

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
 Data File : VU039633.D
 Acq On : 23 Jul 2020 11:56
 Operator : SY/MD
 Sample : VSTD05032
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Quant Time: Jul 23 12:37:21 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	209315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	208660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	107804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63307	53.25	ug/L	0.00
7) Chloroethane-d5	1.92	69	75930	74.13	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	131949	51.35	ug/L	0.00
21) 2-Butanone-d5	4.65	46	146122	121.26	ug/L	0.00
24) Chloroform-d	5.09	84	144015	55.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	101876	57.98	ug/L	0.00
32) Benzene-d6	5.75	84	272392	53.39	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	88936	55.82	ug/L	0.00
41) Toluene-d8	7.91	98	258107	55.50	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	45162	56.31	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	102896	119.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	141701	58.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	109044	56.15	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	68714	42.875	ug/L 100
3) Chloromethane	1.53	50	69590	44.429	ug/L 100
5) Vinyl chloride	1.61	62	73329	44.691	ug/L 100
6) Bromomethane	1.87	94	55317	60.146	ug/L 100
8) Chloroethane	1.94	64	67576	64.371	ug/L 100
9) Trichlorofluoromethane	2.15	101	133220	55.954	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	60481	45.838	ug/L 100
12) 1,1-Dichloroethene	2.59	96	56455	43.957	ug/L 100
13) Acetone	2.66	43	96519	103.015	ug/L 100
14) Carbon disulfide	2.81	76	181203	43.541	ug/L 100
15) Methyl Acetate	2.97	43	90208	47.472	ug/L 100
16) Methylene chloride	3.06	84	66859	43.656	ug/L 100
17) trans-1,2-Dichloroethene	3.37	96	64441	45.294	ug/L 100
18) Methyl tert-butyl Ether	3.38	73	217696	47.238	ug/L 100
19) 1,1-Dichloroethane	3.89	63	129552	47.568	ug/L 100
20) cis-1,2-Dichloroethene	4.69	96	75565	47.658	ug/L 100
22) 2-Butanone	4.73	43	150351	105.188	ug/L 100
23) Bromochloromethane	5.00	128	37752	47.890	ug/L 100
25) Chloroform	5.11	83	142631	51.366	ug/L 100
27) 1,2-Dichloroethane	5.81	62	115688	50.699	ug/L 100
29) Cyclohexane	5.41	56	114924	48.669	ug/L 100
30) 1,1,1-Trichloroethane	5.34	97	125787	51.035	ug/L 100
31) Carbon tetrachloride	5.55	117	106770	51.945	ug/L 100
33) Benzene	5.79	78	289815	47.441	ug/L 100
34) Trichloroethene	6.56	95	77695	49.431	ug/L 100
35) Methylcyclohexane	6.78	83	118543	50.007	ug/L 100
37) 1,2-Dichloropropane	6.81	63	76786	48.011	ug/L 100
38) Bromodichloromethane	7.12	83	104451	50.460	ug/L 100
39) cis-1,3-Dichloropropene	7.62	75	119953	48.673	ug/L 100
40) 4-Methyl-2-pentanone	7.80	43	275320	106.936	ug/L 100

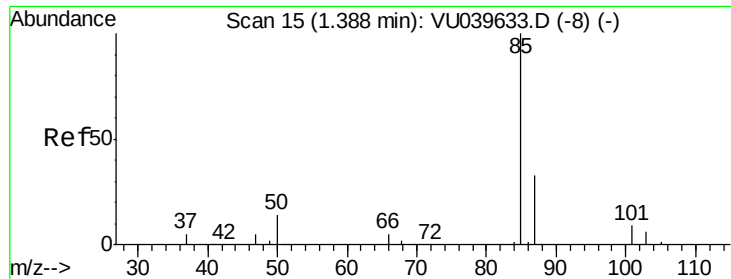
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU072320\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	319394	49.534	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	118502	49.914	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	74242	48.267	ug/L	100
46) Tetrachloroethene	8.56	164	55688	49.238	ug/L	100
48) 2-Hexanone	8.69	43	227485	106.795	ug/L	100
49) Dibromochloromethane	8.82	129	84106	52.220	ug/L	100
50) 1,2-Dibromoethane	8.93	107	82846	49.706	ug/L	100
51) Chlorobenzene	9.45	112	199048	48.202	ug/L	100
52) Ethylbenzene	9.57	91	356837	50.114	ug/L	100
53) m,p-Xylene	9.70	106	133346	49.048	ug/L	100
54) o-xylene	10.10	106	130695	49.424	ug/L	100
55) Styrene	10.11	104	229295	50.048	ug/L	100
56) Isopropylbenzene	10.48	105	351007	50.592	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	132177	49.669	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	110885	49.106	ug/L	100
61) Bromoform	10.29	173	64055	53.195	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	162769	48.998	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	163213	48.637	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	165761	49.934	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.99	75	36196	52.107	ug/L	100
67) 1,3,5-Trichlorobenzene	13.21	180	118880	49.667	ug/L	100
68) 1,2,4-trichlorobenzene	13.83	180	106964	47.845	ug/L	100
69) Naphthalene	14.08	128	339682	44.378	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	105145	47.389	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 42.875 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

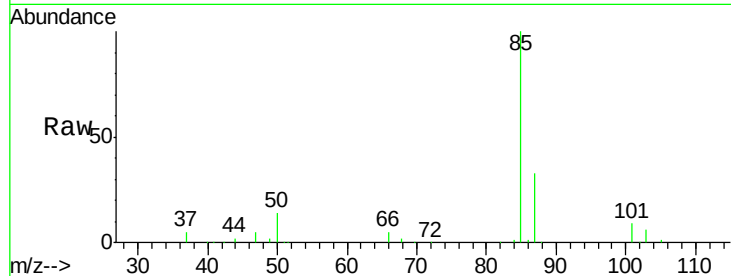
VSTD05032

Tgt Ion: 85 Resp: 68714

Ion Ratio Lower Upper

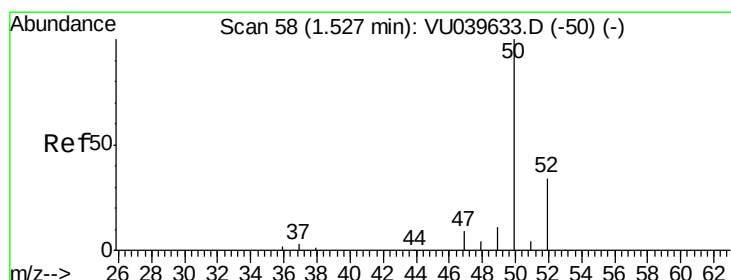
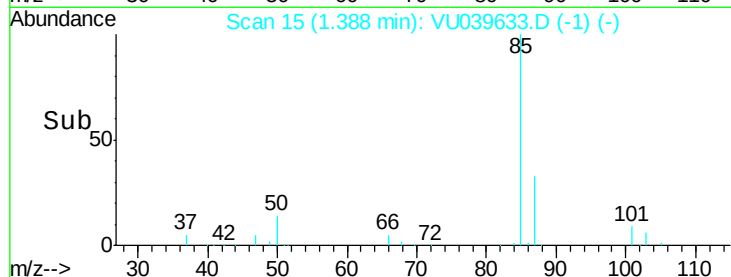
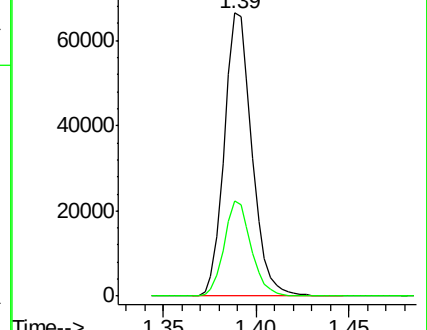
85 100

87 32.8 26.2 39.4



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

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



#3

Chloromethane

Concen: 44.429 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039633.D

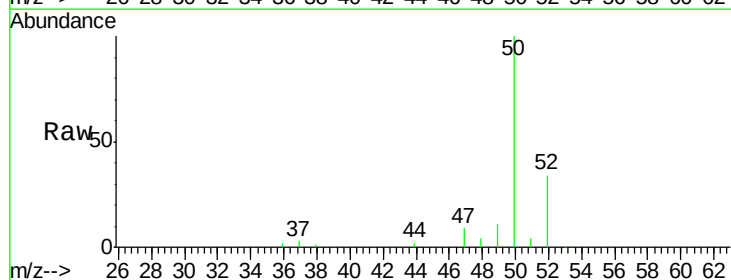
Acq: 23 Jul 2020 11:56

Tgt Ion: 50 Resp: 69590

Ion Ratio Lower Upper

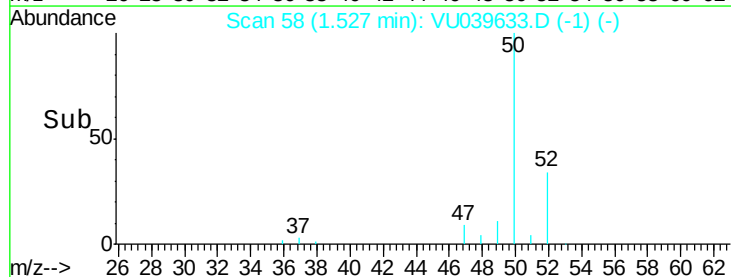
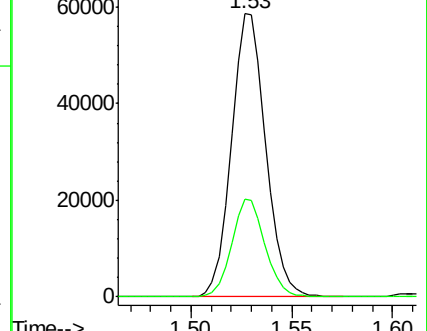
50 100

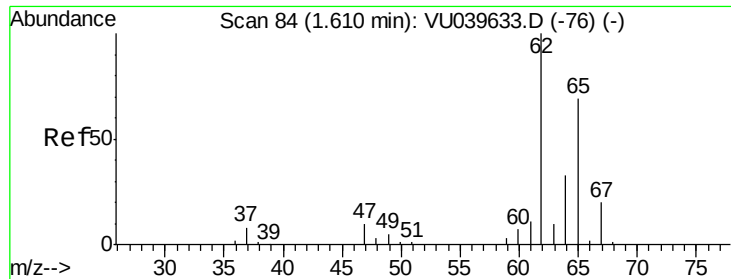
52 34.3 24.0 44.6



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

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





#5

Vinyl chloride

Concen: 44.691 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

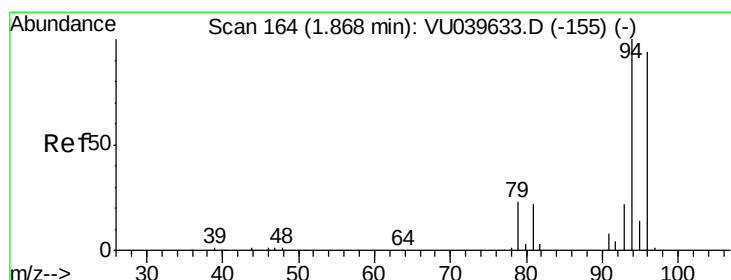
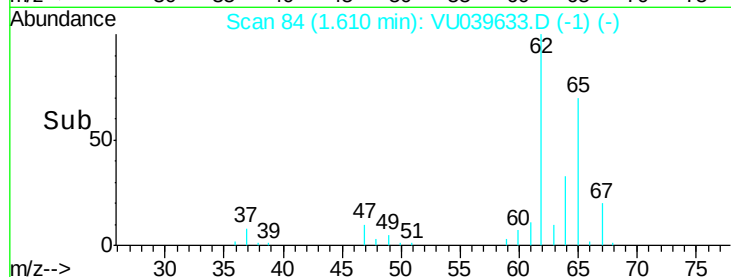
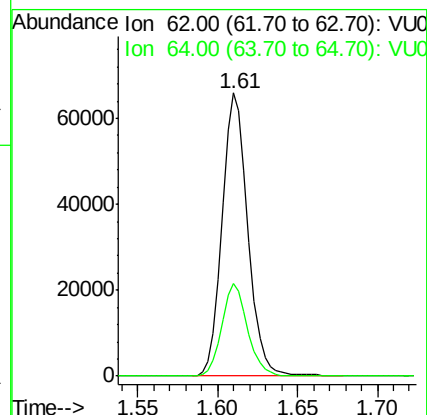
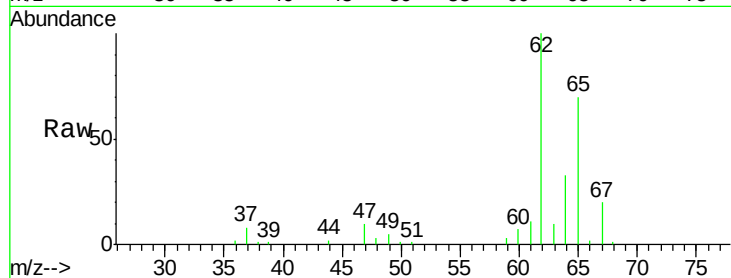
VSTD05032

Tgt Ion: 62 Resp: 73329

Ion Ratio Lower Upper

62 100

64 32.6 22.8 42.4



#6

Bromomethane

Concen: 60.146 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039633.D

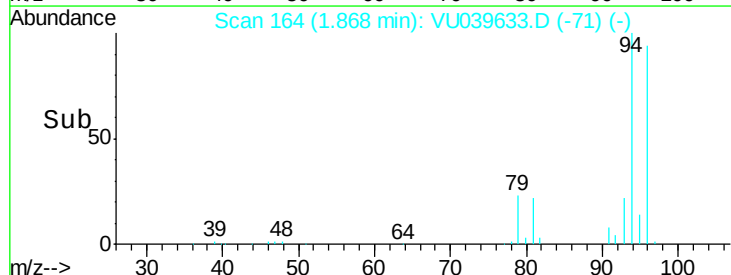
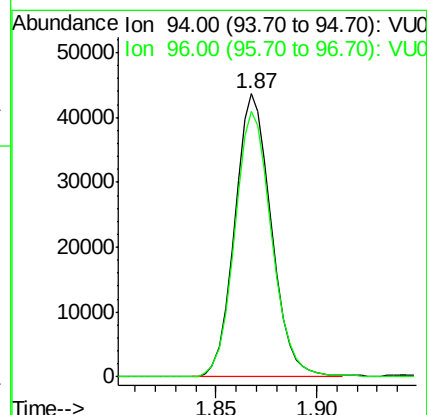
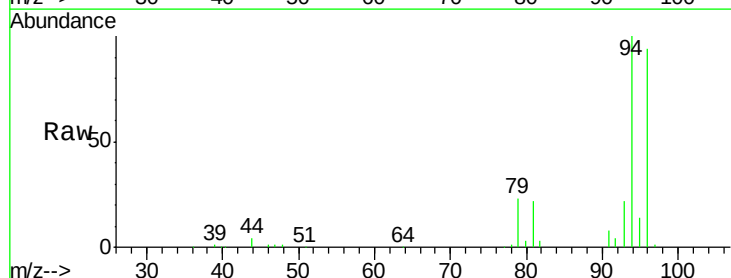
Acq: 23 Jul 2020 11:56

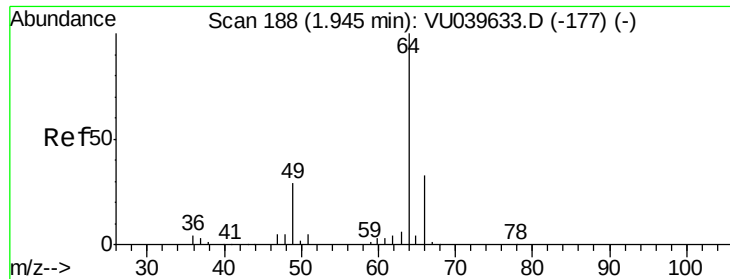
Tgt Ion: 94 Resp: 55317

Ion Ratio Lower Upper

94 100

96 93.9 65.7 122.1

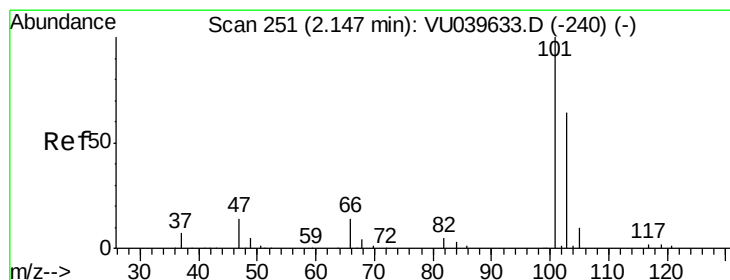
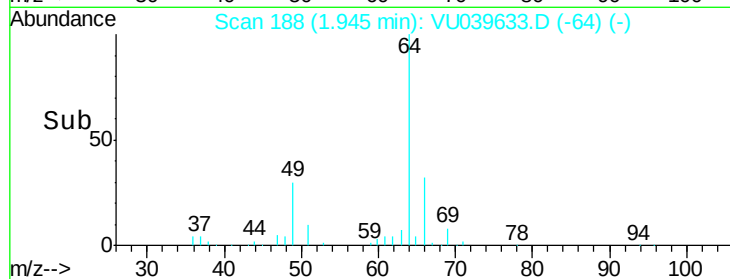
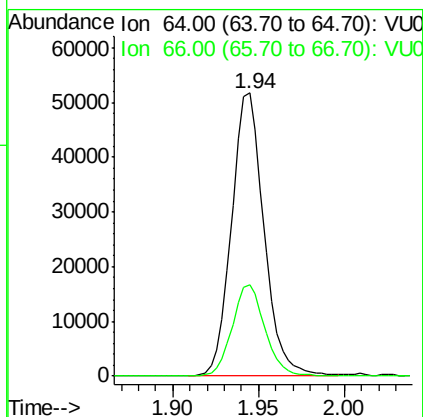
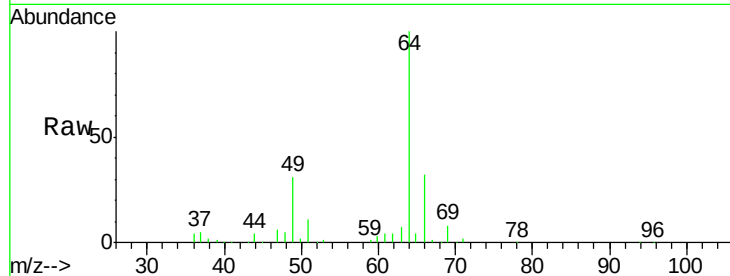




#8
Chloroethane
Concen: 64.371 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

