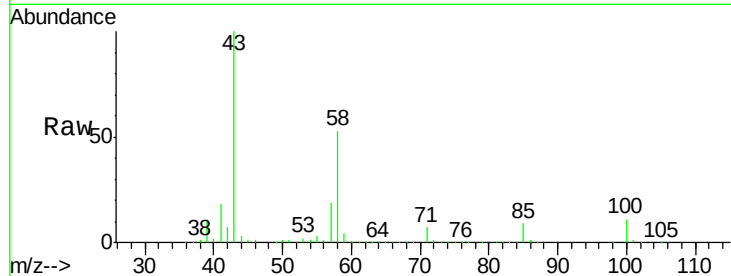




#48
2-Hexanone
Concen: 201.797 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

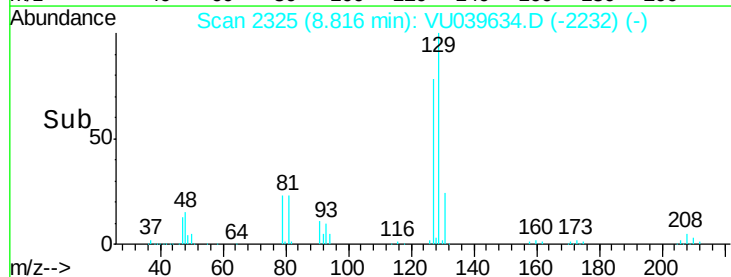
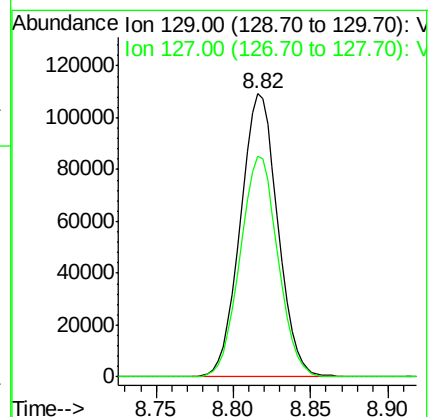
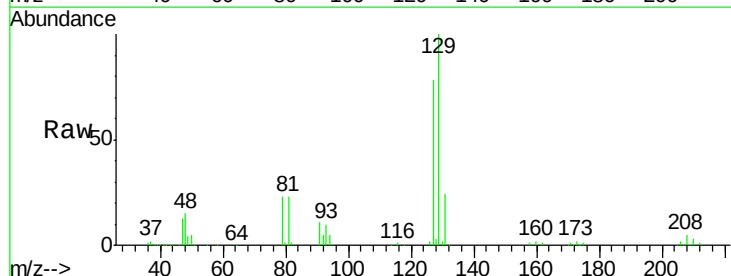
Instrument :
MSVOA_U
ClientSampleId :
VSTD10033

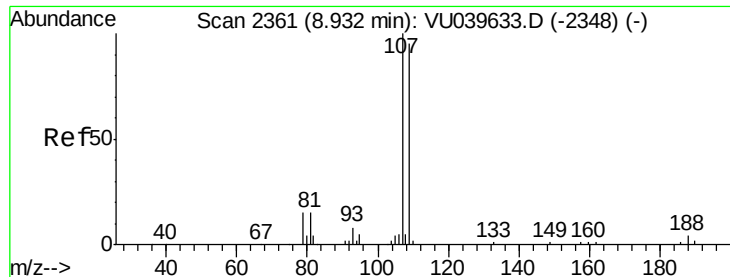
Tgt Ion: 43 Resp: 481213
Ion Ratio Lower Upper
43 100
58 52.5 40.6 61.0
57 18.2 14.5 21.7
100 10.4 8.0 12.0



#49
Dibromochloromethane
Concen: 101.862 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039634.D
Acq: 23 Jul 2020 12:19

Tgt Ion: 129 Resp: 183664
Ion Ratio Lower Upper
129 100
127 78.1 54.3 100.9

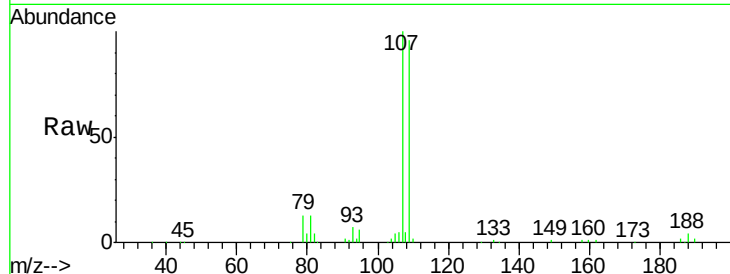




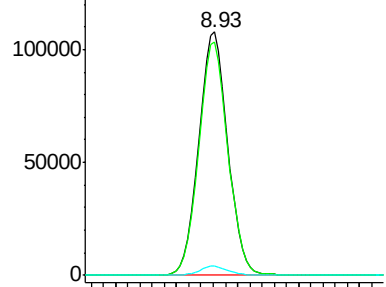
#50
 1,2-Dibromoethane
 Concen: 96.102 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

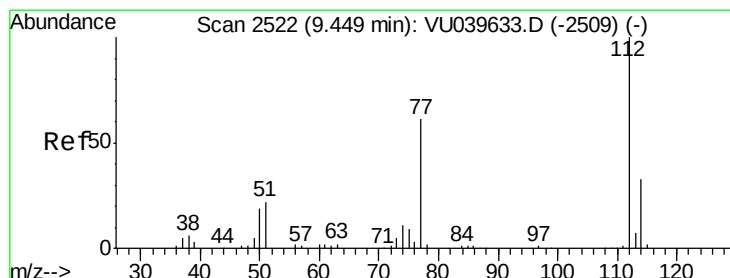
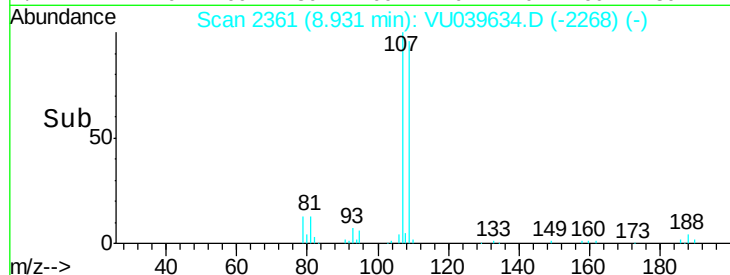
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	66.8	124.2
188	3.7	3.0	4.4