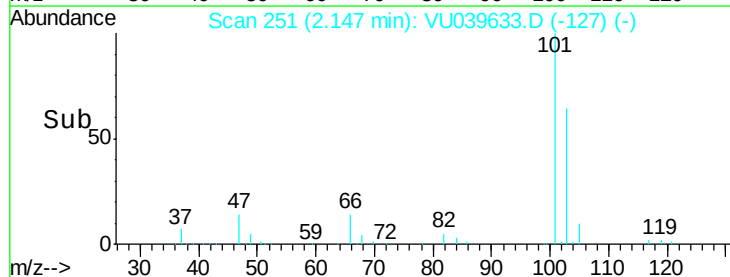
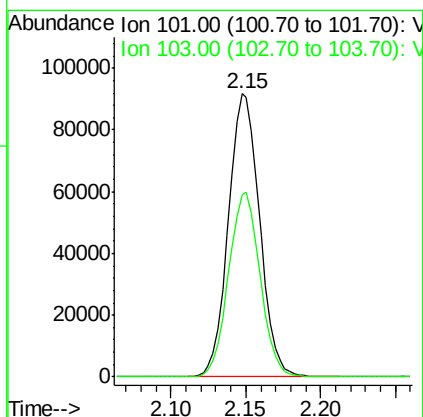
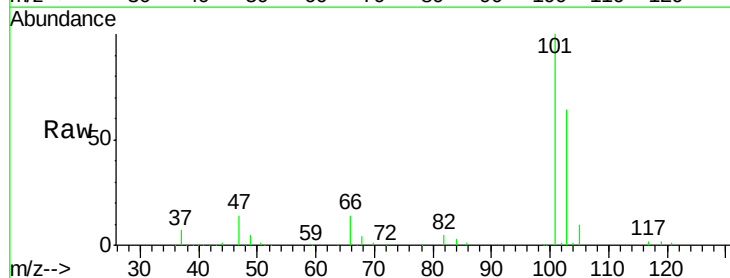
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

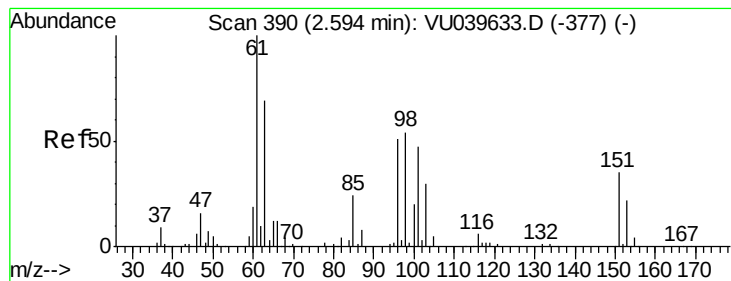
Tgt Ion: 64 Resp: 67576
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 55.954 ug/L
RT: 2.15 min Scan# 251
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 101 Resp: 133220
Ion Ratio Lower Upper
101 100
103 66.0 52.8 79.2





#10

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

Concen: 45.838 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

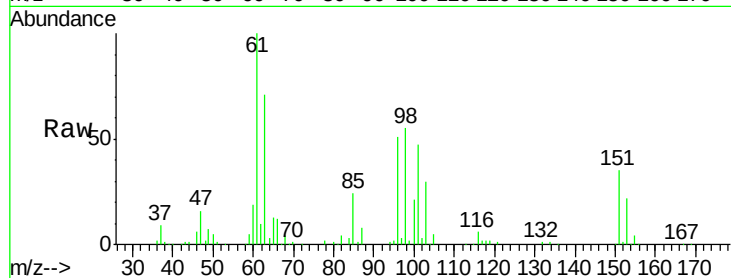
Tgt Ion: 101 Resp: 60481

Ion Ratio Lower Upper

101 100

85 49.6 39.7 59.5

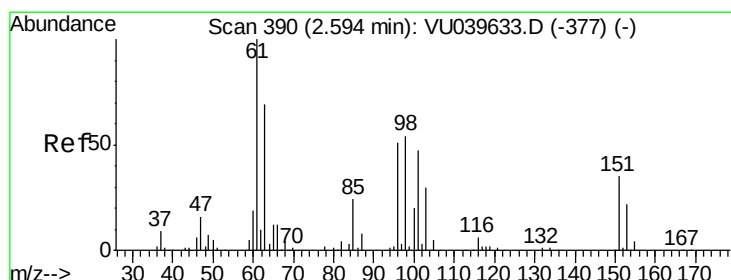
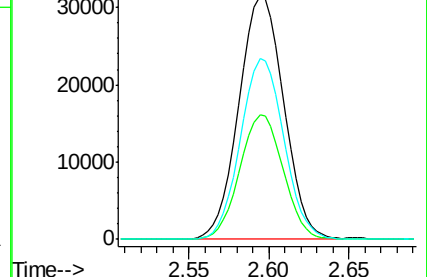
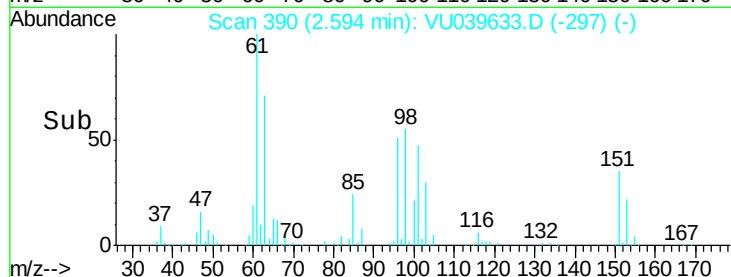
151 71.8 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 43.957 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

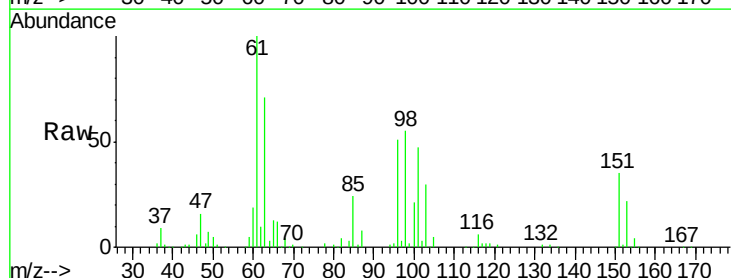
Tgt Ion: 96 Resp: 56455

Ion Ratio Lower Upper

96 100

61 195.1 136.6 253.6

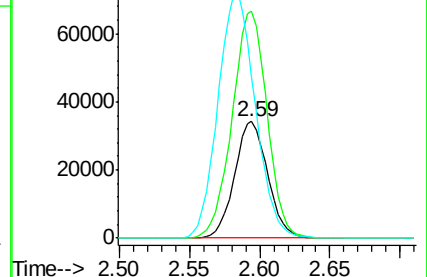
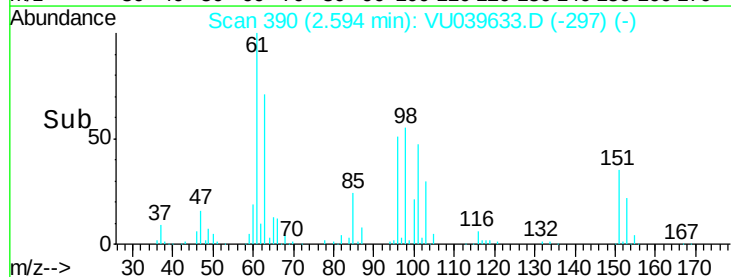
63 138.9 97.2 180.6

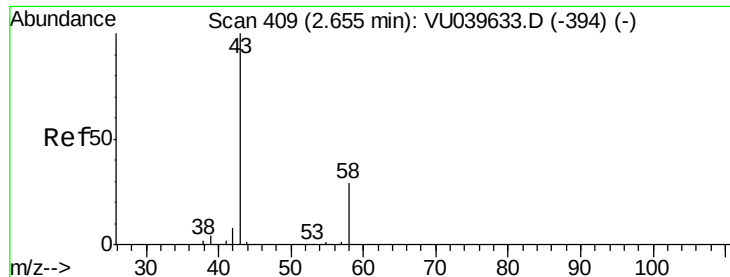


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 103.015 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

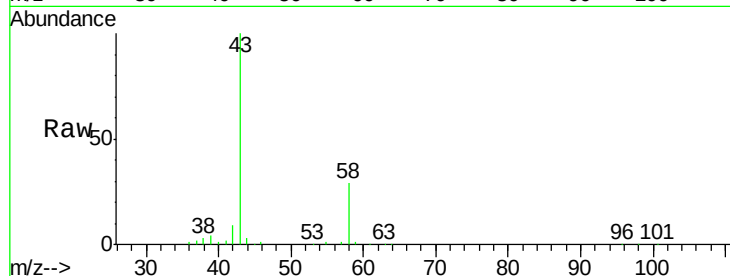
VSTD05032

Tgt Ion: 43 Resp: 96519

Ion Ratio Lower Upper

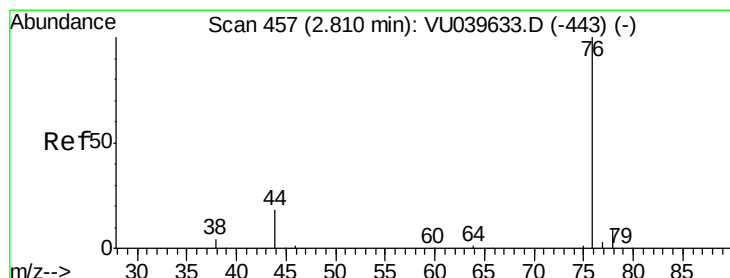
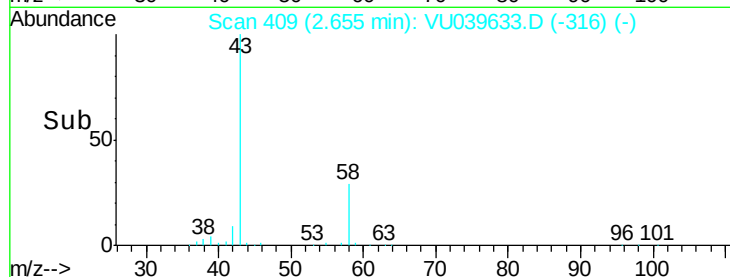
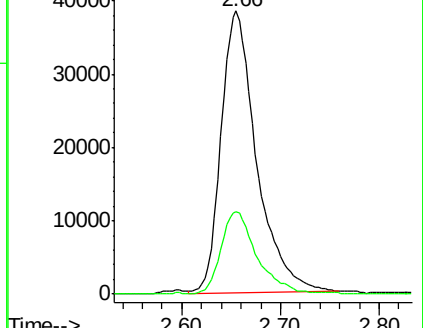
43 100

58 29.7 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: 43.541 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039633.D

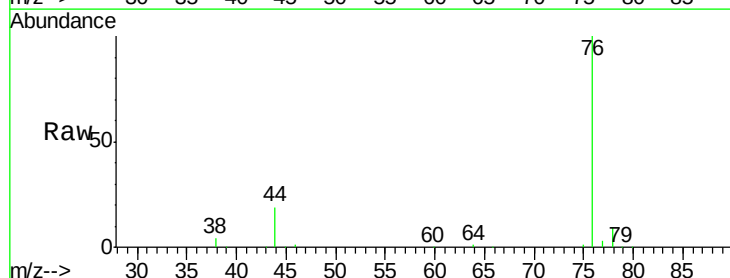
Acq: 23 Jul 2020 11:56

Tgt Ion: 76 Resp: 181203

Ion Ratio Lower Upper

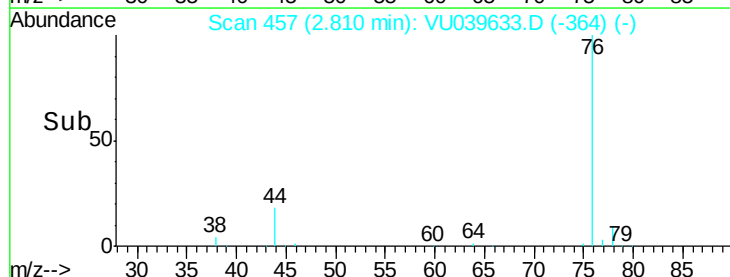
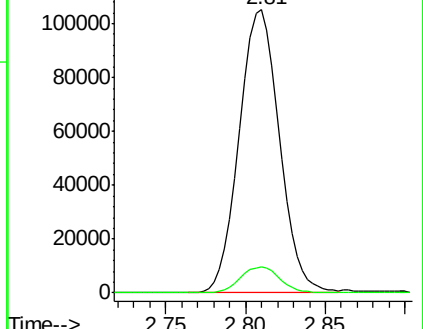
76 100

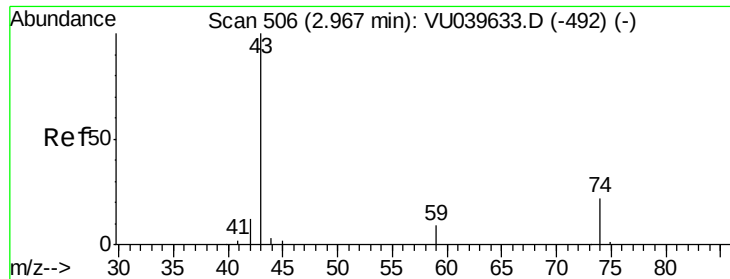
78 9.1 7.3 10.9



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

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

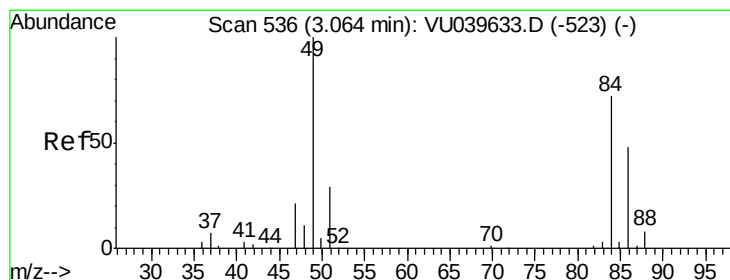
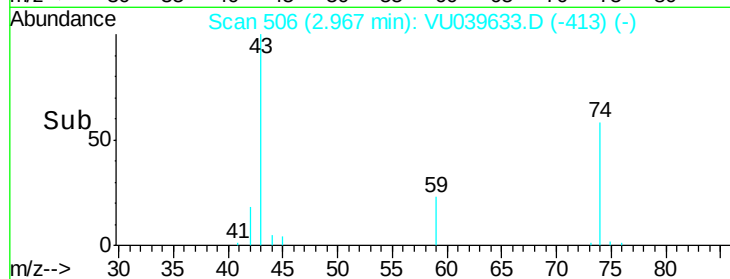
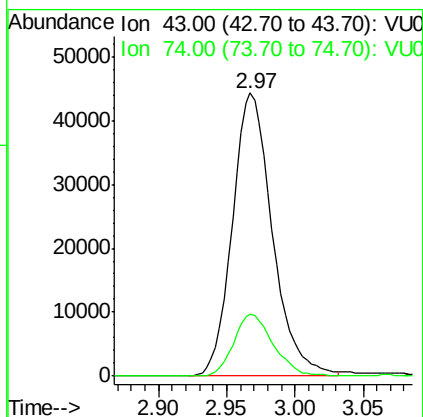
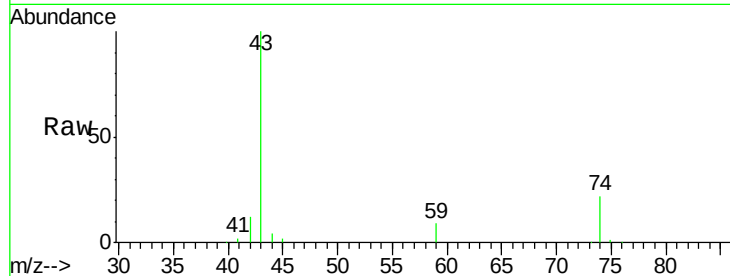




#15
Methyl Acetate
Concen: 47.472 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

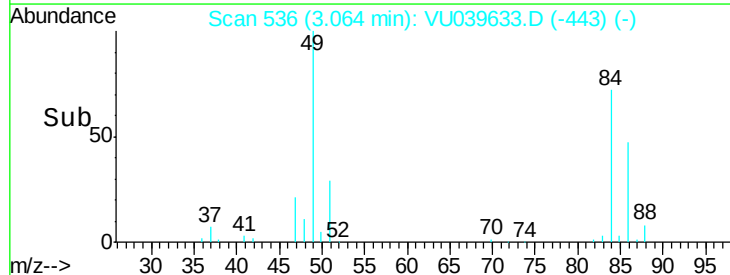
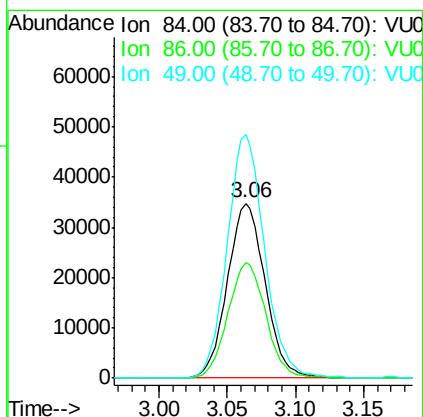
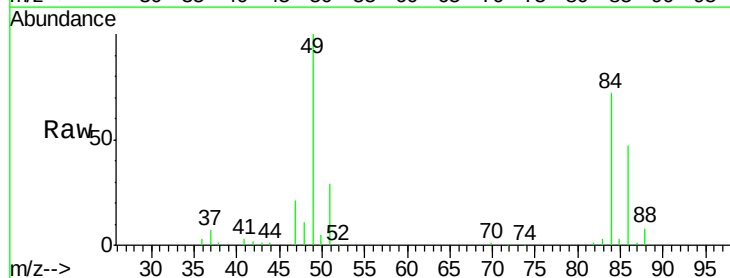
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

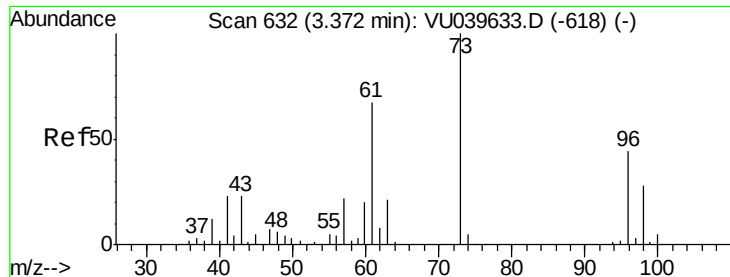
Tgt Ion: 43 Resp: 90208
Ion Ratio Lower Upper
43 100
74 21.7 17.4 26.0



#16
Methylene chloride
Concen: 43.656 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 84 Resp: 66859
Ion Ratio Lower Upper
84 100
86 66.0 46.2 85.8
49 139.0 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 45.294 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