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

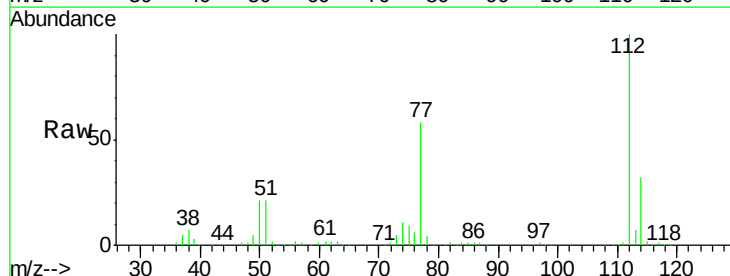


Time-->

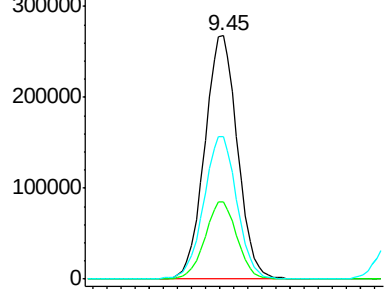


#51
 Chlorobenzene
 Concen: 94.255 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

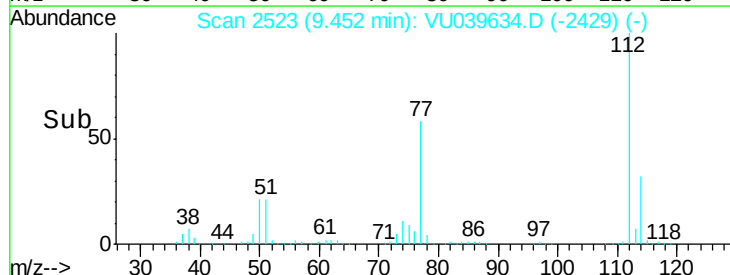
Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.9	42.5
77	58.3	49.4	74.0

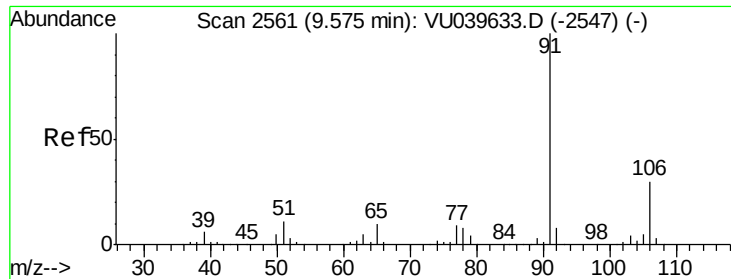


Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V



Time-->





#52

Ethylbenzene

Concen: 97.149 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

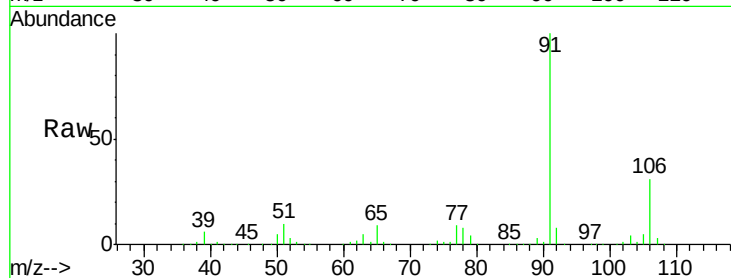
VSTD10033

Tgt Ion: 91 Resp: 774408

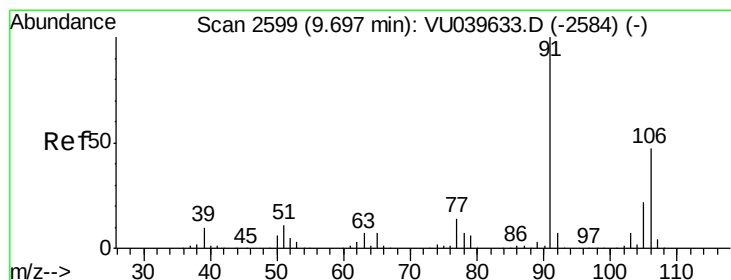
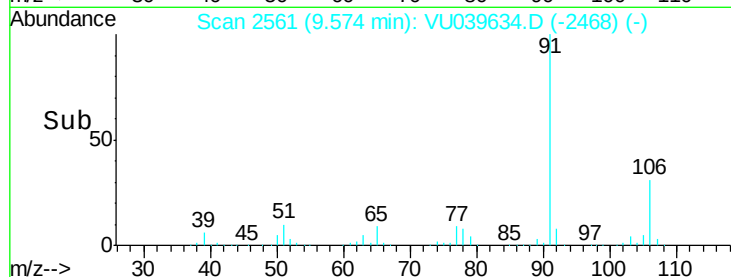
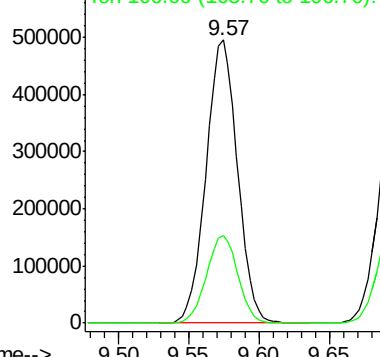
Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.1



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



#53

m,p-Xylene

Concen: 98.973 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039634.D

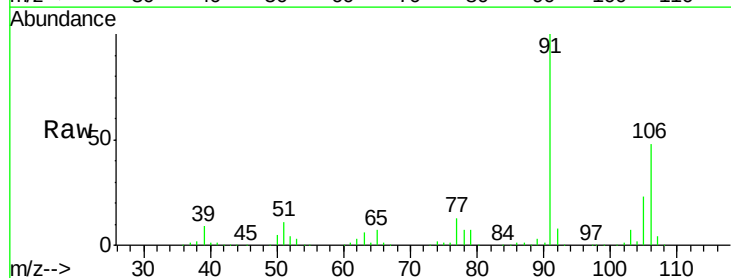
Acq: 23 Jul 2020 12:19

Tgt Ion: 106 Resp: 301226

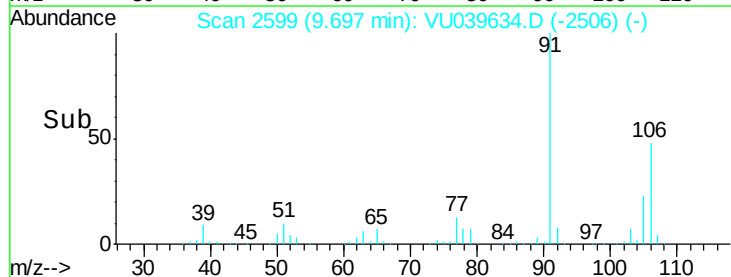
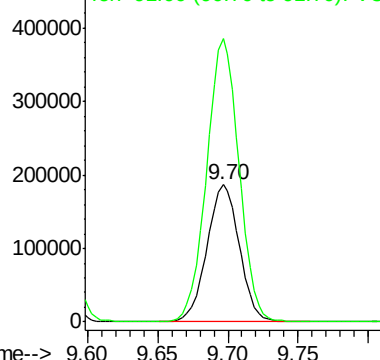
Ion Ratio Lower Upper

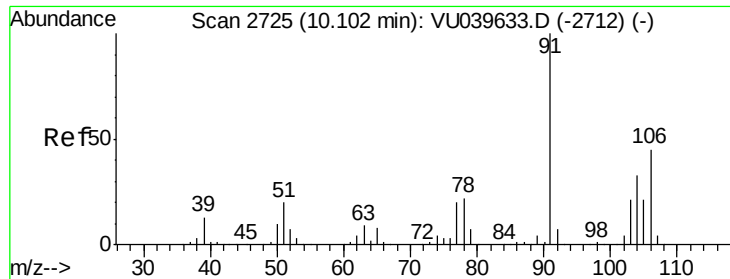
106 100

91 206.6 149.7 277.9



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





#54

o-xylene

Concen: 98.514 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

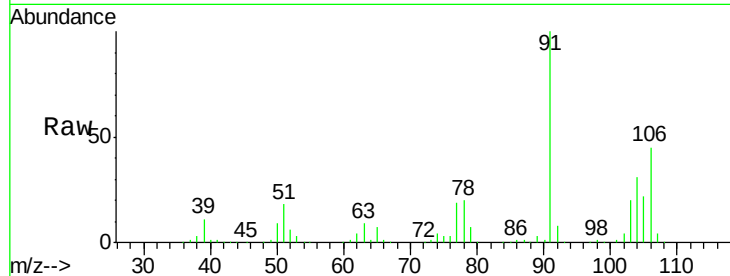
VSTD10033

Tgt Ion:106 Resp: 291634

Ion Ratio Lower Upper

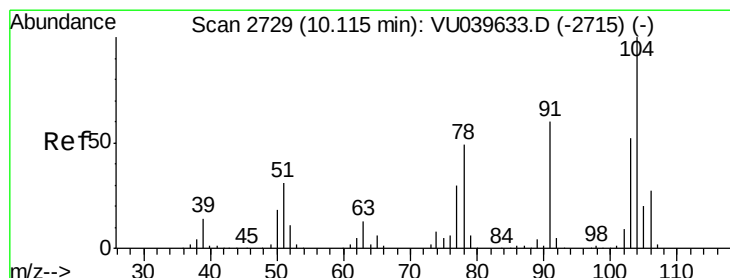
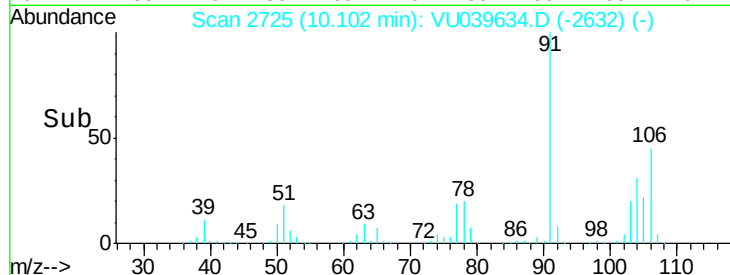
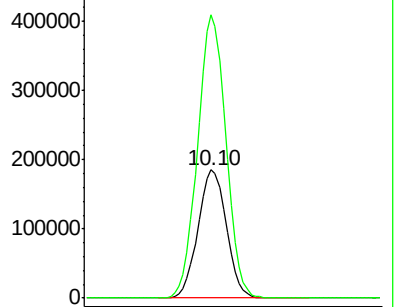
106 100

91 221.2 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 100.473 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039634.D

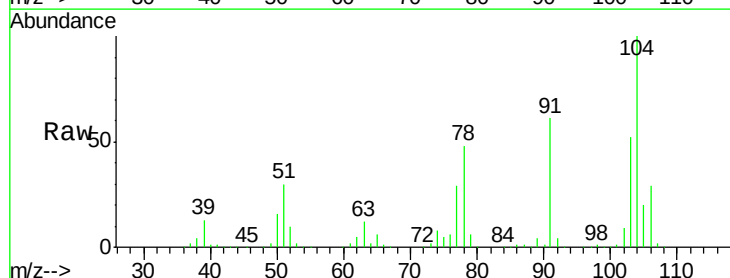
Acq: 23 Jul 2020 12:19

Tgt Ion:104 Resp: 515323

Ion Ratio Lower Upper

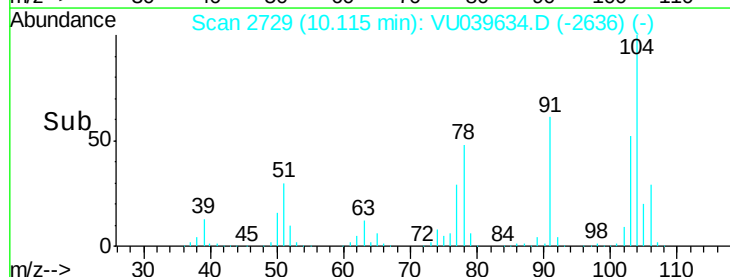
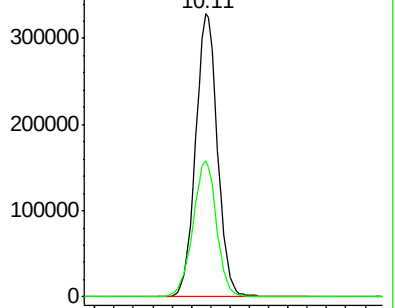
104 100