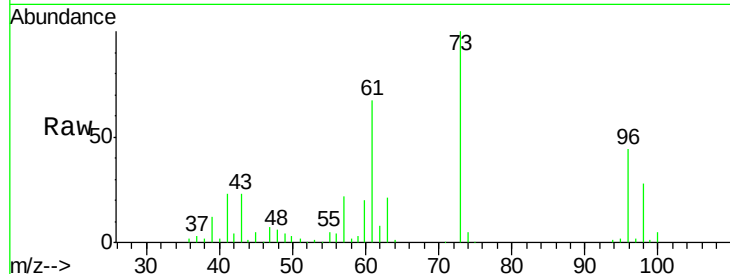
Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

Tgt Ion: 96 Resp: 64441

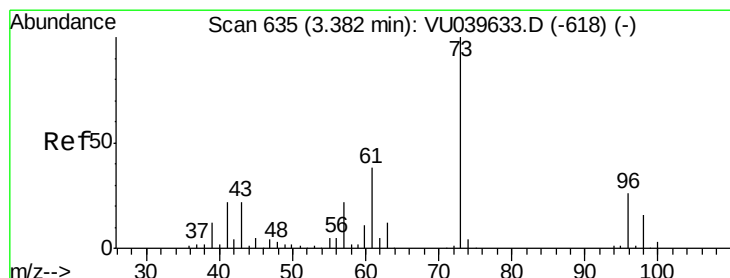
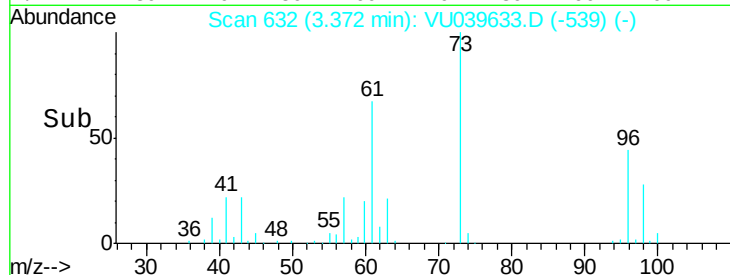
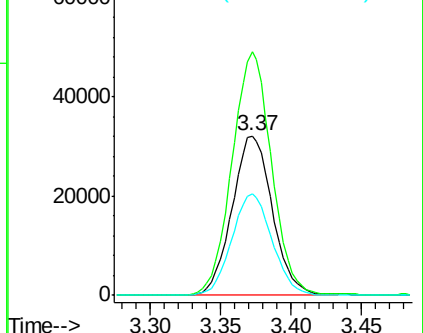
Ion	Ratio	Lower	Upper
96	100		
61	152.4	106.7	198.1
98	63.3	44.3	82.3



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: 47.238 ug/L

RT: 3.38 min Scan# 635

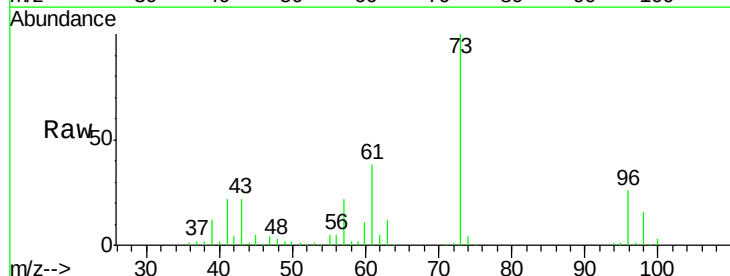
Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Tgt Ion: 73 Resp: 217696

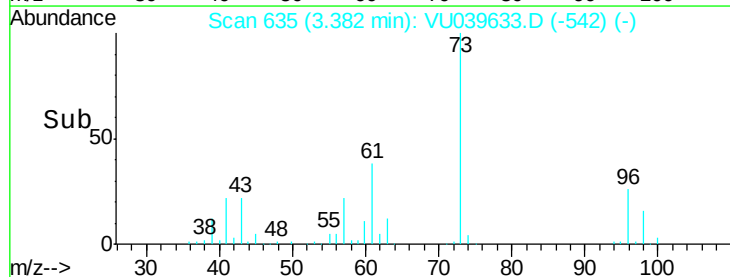
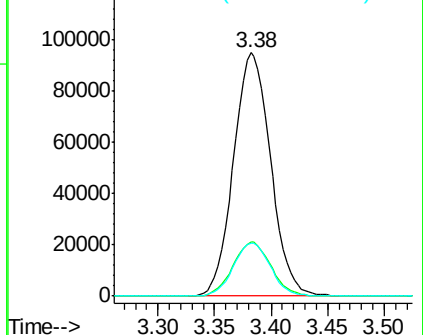
Ion	Ratio	Lower	Upper
73	100		
43	22.7	18.2	27.2
57	21.8	17.4	26.2

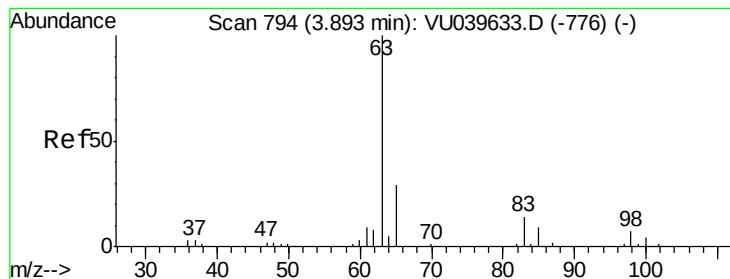


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 47.568 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

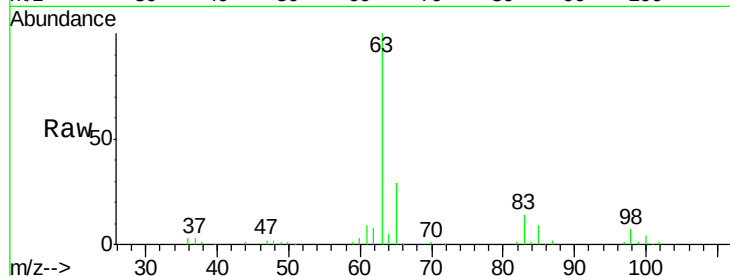
Tgt Ion: 63 Resp: 129552

Ion Ratio Lower Upper

63 100

65 29.2 20.4 38.0

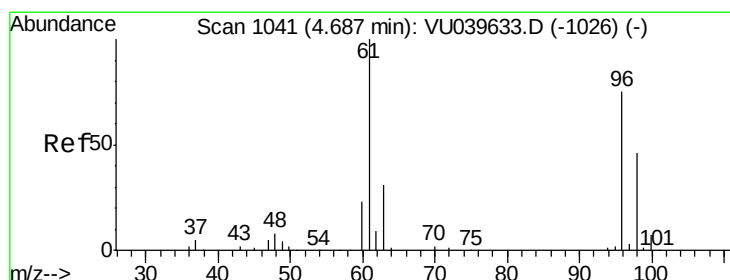
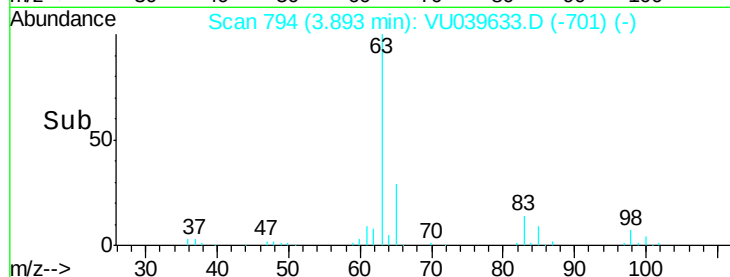
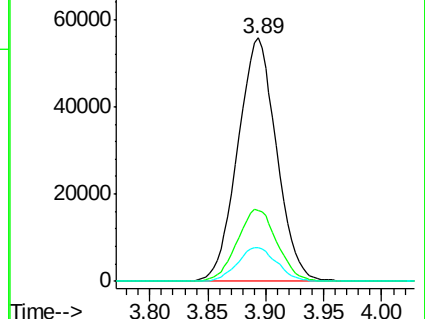
83 13.9 9.7 18.1



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) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.658 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

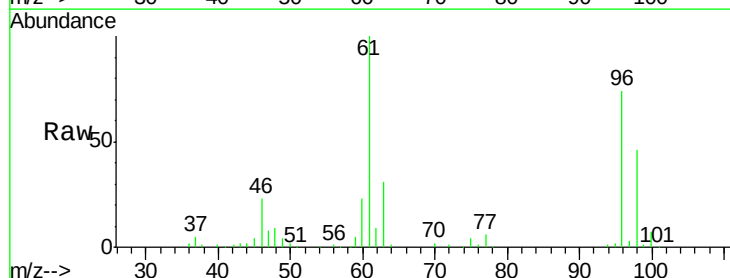
Tgt Ion: 96 Resp: 75565

Ion Ratio Lower Upper

96 100

61 134.3 94.0 174.6

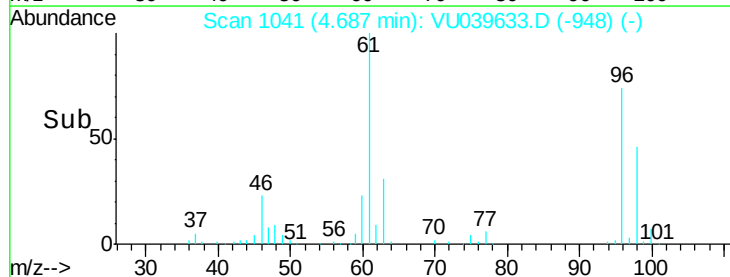
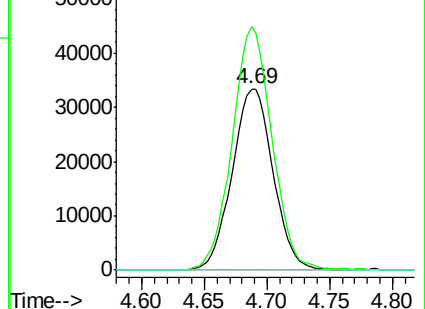
68 0.0 0.0 0.0

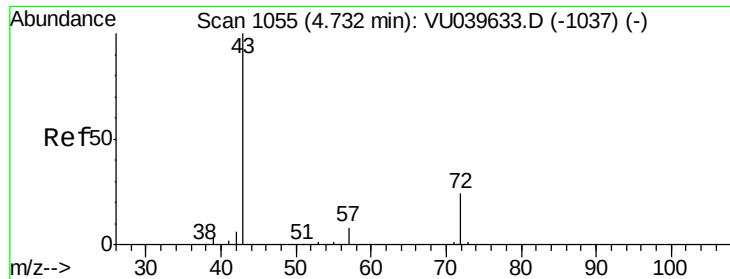


Abundance Ion 96.00 (95.70 to 96.70): VU039633.D (-1026) (-)

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

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





#22

2-Butanone

Concen: 105.188 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

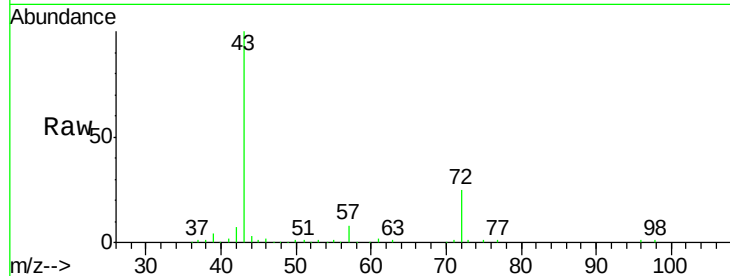
VSTD05032

Tgt Ion: 43 Resp: 150351

Ion Ratio Lower Upper

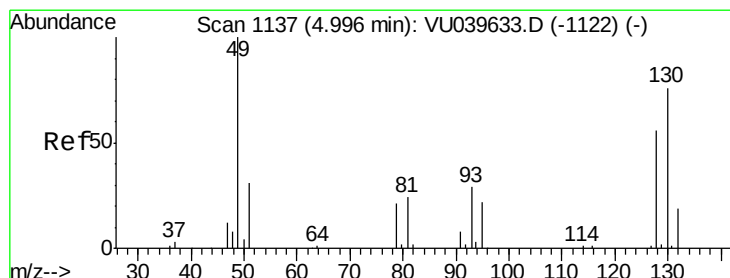
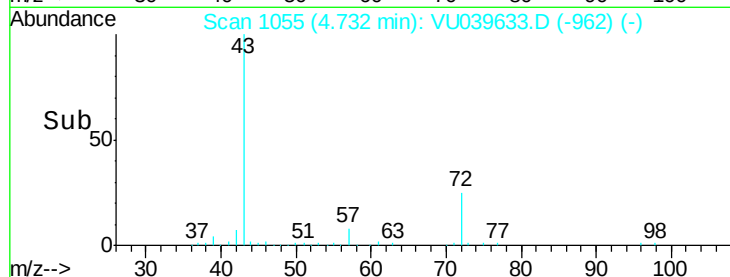
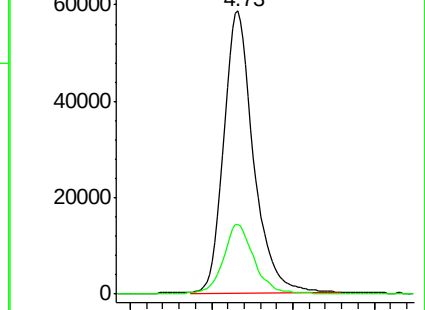
43 100

72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VU039633.D (-1037) (-)

Ion 72.00 (71.70 to 72.70): VU039633.D (-1037) (-)



#23

Bromochloromethane

Concen: 47.890 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Tgt Ion: 128 Resp: 37752

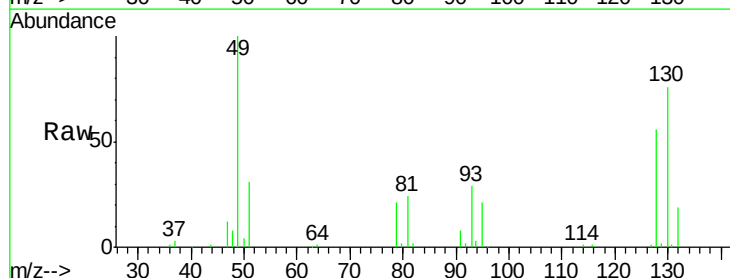
Ion Ratio Lower Upper

128 100

49 177.9 124.5 231.3

130 134.8 94.4 175.2

51 54.4 43.5 65.3

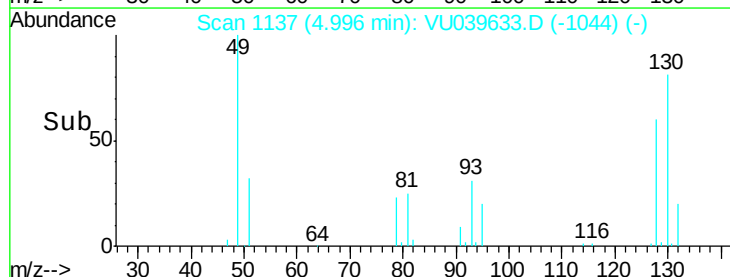
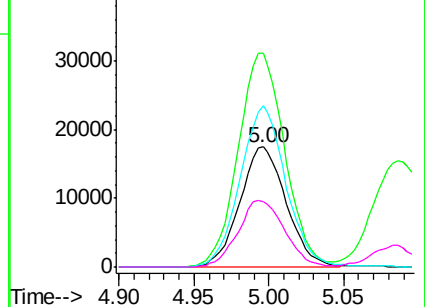


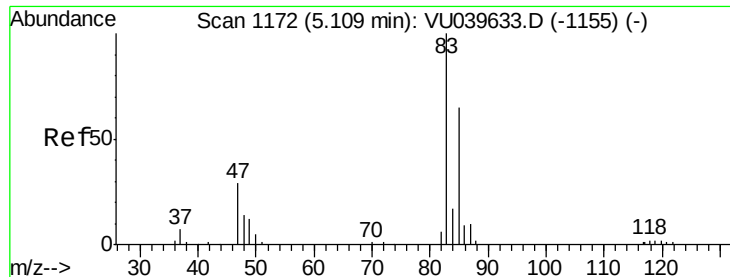
Abundance Ion 128.00 (127.70 to 128.70): VU039633.D (-1122) (-)

Ion 49.00 (48.70 to 49.70): VU039633.D (-1122) (-)

Ion 130.00 (129.70 to 130.70): VU039633.D (-1122) (-)

Ion 51.00 (50.70 to 51.70): VU039633.D (-1122) (-)

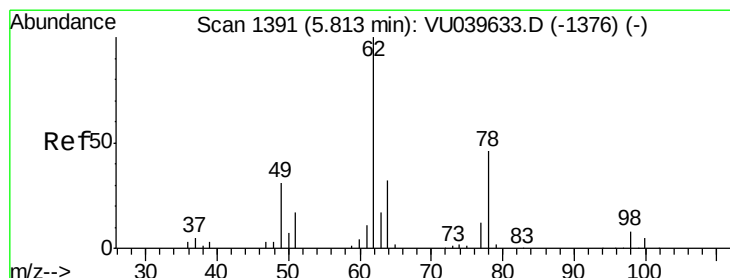
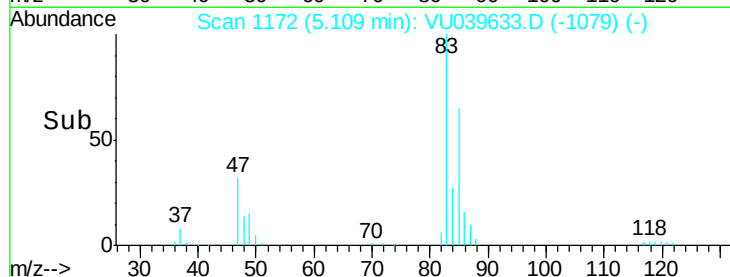
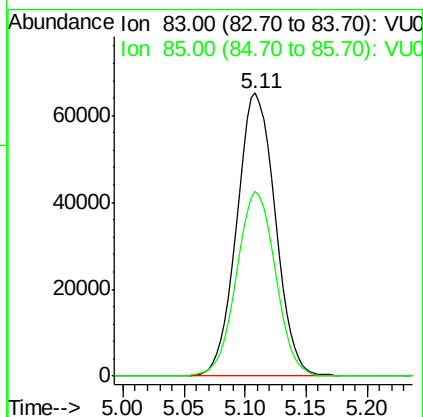
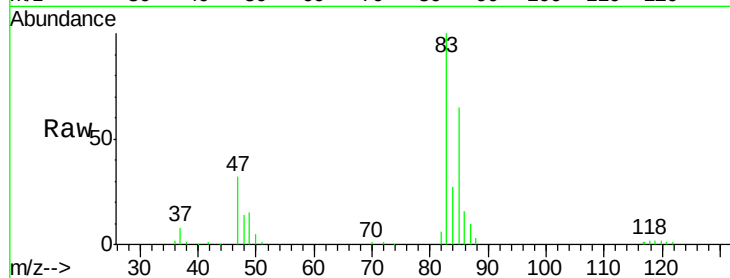