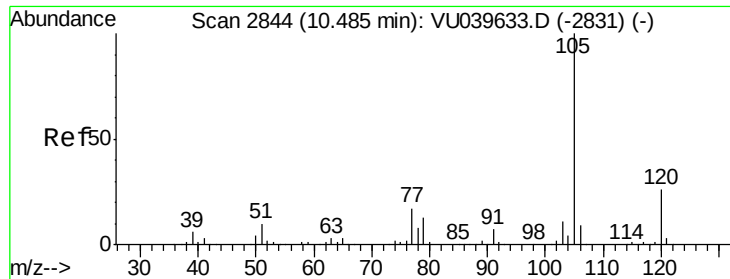
78 48.1 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 101.762 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

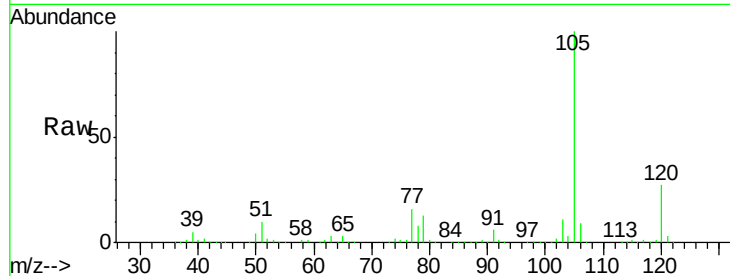
Tgt Ion:105 Resp: 790378

Ion Ratio Lower Upper

105 100

120 26.6 20.6 31.0

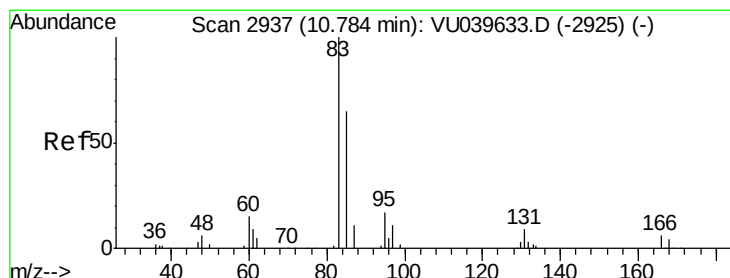
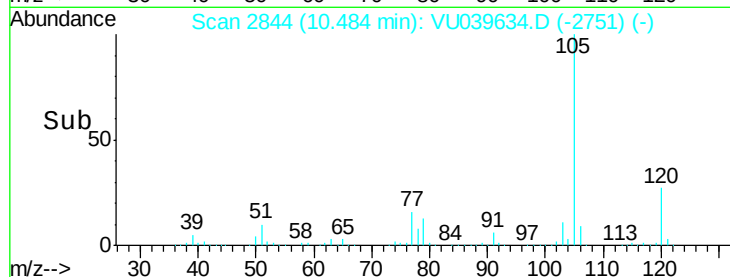
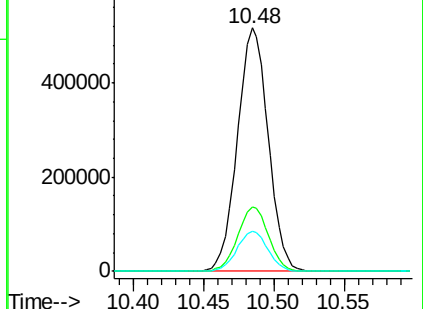
77 16.5 13.4 20.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 98.306 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

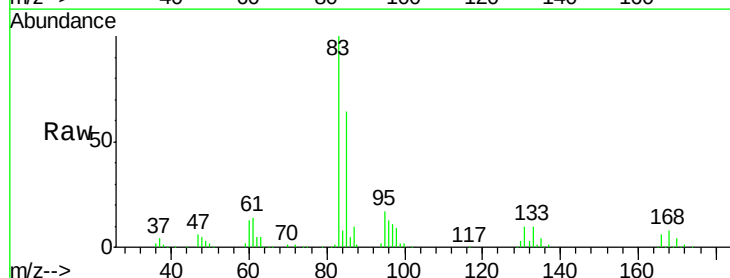
Tgt Ion: 83 Resp: 292864

Ion Ratio Lower Upper

83 100

85 64.1 46.4 86.2

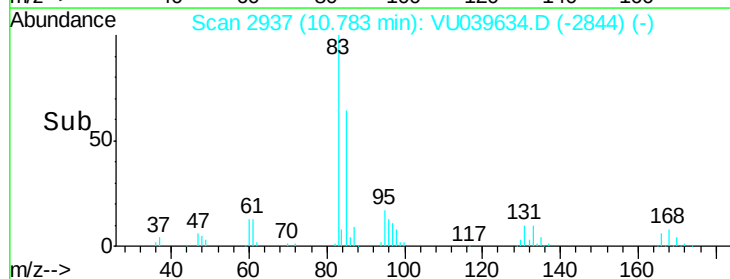
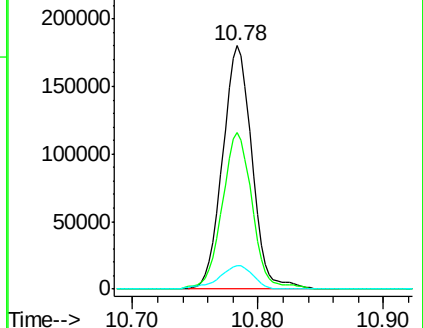
131 9.8 7.8 11.6

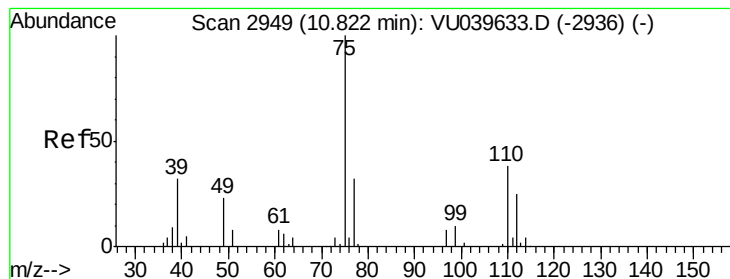


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 95.459 ug/L

RT: 10.83 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

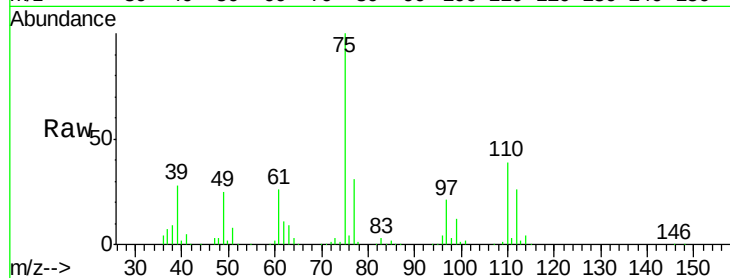
VSTD10033

Tgt Ion: 75 Resp: 241310

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU039633.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU039633.D (-2936) (-)

10.83

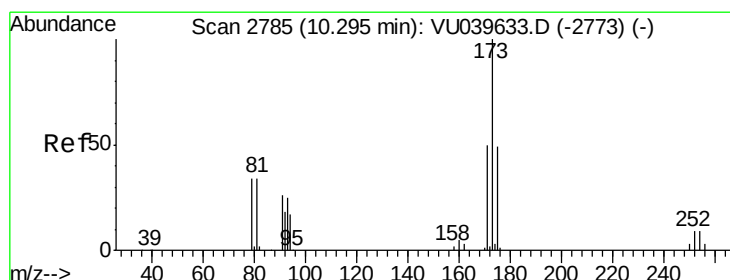
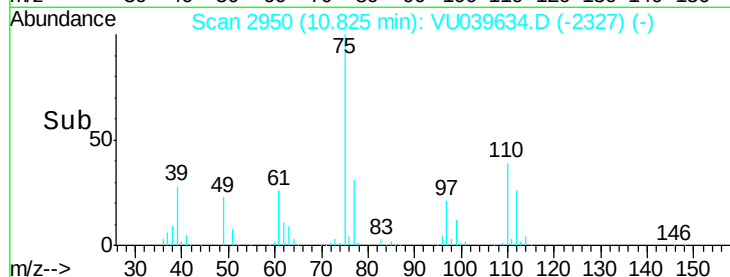
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 106.113 ug/L

RT: 10.29 min Scan# 2784

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

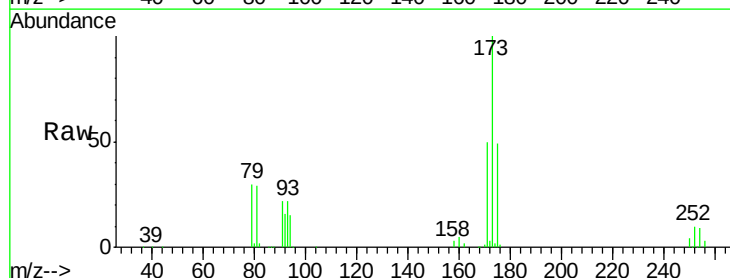
Tgt Ion: 173 Resp: 163098

Ion Ratio Lower Upper

173 100

175 48.8 38.4 57.6

254 9.5 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VU039633.D (-2773) (-)

Ion 175.00 (174.70 to 175.70): VU039633.D (-2773) (-)

Ion 254.00 (253.70 to 254.70): VU039633.D (-2773) (-)

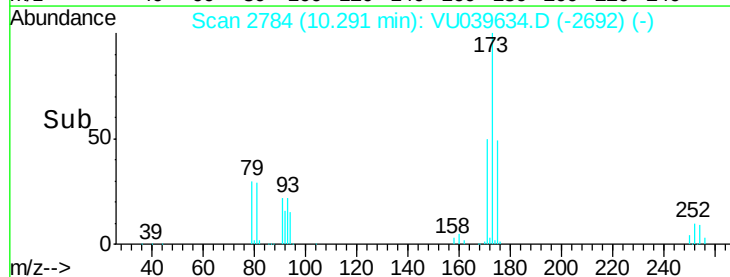
10.29

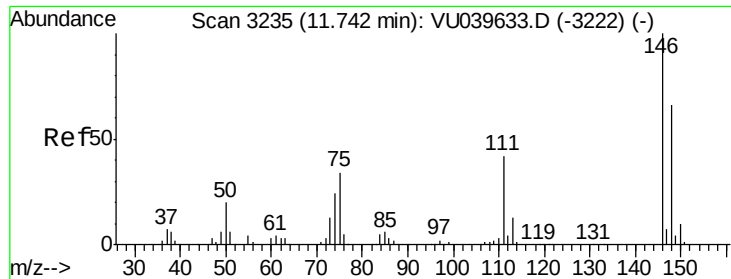
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 91.572 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