#25
Chloroform
Concen: 51.366 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

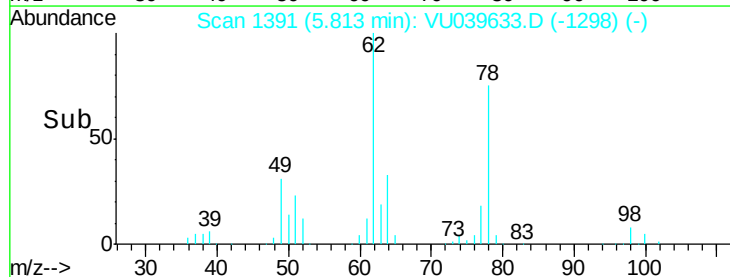
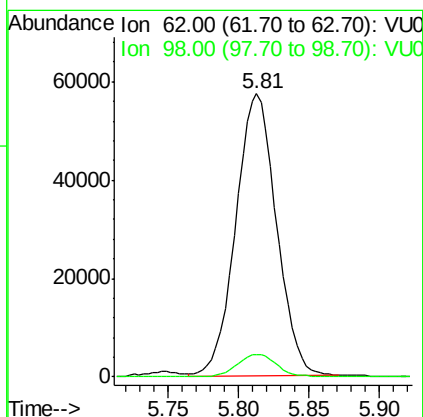
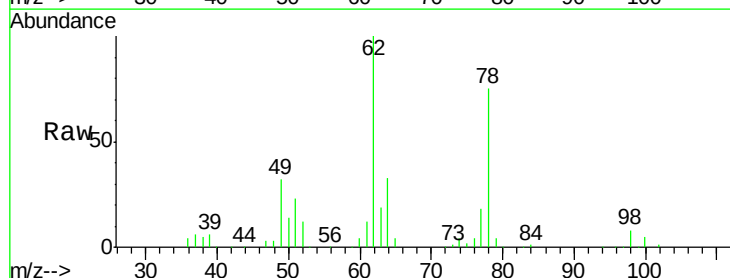
Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

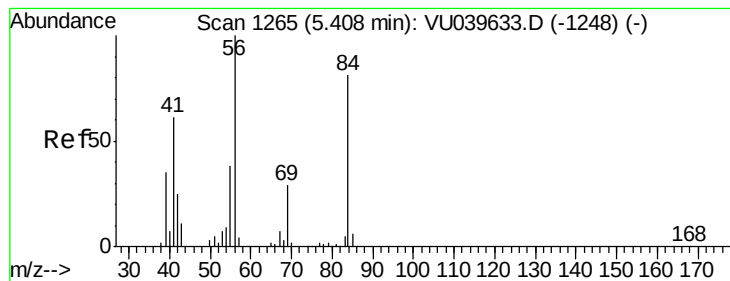
Tgt Ion: 83 Resp: 142631
Ion Ratio Lower Upper
83 100
85 65.1 45.6 84.6



#27
1,2-Dichloroethane
Concen: 50.699 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 62 Resp: 115688
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6





#29

Cyclohexane

Concen: 48.669 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

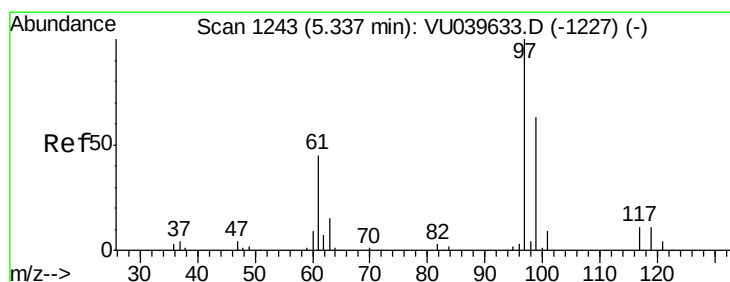
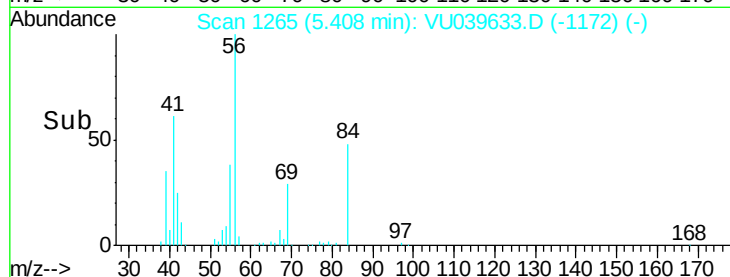
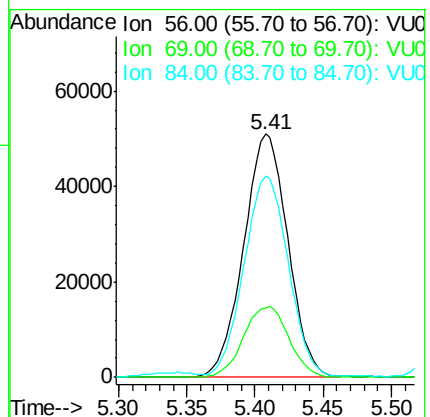
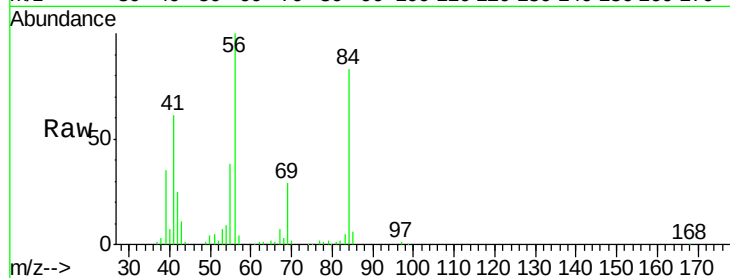
Tgt Ion: 56 Resp: 114924

Ion Ratio Lower Upper

56 100

69 29.9 23.9 35.9

84 82.3 65.8 98.8



#30

1,1,1-Trichloroethane

Concen: 51.035 ug/L

RT: 5.34 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

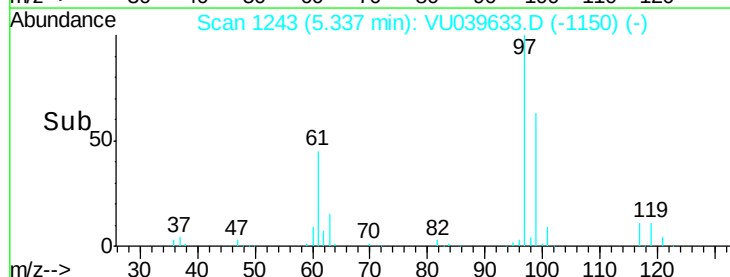
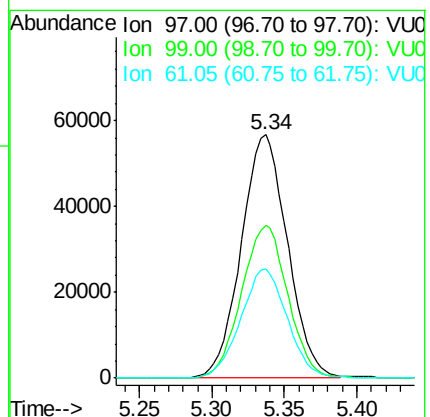
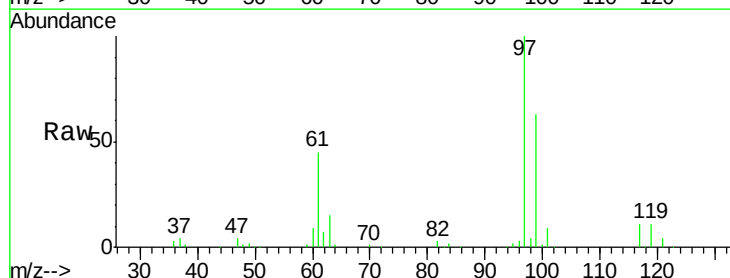
Tgt Ion: 97 Resp: 125787

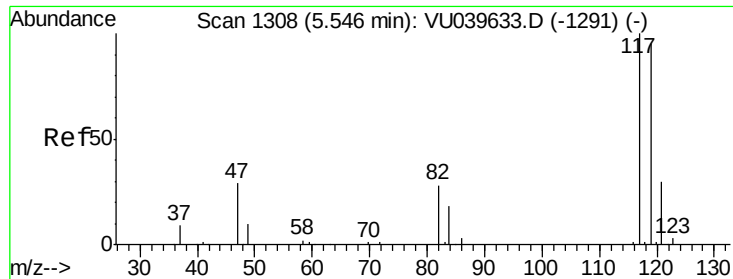
Ion Ratio Lower Upper

97 100

99 62.9 50.3 75.5

61 45.0 36.0 54.0





#31

Carbon tetrachloride

Concen: 51.945 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

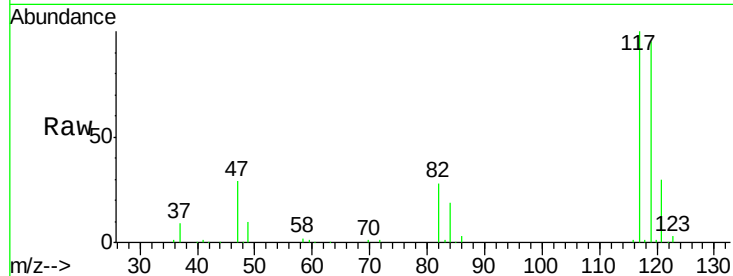
VSTD05032

Tgt Ion:117 Resp: 106770

Ion Ratio Lower Upper

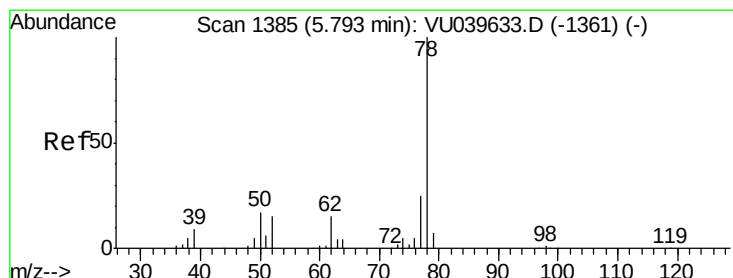
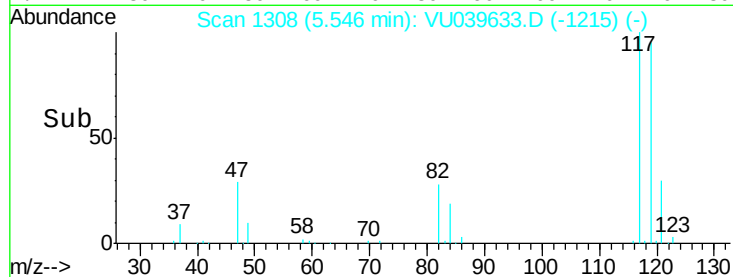
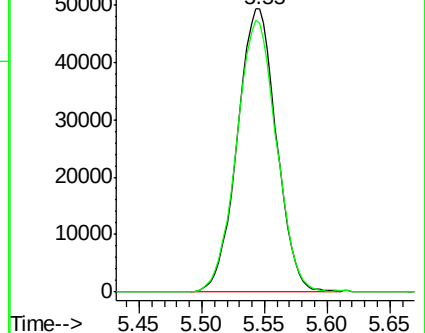
117 100

119 97.8 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: 47.441 ug/L

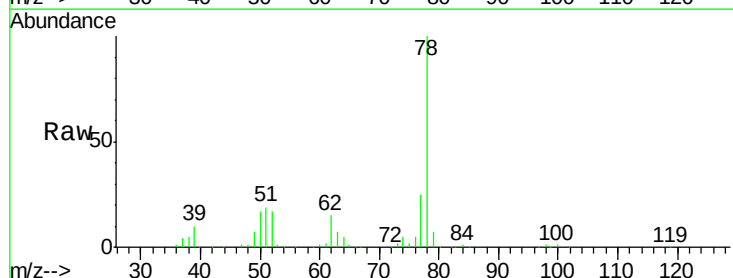
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

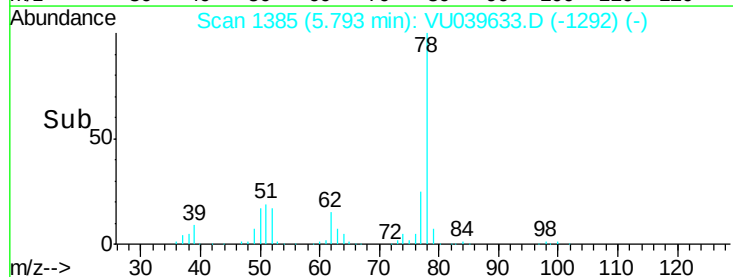
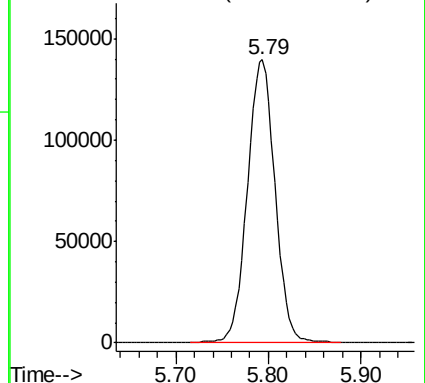
Lab File: VU039633.D

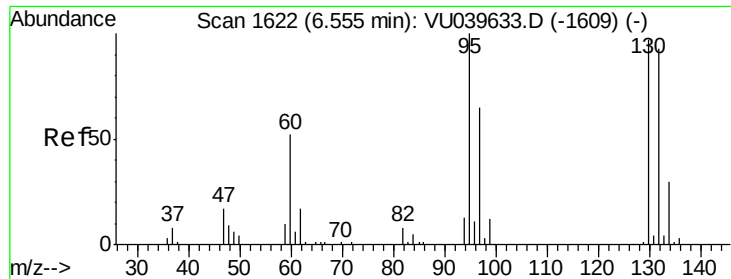
Acq: 23 Jul 2020 11:56

Tgt Ion: 78 Resp: 289815



Abundance Ion 78.00 (77.70 to 78.70): VU0

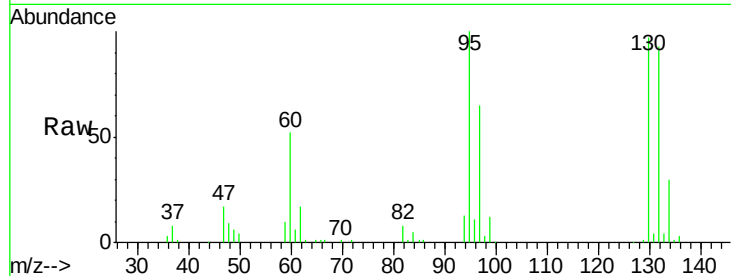




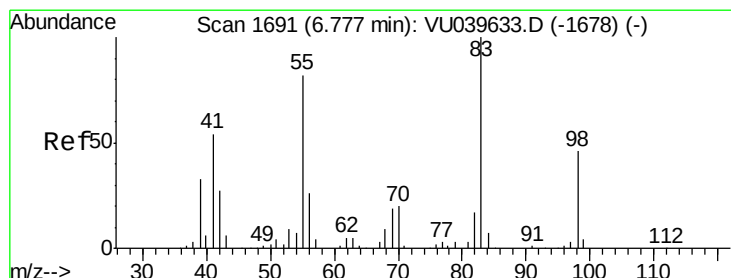
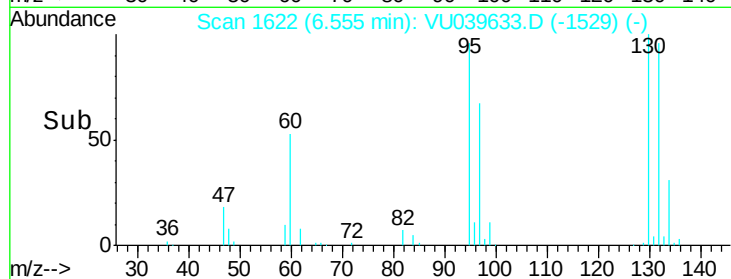
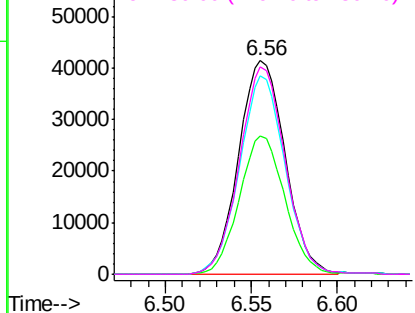
#34
 Trichloroethene
 Concen: 49.431 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

Tgt Ion: 95 Resp: 77695
 Ion Ratio Lower Upper
 95 100
 97 65.0 45.5 84.5
 132 92.8 65.0 120.6
 130 97.0 67.9 126.1

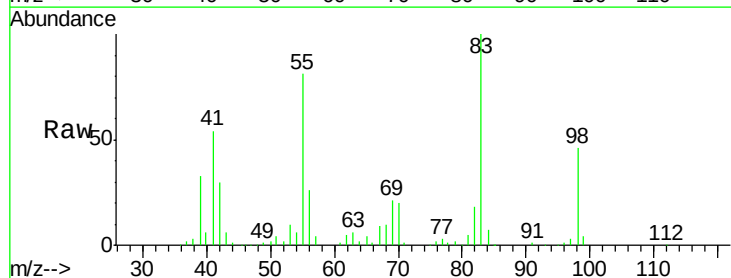


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

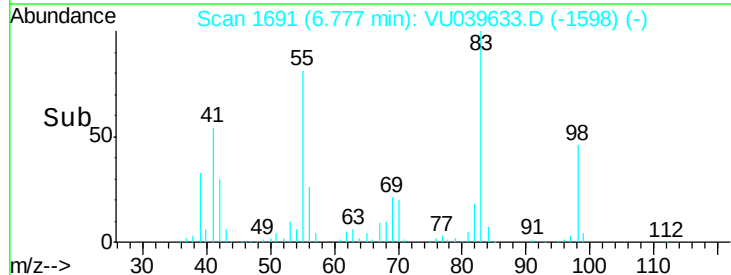
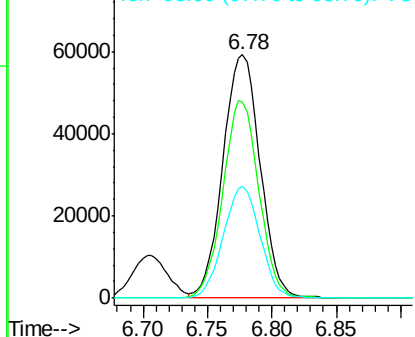