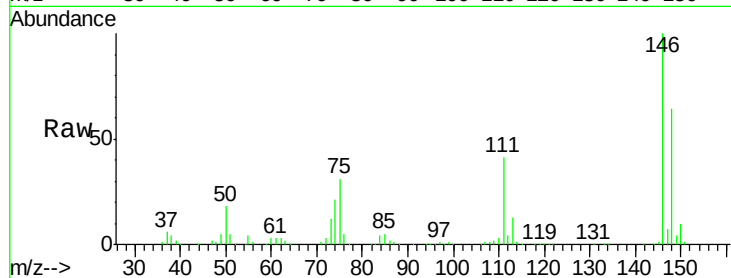
Tgt Ion:146 Resp: 388291

Ion Ratio Lower Upper

146 100

111 40.6 29.3 54.3

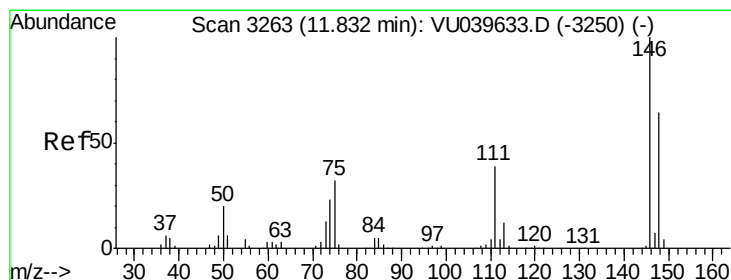
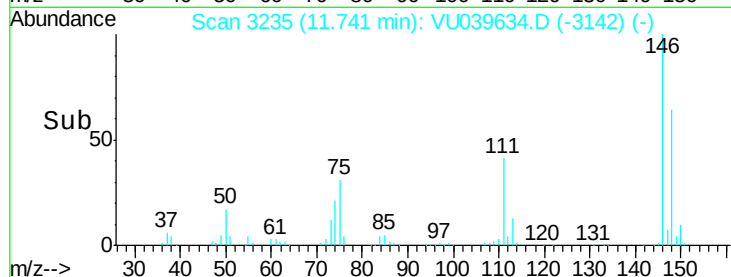
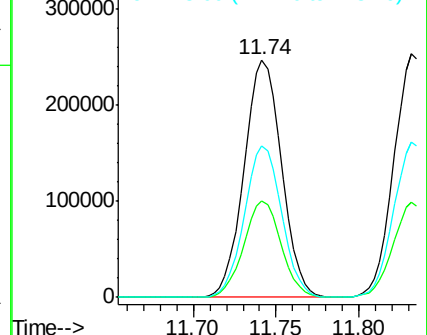
148 63.9 46.1 85.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 91.921 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

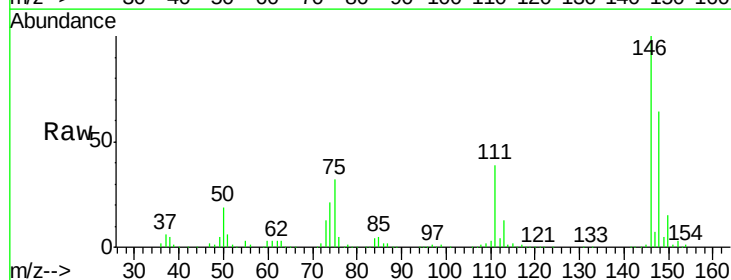
Tgt Ion:146 Resp: 393733

Ion Ratio Lower Upper

146 100

111 39.1 27.8 51.6

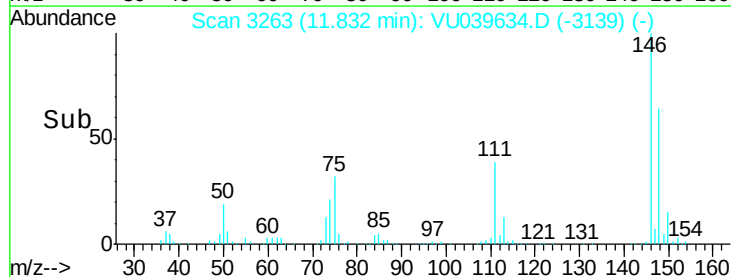
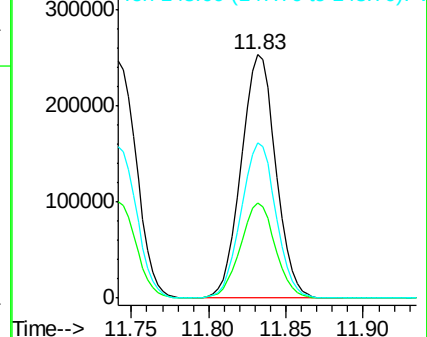
148 63.7 44.7 83.1

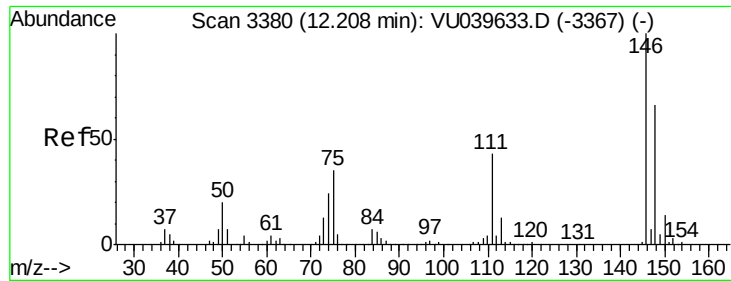


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

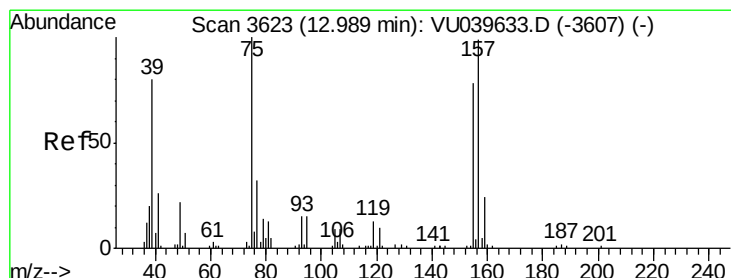
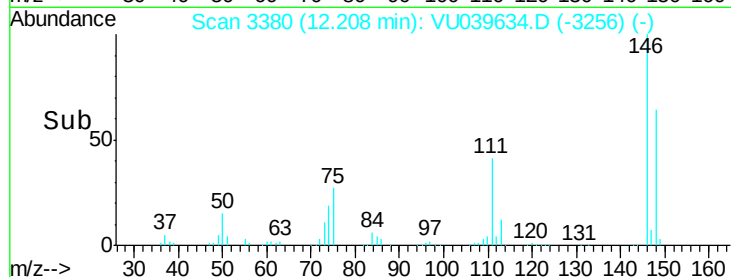
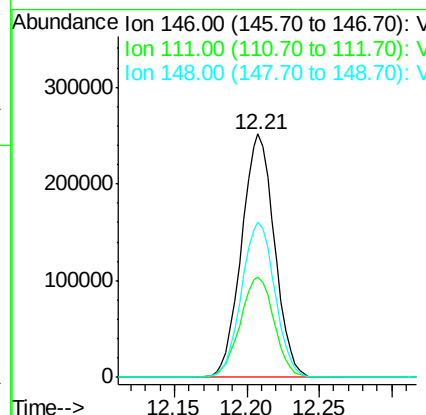
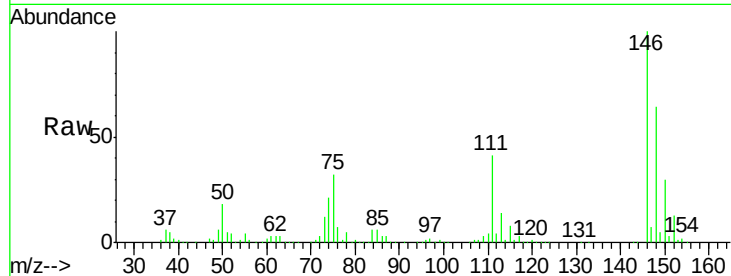




#65
 1,2-Dichlorobenzene
 Concen: 93.626 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

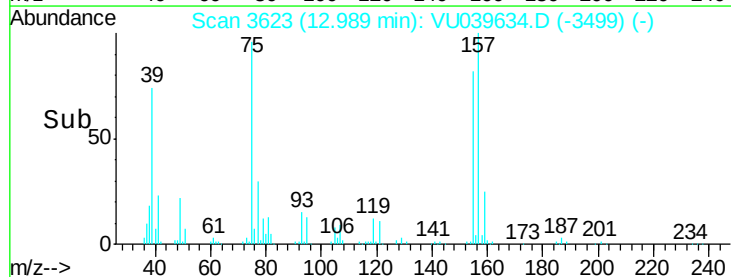
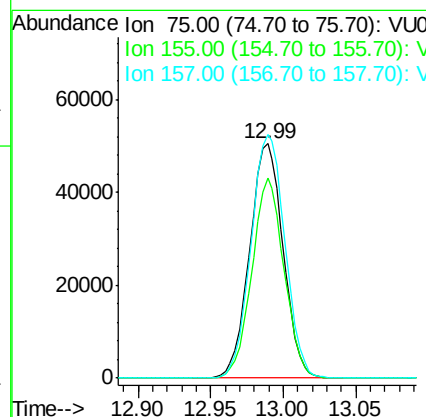
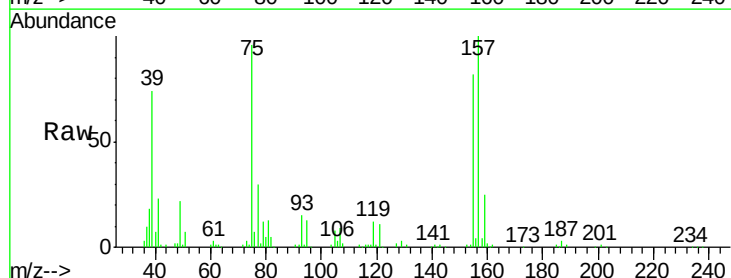
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

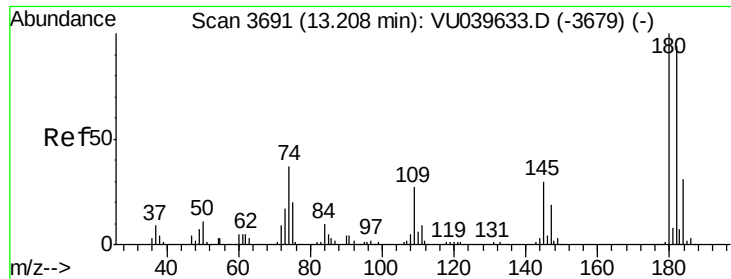
Tgt Ion: 146 Resp: 396717
 Ion Ratio Lower Upper
 146 100
 111 41.4 34.8 52.2
 148 64.0 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 91.670 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Tgt Ion: 75 Resp: 81281
 Ion Ratio Lower Upper
 75 100
 155 85.2 62.4 93.6
 157 104.0 78.9 118.3

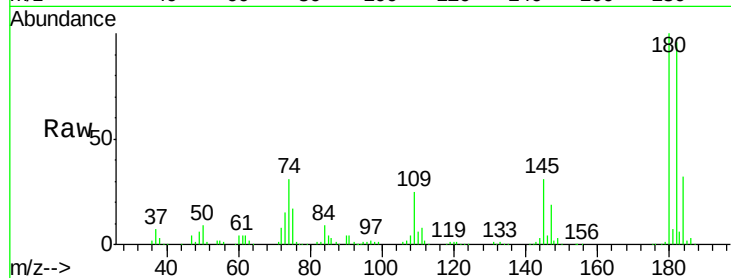




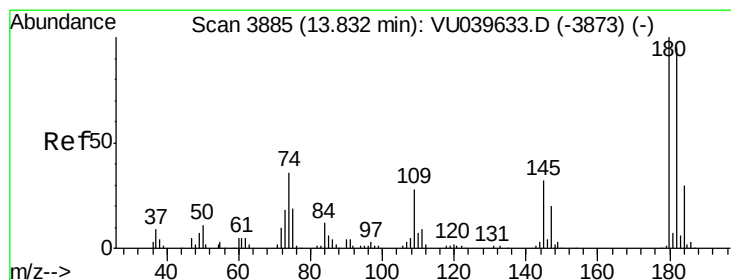
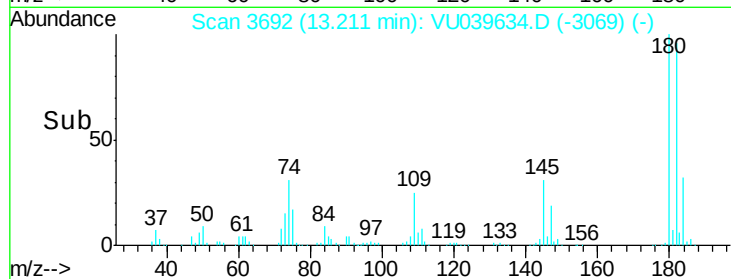
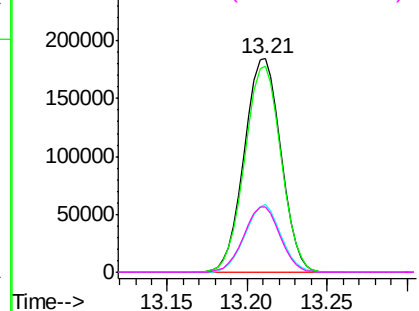
#67
 1,3,5-Trichlorobenzene
 Concen: 94.198 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD10033

Tgt Ion:180 Resp: 287789
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.7 113.5
 184 30.7 24.2 36.2
 145 30.4 24.6 36.8