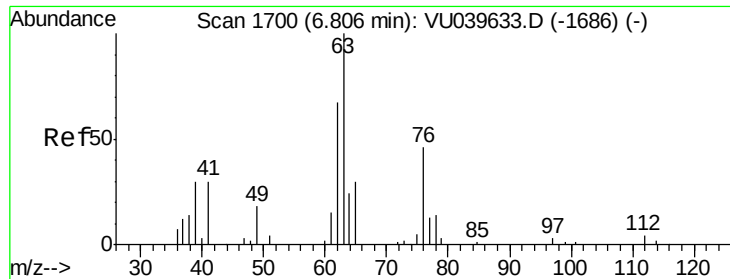
#35
 Methylcyclohexane
 Concen: 50.007 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 83 Resp: 118543
 Ion Ratio Lower Upper
 83 100
 55 78.6 62.9 94.3
 98 45.4 36.3 54.5



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

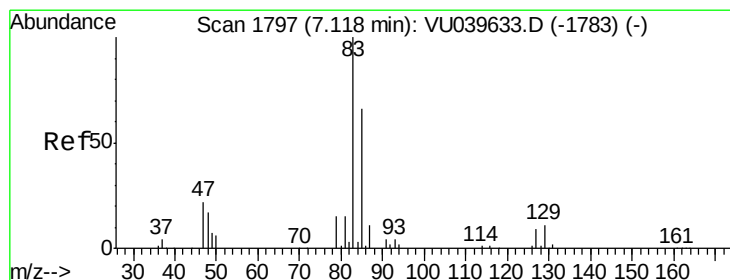
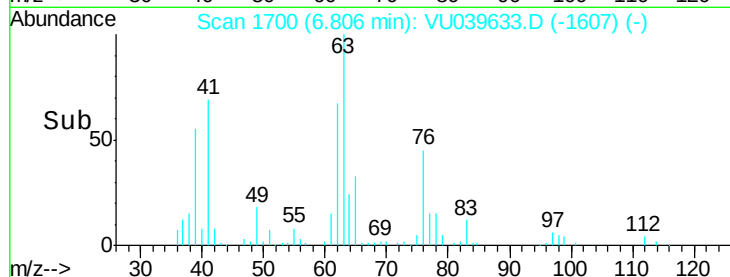
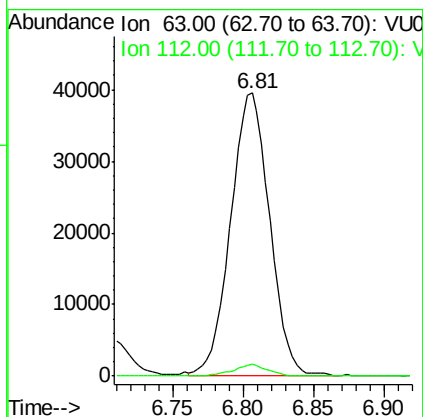
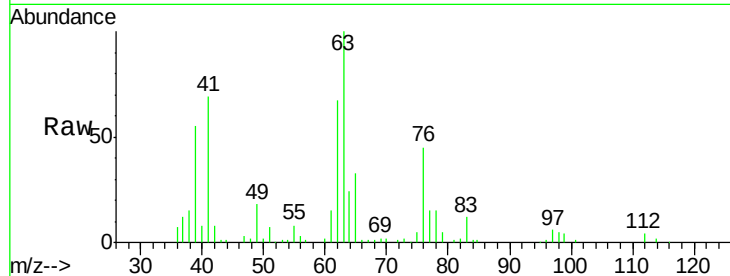




#37
 1,2-Dichloropropane
 Concen: 48.011 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

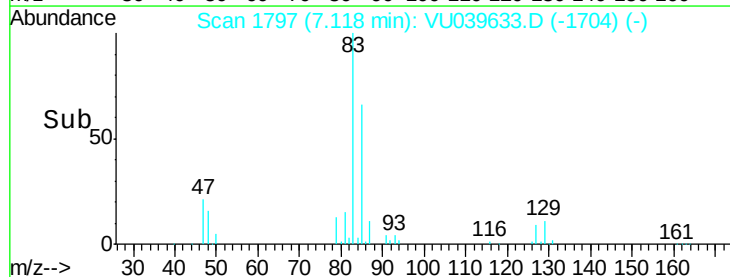
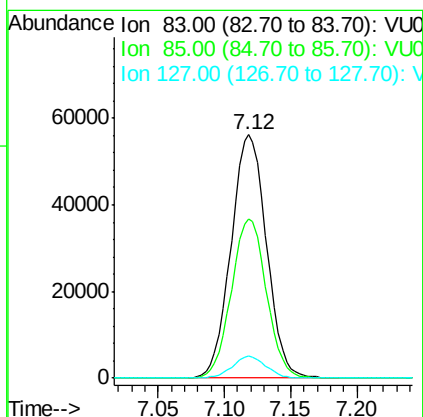
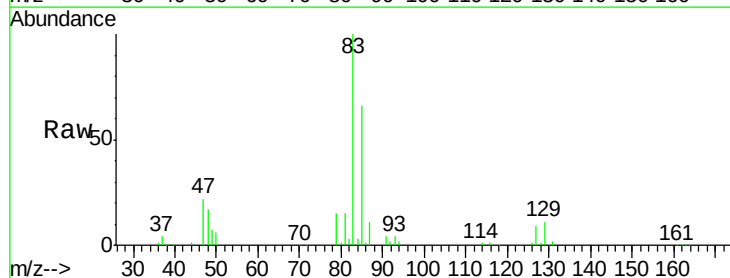
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

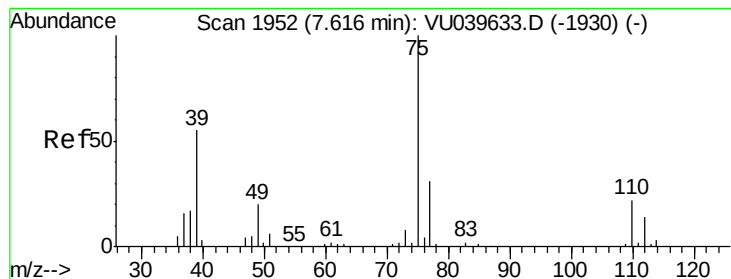
Tgt Ion: 63 Resp: 76786
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.0 4.4



#38
 Bromodichloromethane
 Concen: 50.460 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 83 Resp: 104451
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.9 85.3
 127 9.3 7.4 11.2



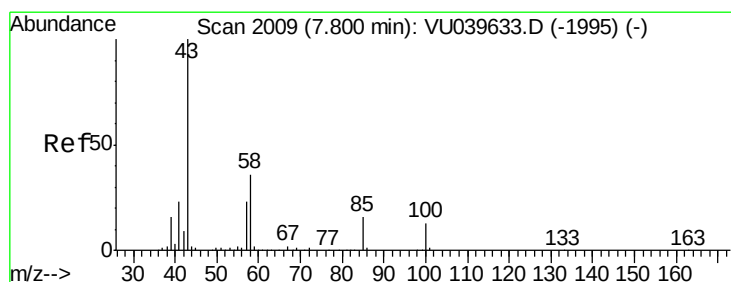
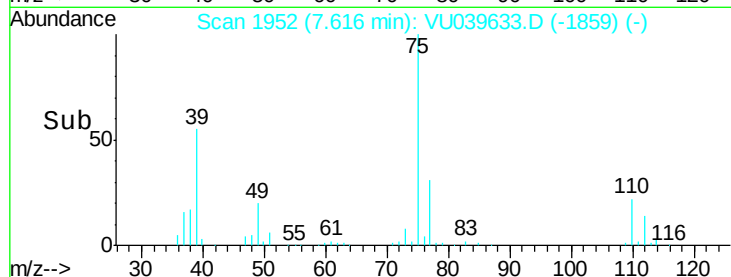
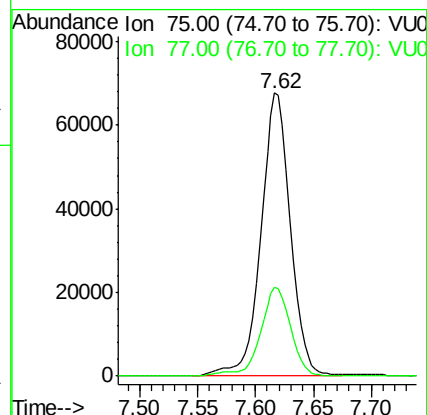
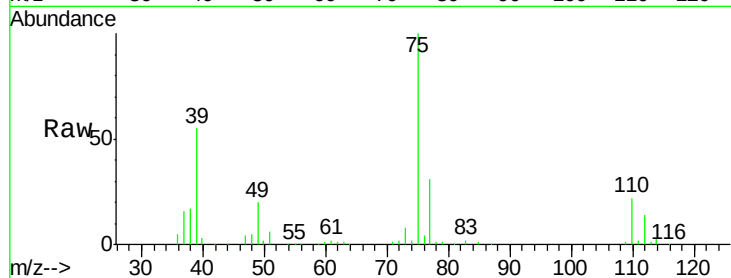


#39

cis-1,3-Dichloropropene
Concen: 48.673 ug/L
RT: 7.62 min Scan# 1952
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_U
ClientSampleId :
VSTD05032

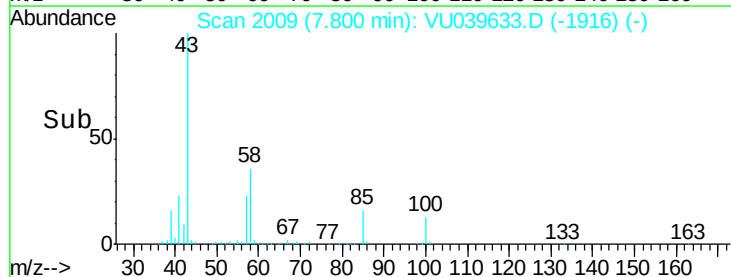
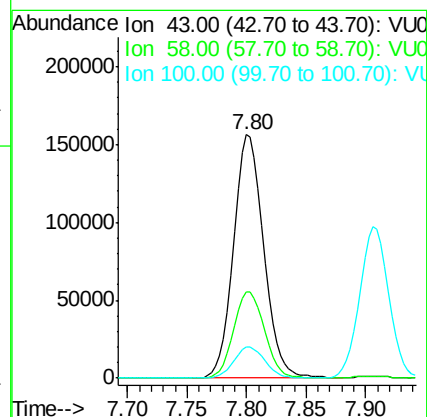
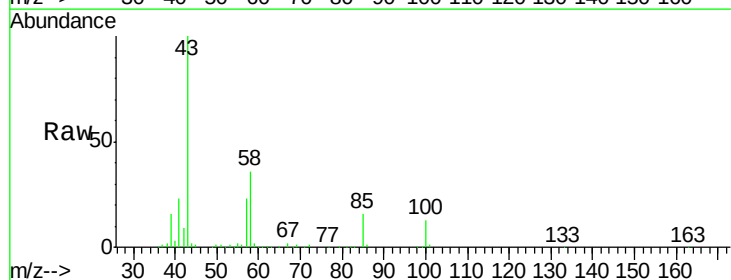
Tgt Ion: 75 Resp: 119953
Ion Ratio Lower Upper
75 100
77 31.2 21.8 40.6

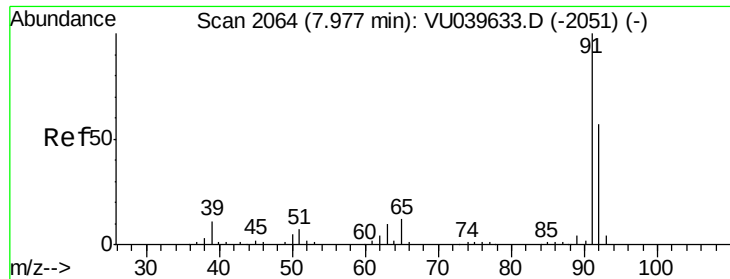


#40

4-Methyl-2-pentanone
Concen: 106.936 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU039633.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 43 Resp: 275320
Ion Ratio Lower Upper
43 100
58 36.4 29.1 43.7
100 13.3 10.6 16.0





#42

Toluene

Concen: 49.534 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

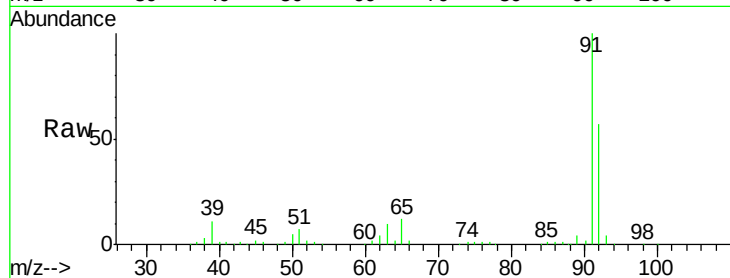
VSTD05032

Tgt Ion: 91 Resp: 319394

Ion Ratio Lower Upper

91 100

92 57.3 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

200000

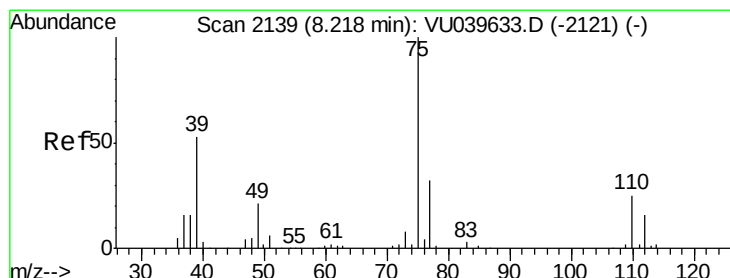
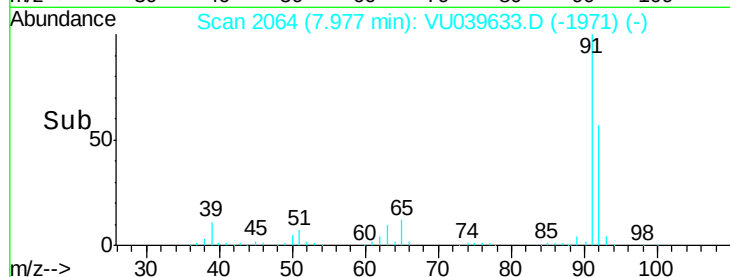
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.914 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039633.D

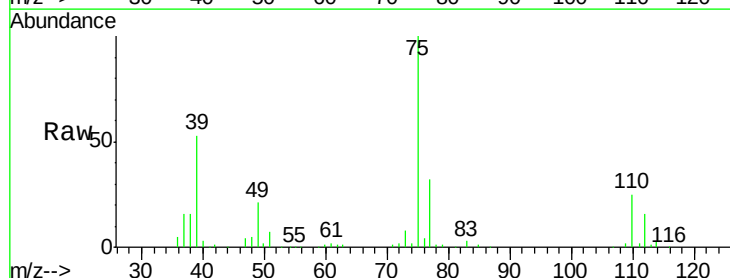
Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 118502

Ion Ratio Lower Upper

75 100

77 32.4 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

80000

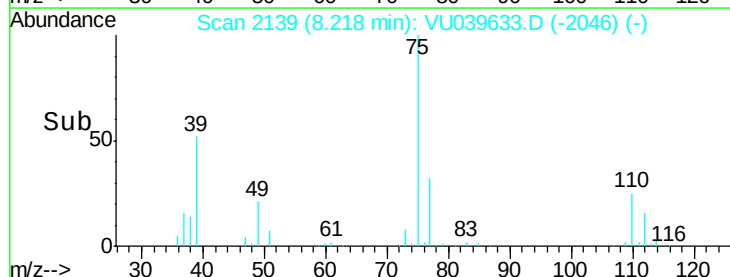
60000

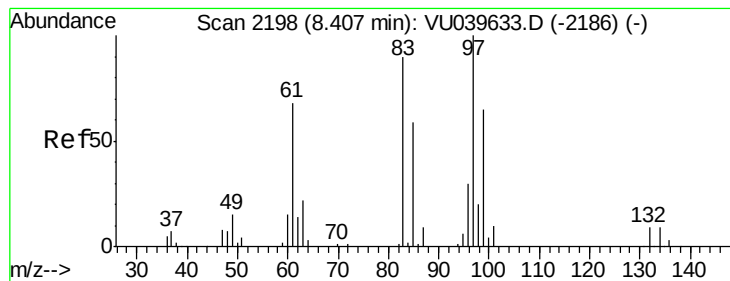
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.267 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 97 Resp: 74242

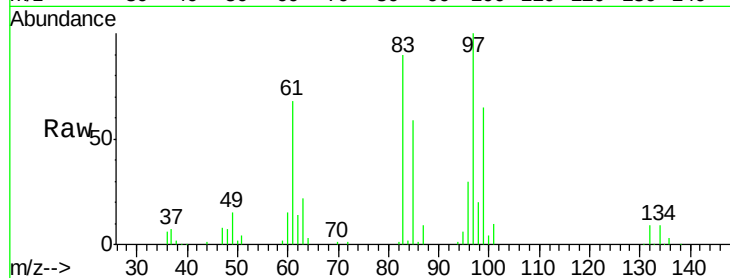
Ion Ratio Lower Upper

97 100

99 64.5 45.1 83.9

83 89.6 62.7 116.5

85 58.6 41.0 76.2

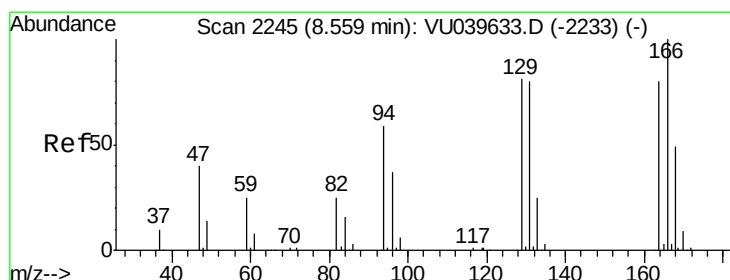
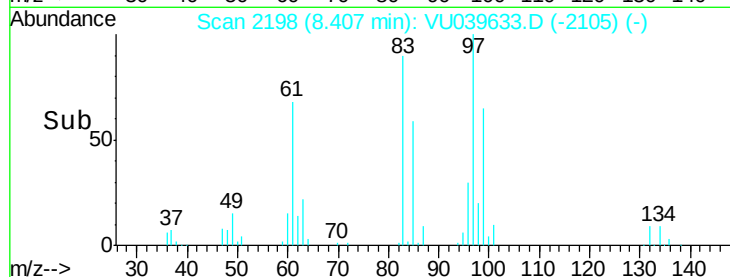
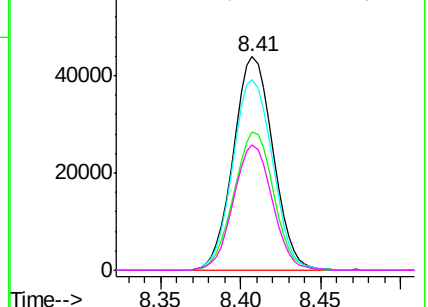