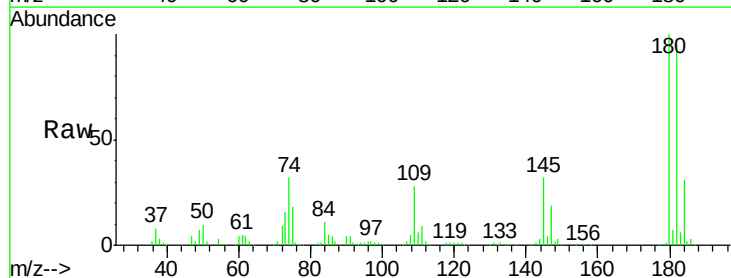


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

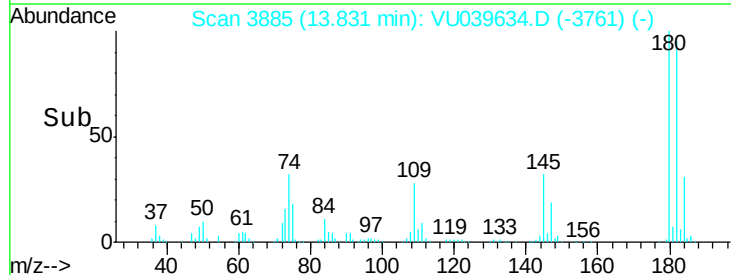
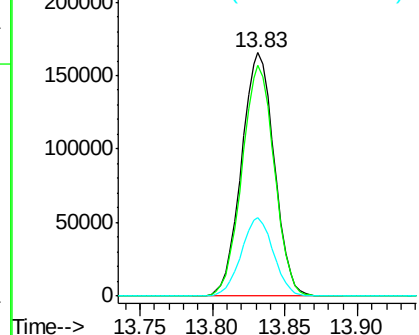


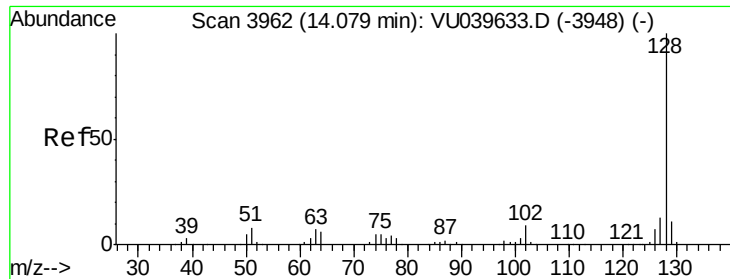
#68
 1,2,4-trichlorobenzene
 Concen: 90.716 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039634.D
 Acq: 23 Jul 2020 12:19

Tgt Ion:180 Resp: 258871
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.4 111.6
 145 31.7 24.8 37.2



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





#69

Naphthalene

Concen: 88.409 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD10033

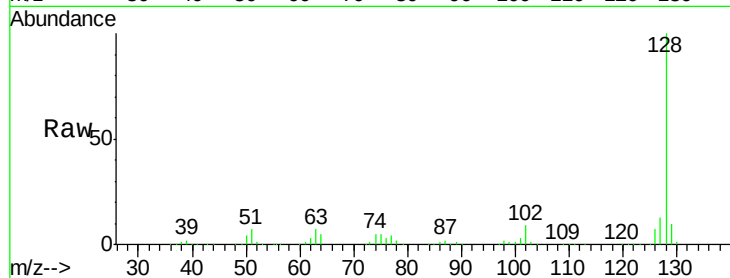
Tgt Ion:128 Resp: 863756

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

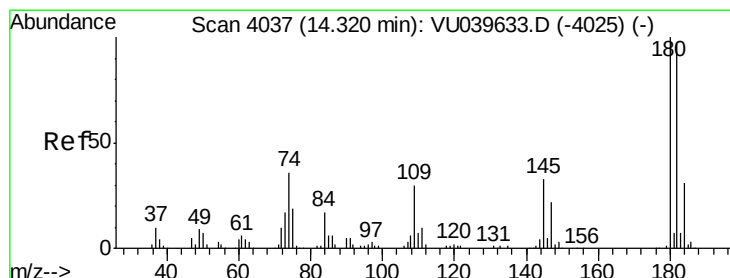
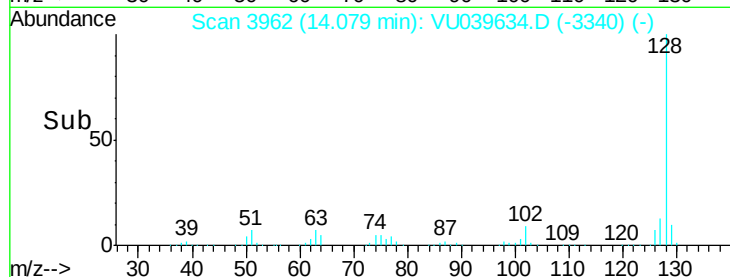
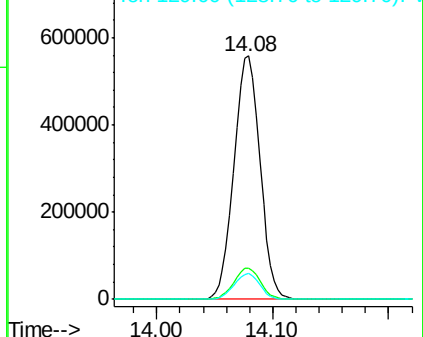
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 91.919 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039634.D

Acq: 23 Jul 2020 12:19

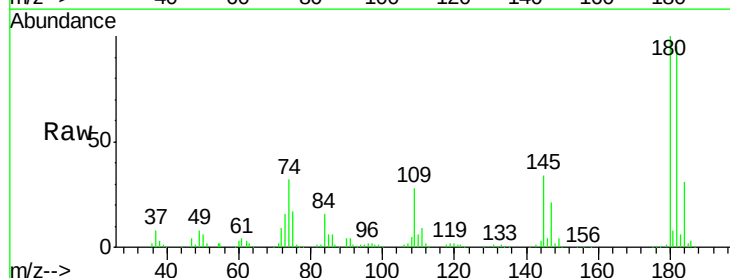
Tgt Ion:180 Resp: 260322

Ion Ratio Lower Upper

180 100

182 95.5 76.6 114.8

145 33.2 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