Abundance Ion 97.00 (96.70 to 97.70): VU039633.D (-2198) (-)

Ion 99.00 (98.70 to 99.70): VU039633.D (-2198) (-)

Ion 83.00 (82.70 to 83.70): VU039633.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU039633.D (-2198) (-)



#46

Tetrachloroethene

Concen: 49.238 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Tgt Ion: 164 Resp: 55688

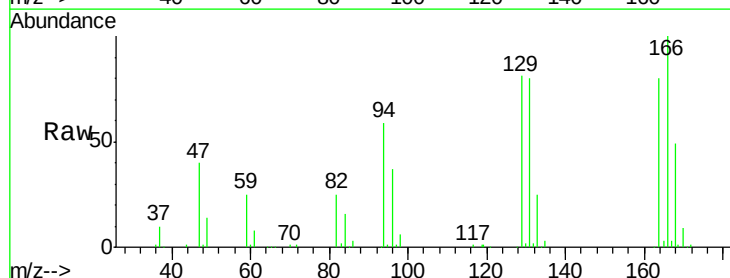
Ion Ratio Lower Upper

164 100

129 101.6 71.1 132.1

131 100.4 70.3 130.5

166 125.4 87.8 163.0

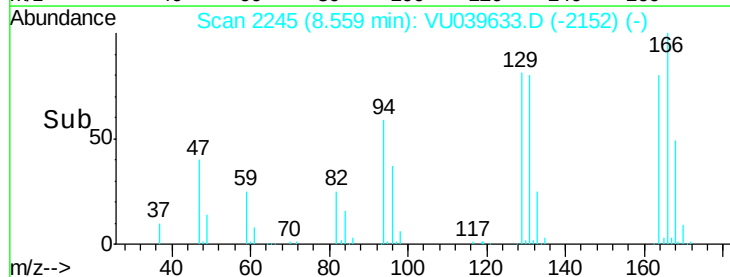
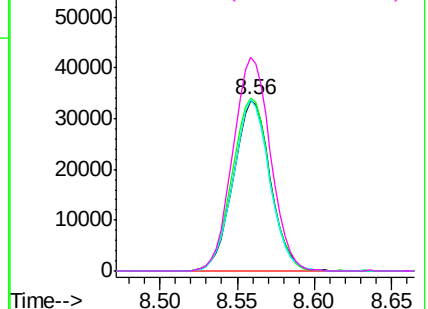


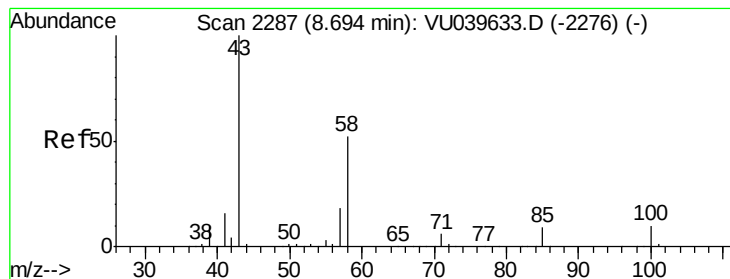
Abundance Ion 164.00 (163.70 to 164.70): VU039633.D (-2245) (-)

Ion 129.00 (128.70 to 129.70): VU039633.D (-2245) (-)

Ion 131.00 (130.70 to 131.70): VU039633.D (-2245) (-)

Ion 166.00 (165.70 to 166.70): VU039633.D (-2245) (-)





#48

2-Hexanone

Concen: 106.795 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

Tgt Ion: 43 Resp: 227485

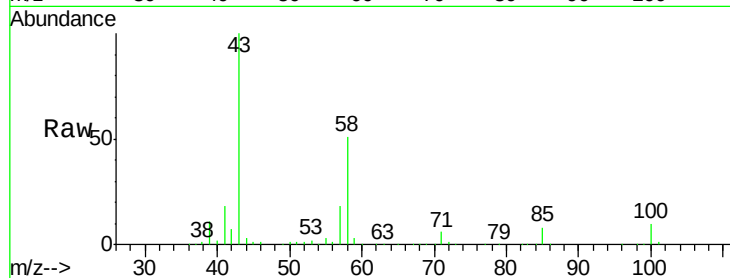
Ion Ratio Lower Upper

43 100

58 50.8 40.6 61.0

57 18.1 14.5 21.7

100 10.0 8.0 12.0

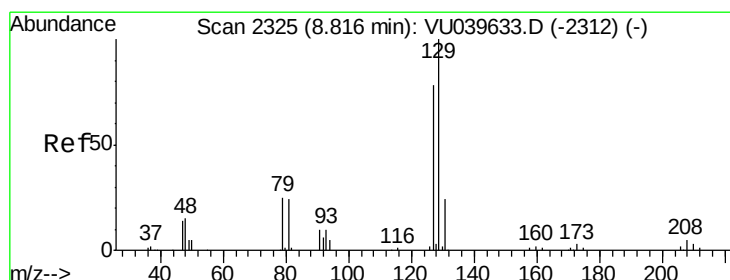
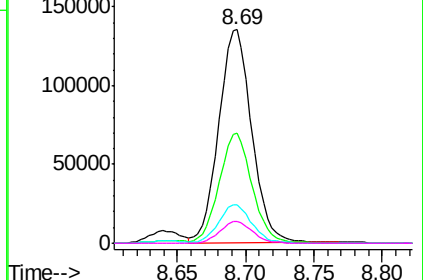
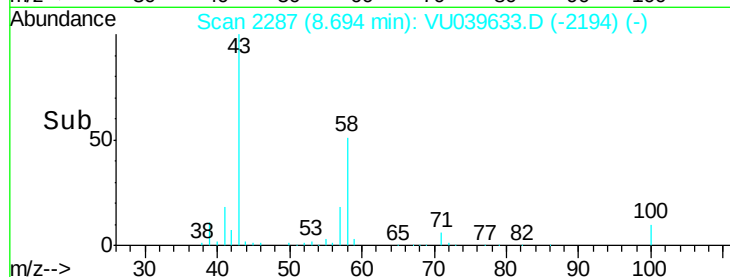


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#49

Dibromochloromethane

Concen: 52.220 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU039633.D

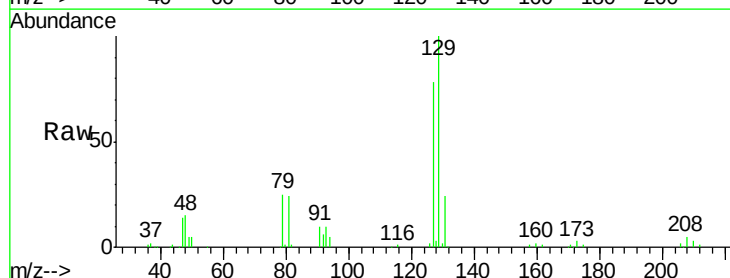
Acq: 23 Jul 2020 11:56

Tgt Ion: 129 Resp: 84106

Ion Ratio Lower Upper

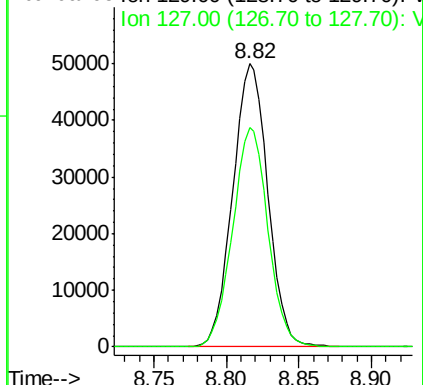
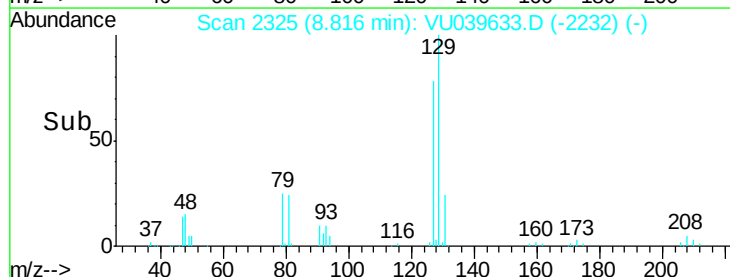
129 100

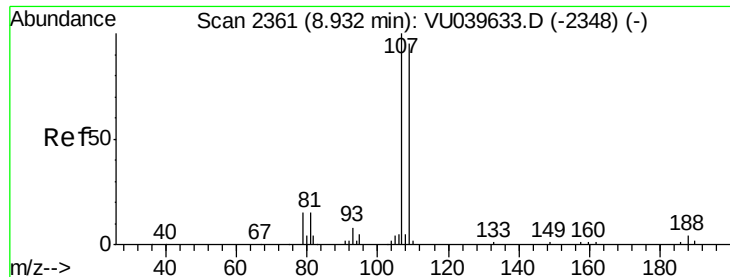
127 77.6 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

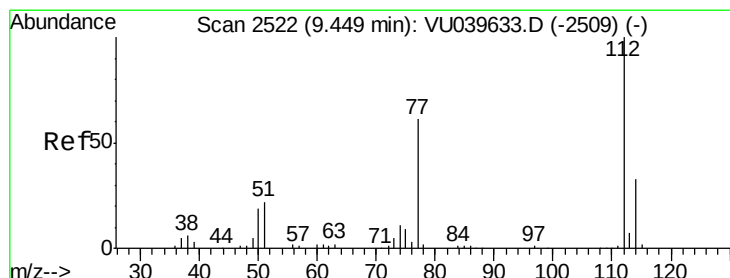
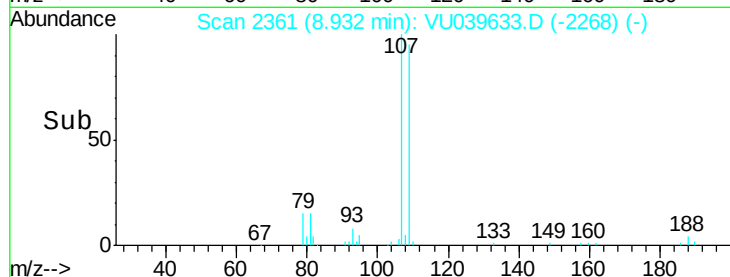
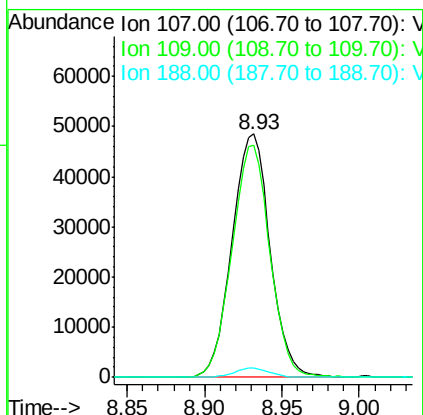
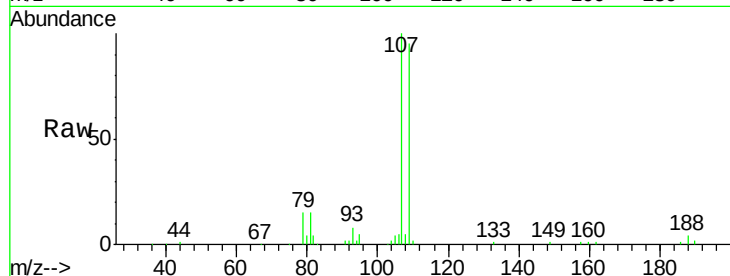




#50
 1,2-Dibromoethane
 Concen: 49.706 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

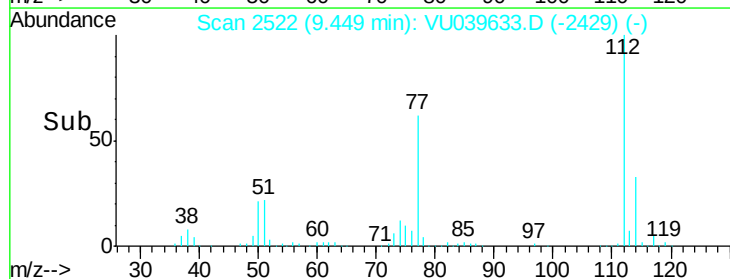
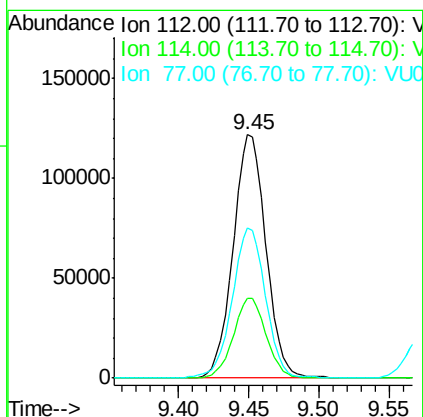
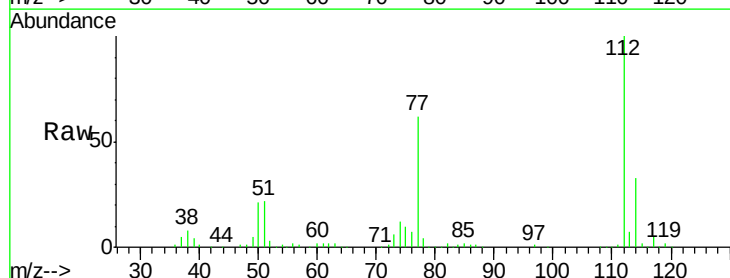
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

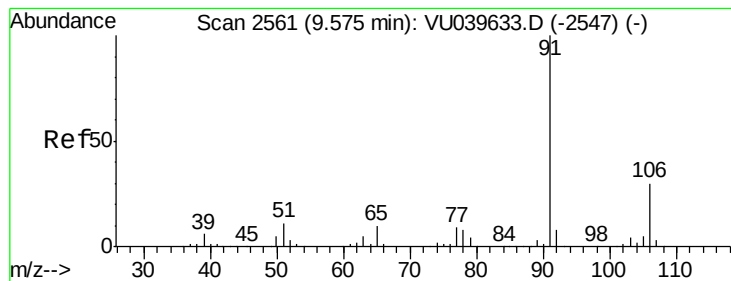
Tgt Ion:107 Resp: 82846
 Ion Ratio Lower Upper
 107 100
 109 95.5 66.8 124.2
 188 3.7 3.0 4.4



#51
 Chlorobenzene
 Concen: 48.202 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:112 Resp: 199048
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.9 42.5
 77 61.7 49.4 74.0





#52

Ethylbenzene

Concen: 50.114 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

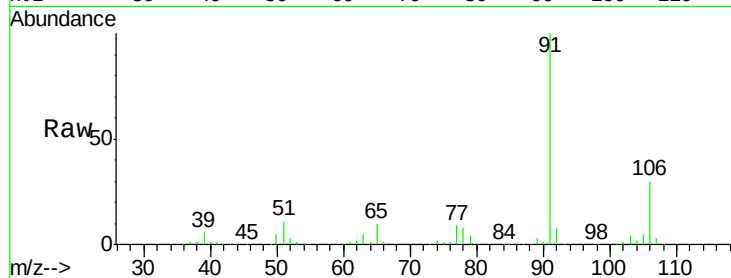
VSTD05032

Tgt Ion: 91 Resp: 356837

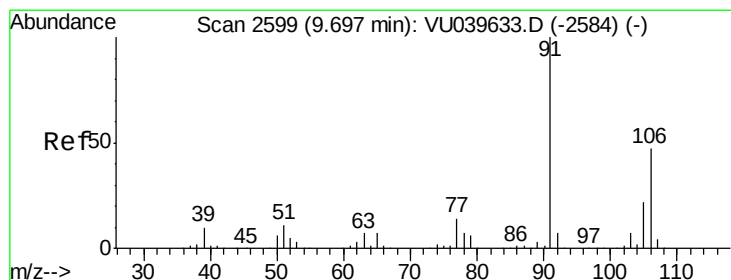
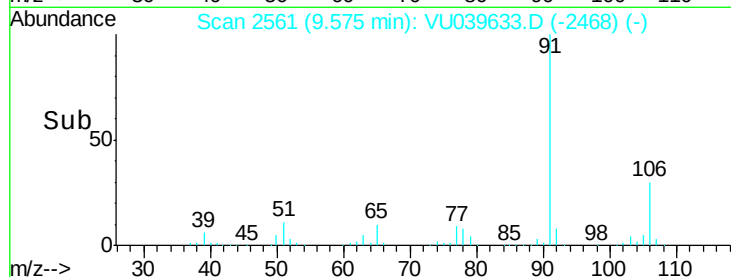
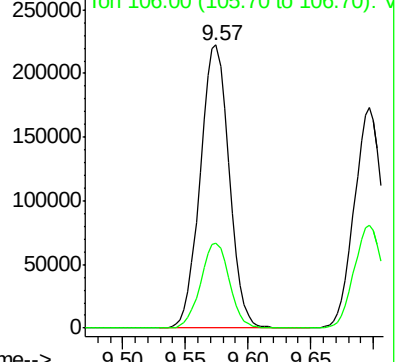
Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



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



#53

m,p-Xylene

Concen: 49.048 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039633.D

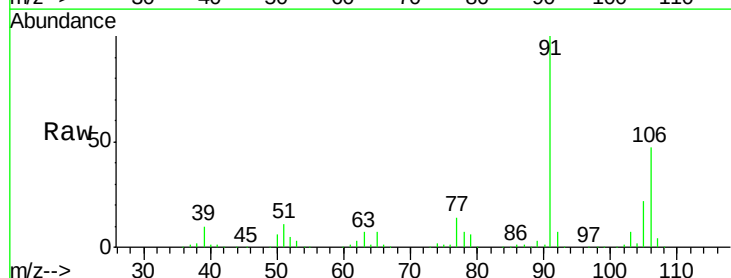
Acq: 23 Jul 2020 11:56

Tgt Ion: 106 Resp: 133346

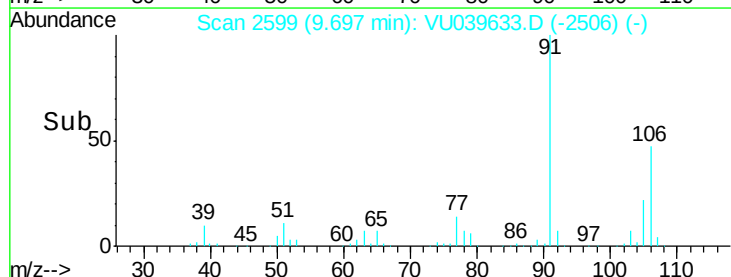
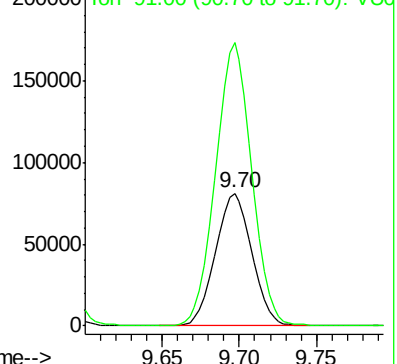
Ion Ratio Lower Upper

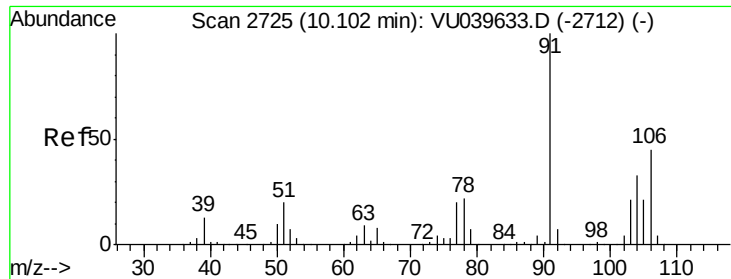
106 100

91 213.8 149.7 277.9



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





#54

o-xylene

Concen: 49.424 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

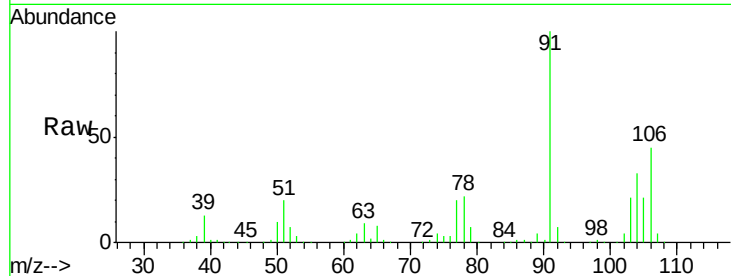
VSTD05032

Tgt Ion:106 Resp: 130695

Ion Ratio Lower Upper

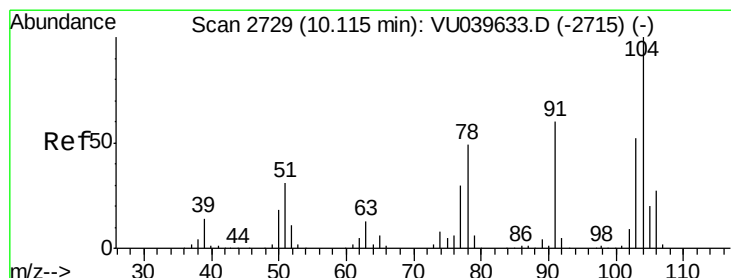
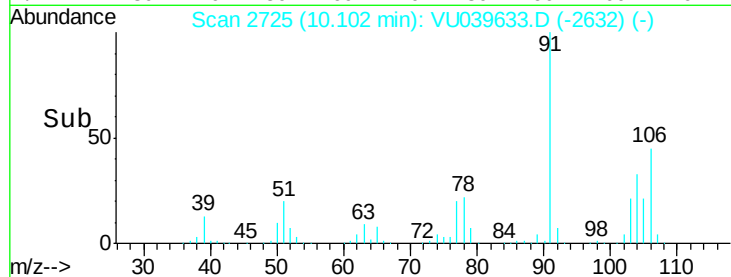
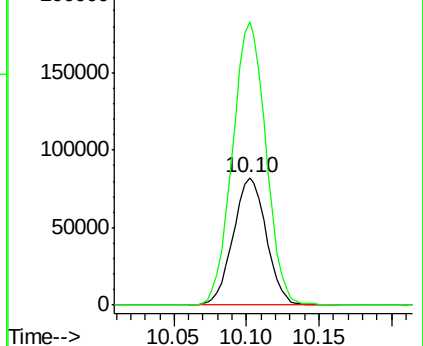
106 100

91 221.6 155.1 288.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 50.048 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039633.D

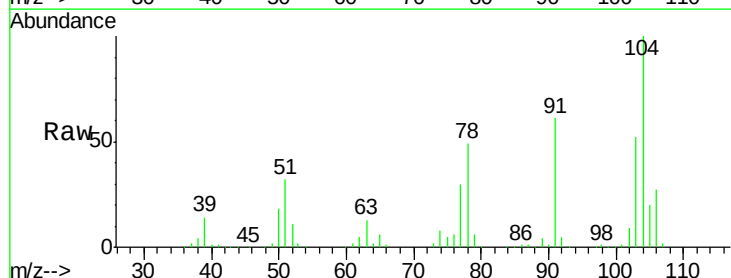
Acq: 23 Jul 2020 11:56

Tgt Ion:104 Resp: 229295

Ion Ratio Lower Upper

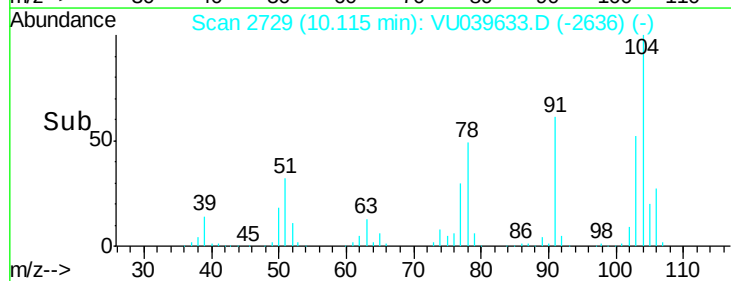
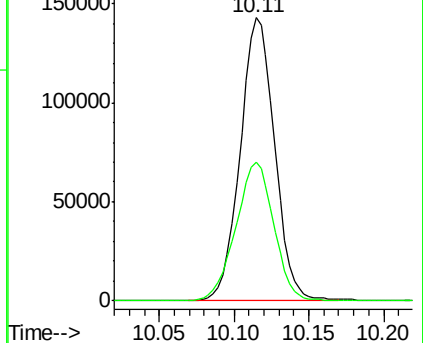
104 100

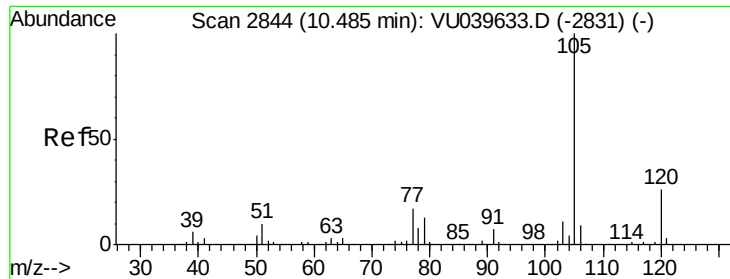
78 49.0 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 50.592 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

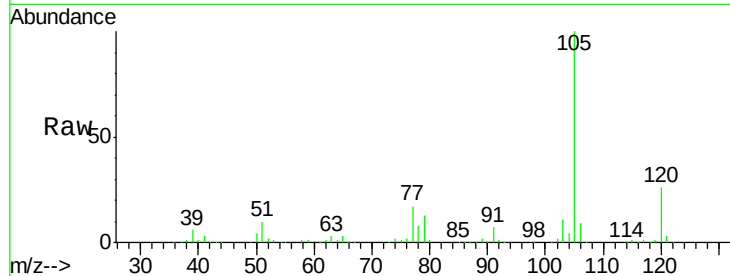
Tgt Ion:105 Resp: 351007

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

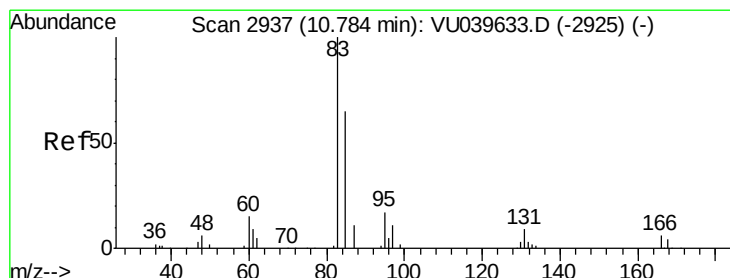
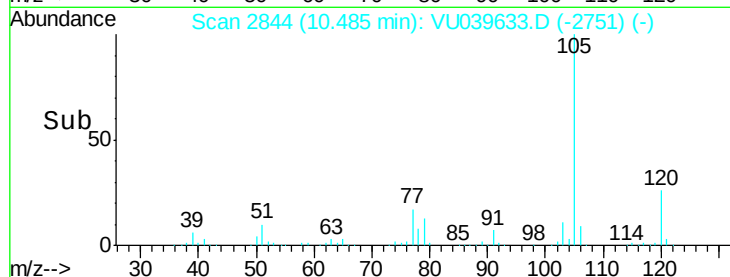
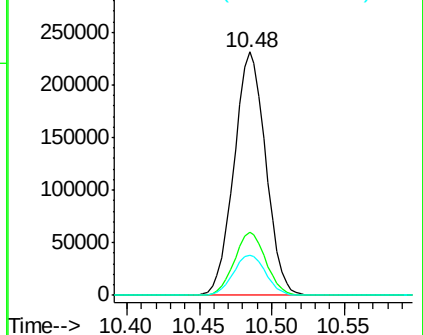
77 16.8 13.4 20.2



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: 49.669 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

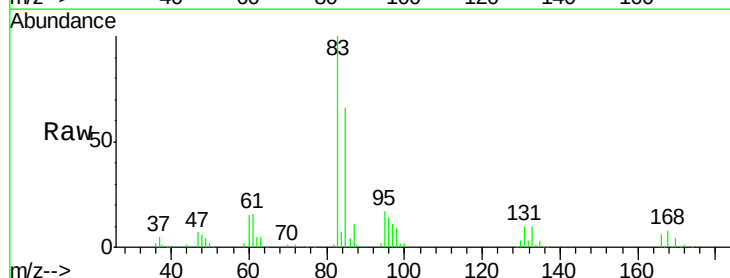
Tgt Ion: 83 Resp: 132177

Ion Ratio Lower Upper

83 100

85 66.3 46.4 86.2

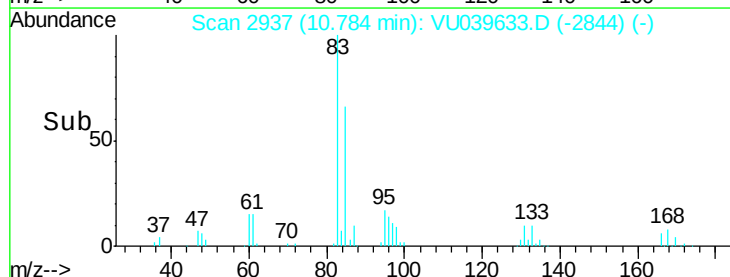
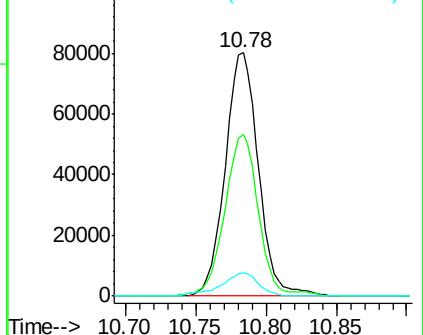
131 9.7 7.8 11.6

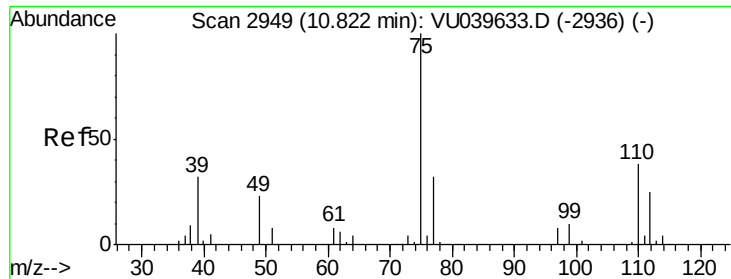


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.106 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

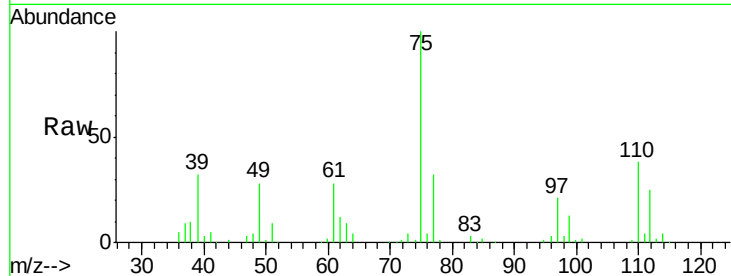
VSTD05032

Tgt Ion: 75 Resp: 110885

Ion Ratio Lower Upper

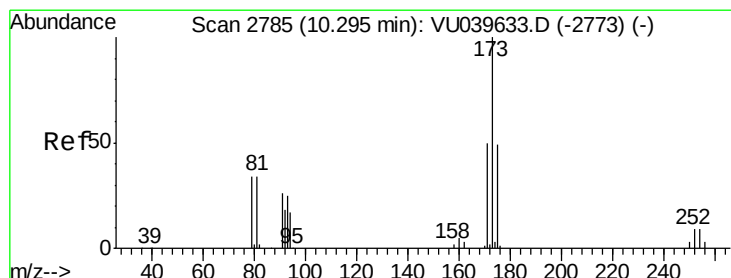
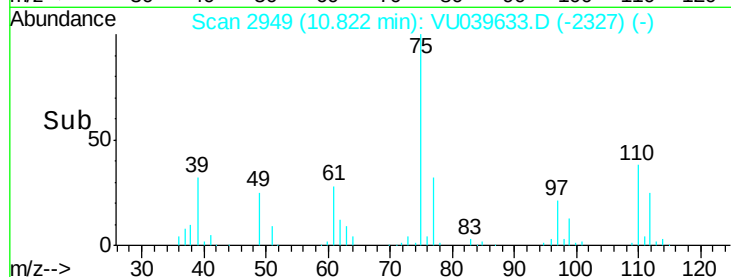
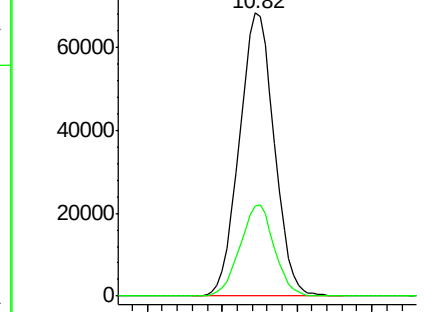
75 100

77 31.8 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) (-)



#61

Bromoform

Concen: 53.195 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

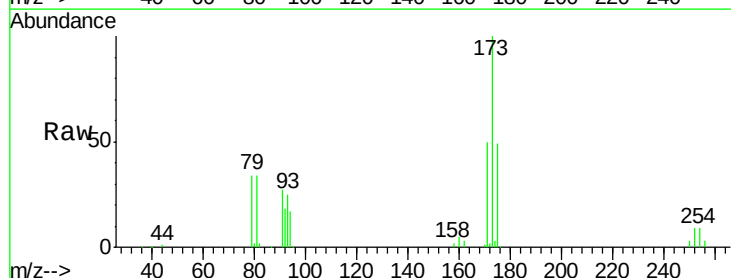
Tgt Ion: 173 Resp: 64055

Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

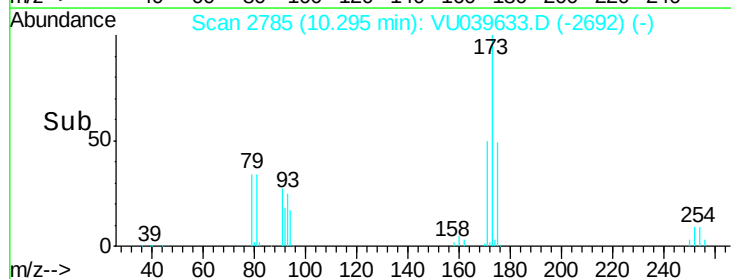
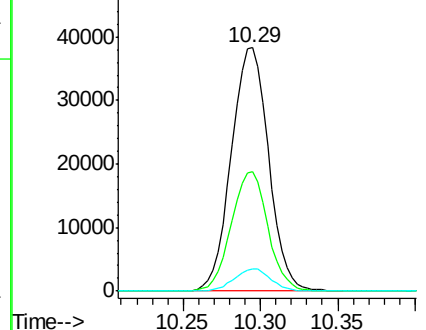
254 8.8 7.0 10.6

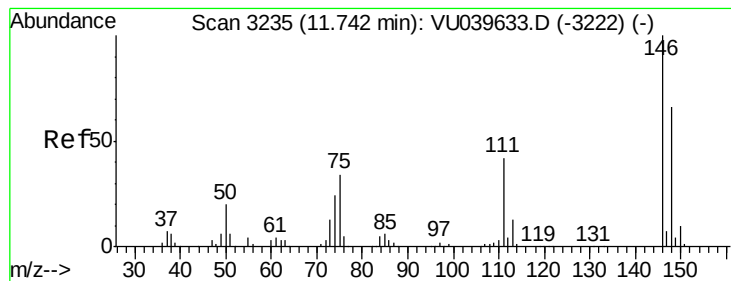


Abundance Ion 173.00 (172.70 to 173.70): VU039633.D (-2773) (-)

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

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





#62

1,3-Dichlorobenzene

Concen: 48.998 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

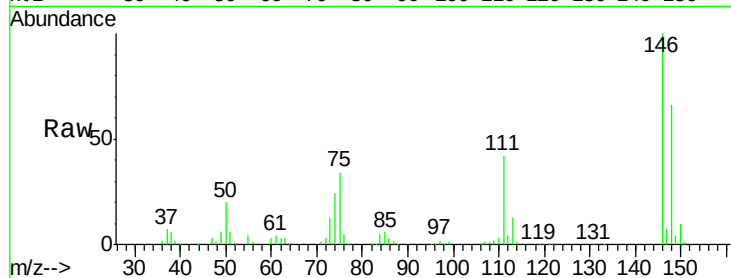
Tgt Ion:146 Resp: 162769

Ion Ratio Lower Upper

146 100

111 41.8 29.3 54.3

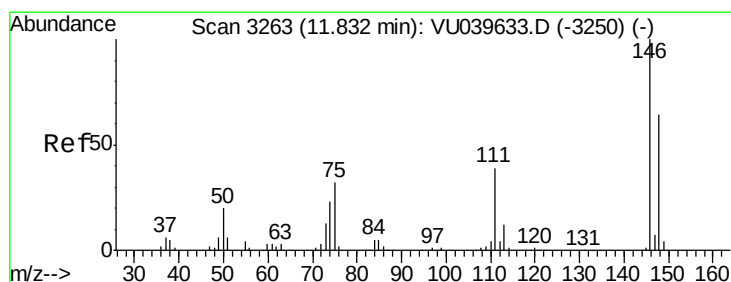
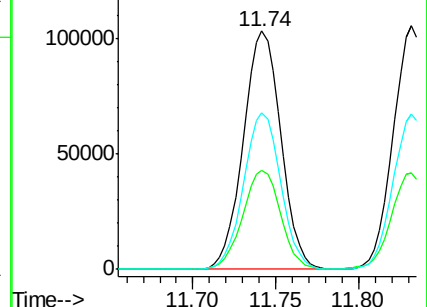
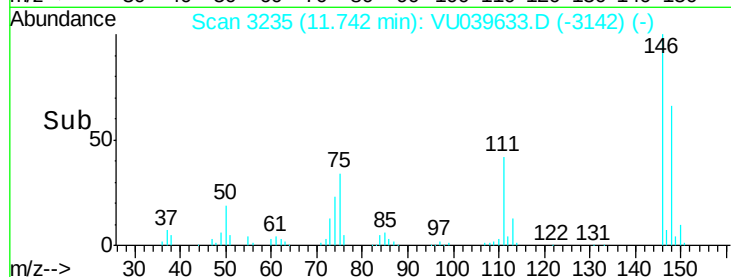
148 65.8 46.1 85.5



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: 48.637 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

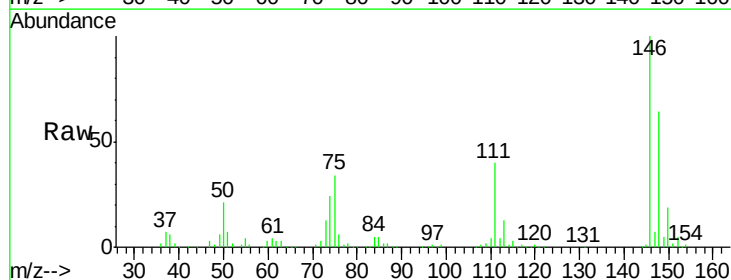
Tgt Ion:146 Resp: 163213

Ion Ratio Lower Upper

146 100

111 39.7 27.8 51.6

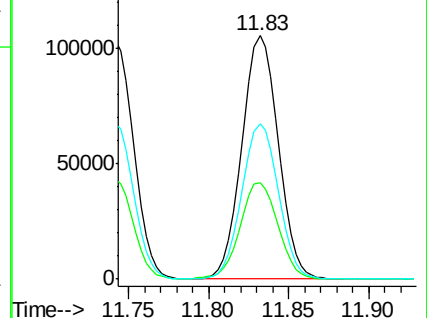
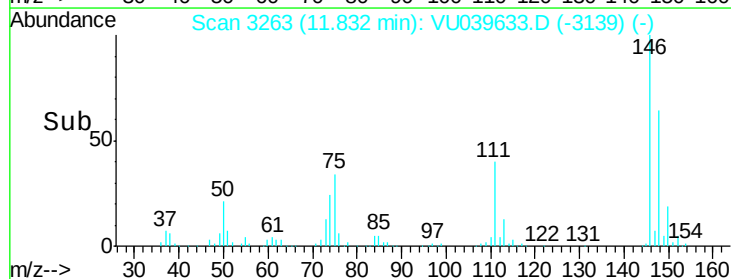
148 63.9 44.7 83.1

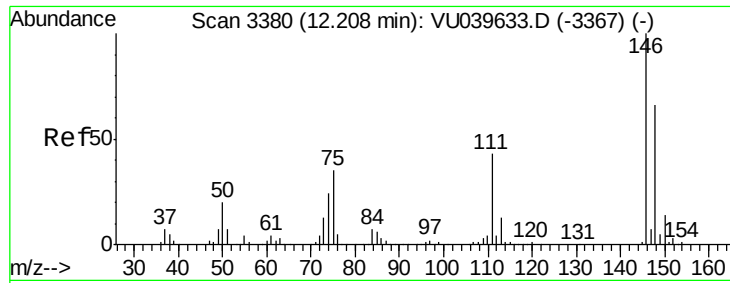


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

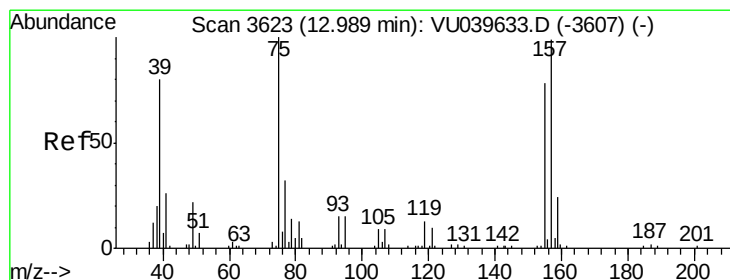
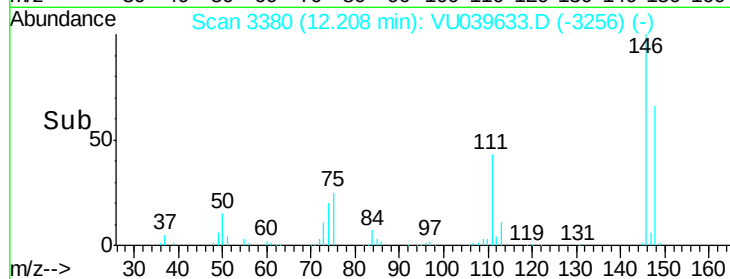
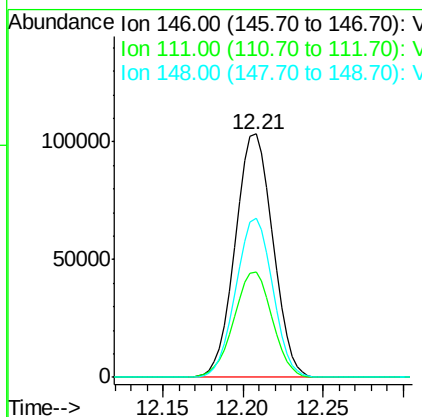
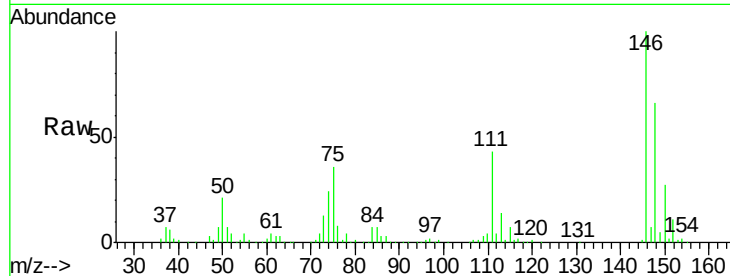




#65
 1,2-Dichlorobenzene
 Concen: 49.934 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

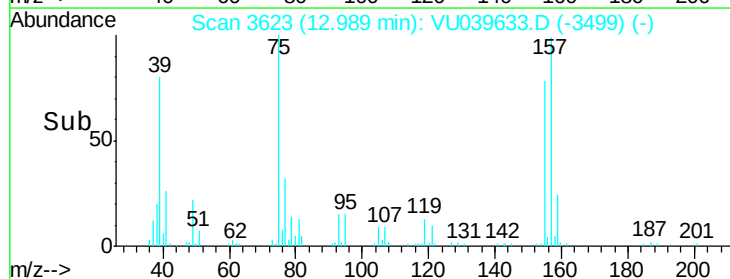
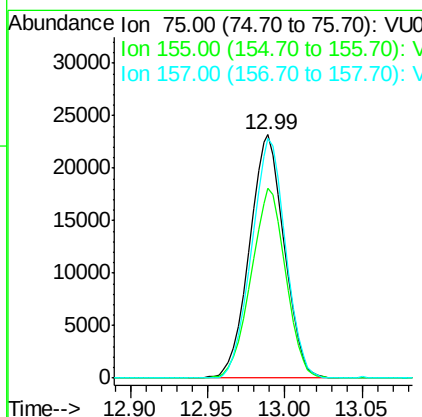
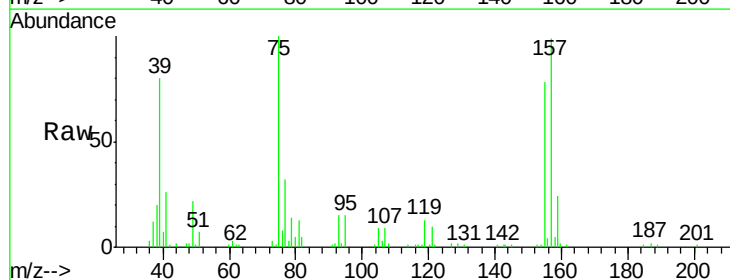
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

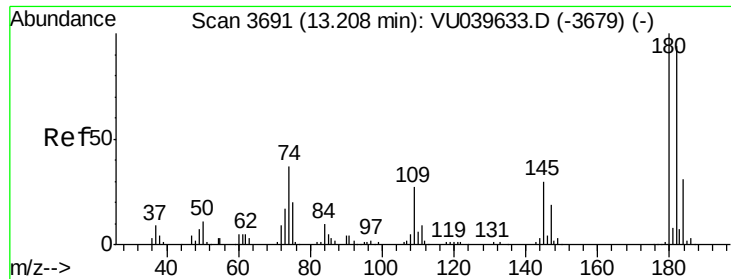
Tgt Ion: 146 Resp: 165761
 Ion Ratio Lower Upper
 146 100
 111 43.5 34.8 52.2
 148 65.6 52.5 78.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 52.107 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 36196
 Ion Ratio Lower Upper
 75 100
 155 78.0 62.4 93.6
 157 98.6 78.9 118.3

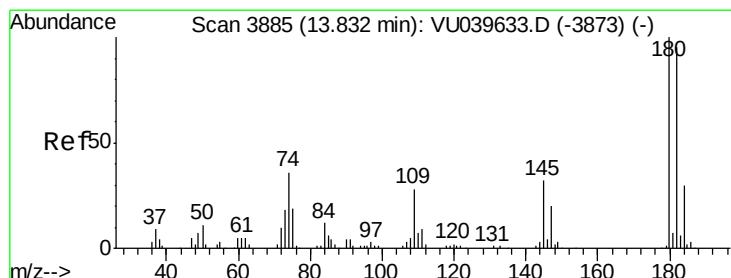
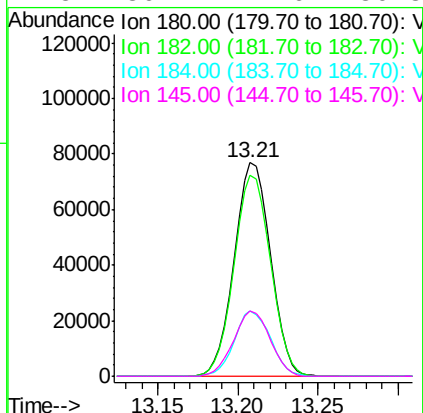
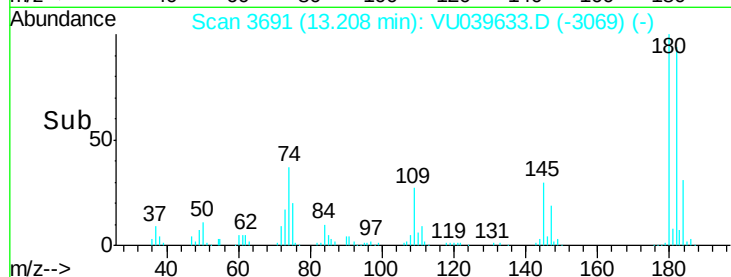
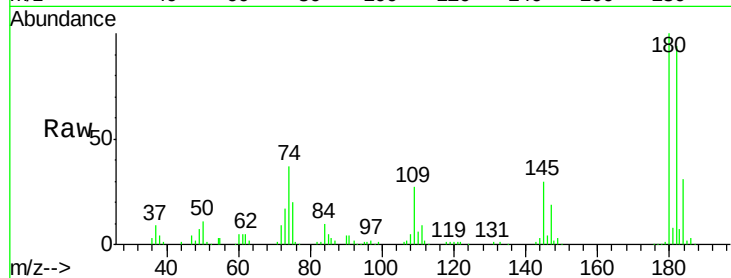




#67
 1,3,5-Trichlorobenzene
 Concen: 49.667 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

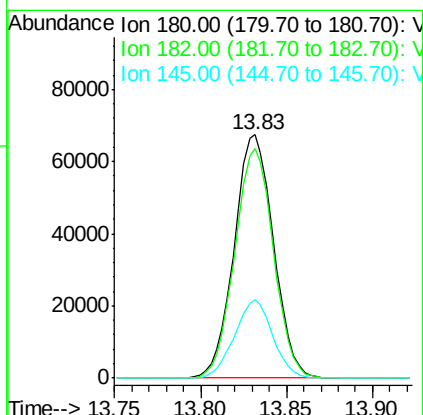
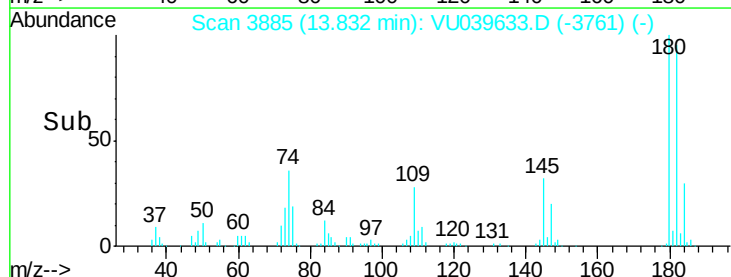
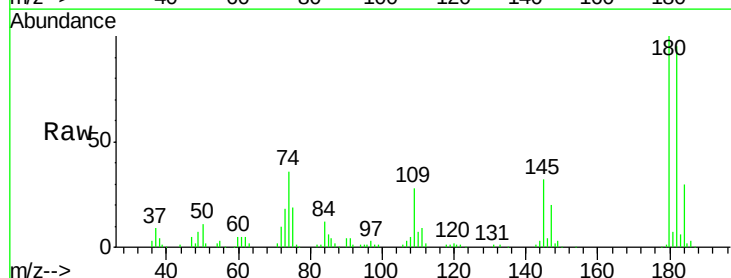
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05032

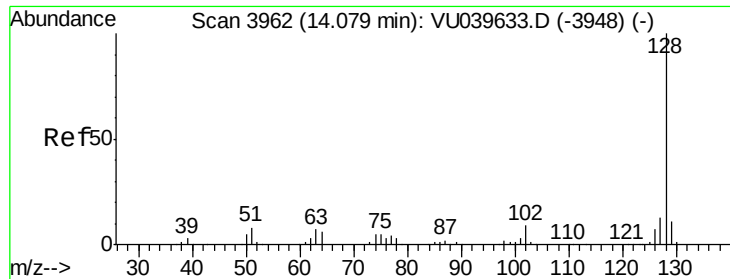
Tgt Ion:180 Resp: 118880
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 30.2 24.2 36.2
 145 30.7 24.6 36.8



#68
 1,2,4-trichlorobenzene
 Concen: 47.845 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039633.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:180 Resp: 106964
 Ion Ratio Lower Upper
 180 100
 182 93.0 74.4 111.6
 145 31.0 24.8 37.2





#69

Naphthalene

Concen: 44.378 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_U

ClientSampleId :

VSTD05032

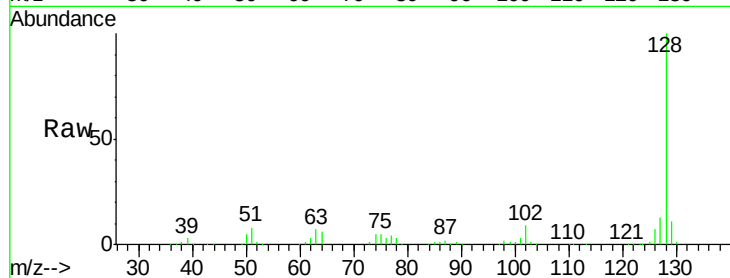
Tgt Ion:128 Resp: 339682

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

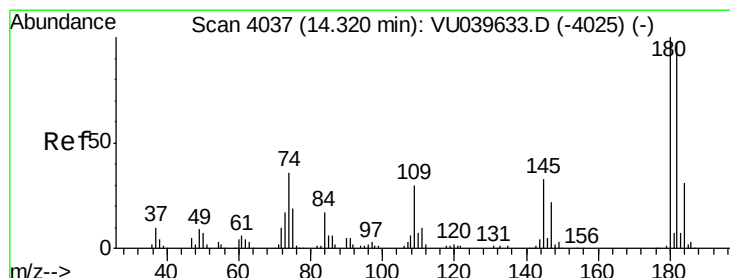
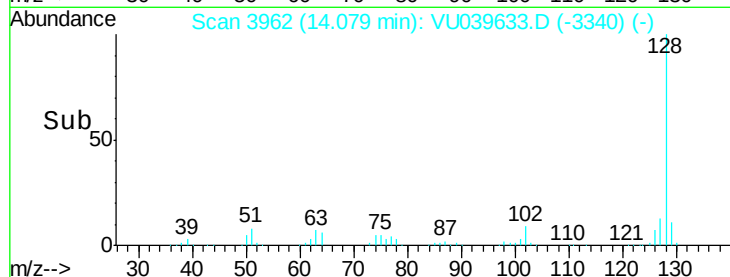
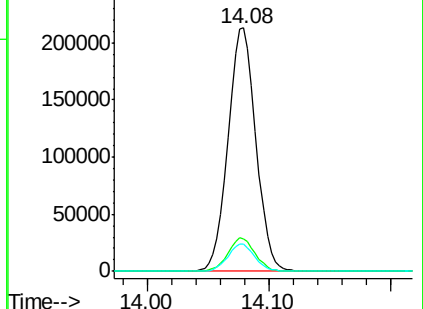
129 11.0 8.8 13.2



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: 47.389 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039633.D

Acq: 23 Jul 2020 11:56

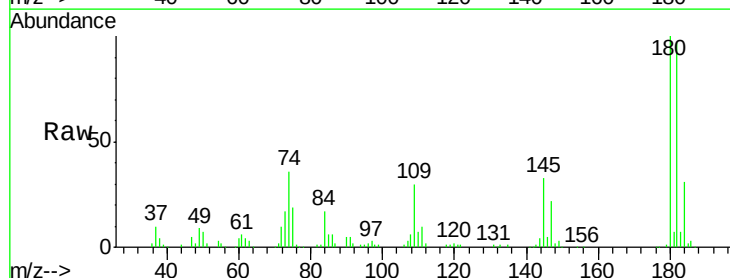
Tgt Ion:180 Resp: 105145

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 33.7 27.0 40.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

