

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
 Data File : VU038335.D
 Acq On : 28 May 2020 09:45
 Operator : JC/MD
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Quant Time: May 28 11:28:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 11:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	669585	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	650460	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	321033	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37340	8.88	ug/L	0.00
7) Chloroethane-d5	1.93	69	30418	9.37	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	80371	9.35	ug/L	0.00
21) 2-Butanone-d5	4.66	46	72642	18.19	ug/L	0.00
24) Chloroform-d	5.10	84	75019	9.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	53722	9.50	ug/L	0.00
32) Benzene-d6	5.76	84	153958	9.11	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	47148	9.00	ug/L	0.00
41) Toluene-d8	7.92	98	136182	9.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	22604	8.67	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	48162	17.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	68734	8.86	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	55810	9.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	52353	10.387	ug/L 99
3) Chloromethane	1.53	50	47646	10.257	ug/L 98
5) Vinyl chloride	1.62	62	51796	10.094	ug/L 96
6) Bromomethane	1.87	94	20247	9.644	ug/L 99
8) Chloroethane	1.95	64	33741	10.761	ug/L 96
9) Trichlorofluoromethane	2.16	101	72506	10.543	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	43043	10.468	ug/L 98
12) 1,1-Dichloroethene	2.61	96	42443	10.455	ug/L 96
13) Acetone	2.65	43	75731	22.822	ug/L 99
14) Carbon disulfide	2.82	76	134795	10.181	ug/L 98
15) Methyl Acetate	2.98	43	62784	10.555	ug/L 99
16) Methylene chloride	3.08	84	48593	10.417	ug/L 93
17) trans-1,2-Dichloroethene	3.39	96	44560	10.219	ug/L 96
18) Methyl tert-butyl Ether	3.40	73	140029	10.014	ug/L 99
19) 1,1-Dichloroethane	3.91	63	86394	10.462	ug/L 100
20) cis-1,2-Dichloroethene	4.71	96	48633	10.181	ug/L 97
22) 2-Butanone	4.74	43	97637	20.986	ug/L 100
23) Bromochloromethane	5.01	128	24471	10.347	ug/L 96
25) Chloroform	5.13	83	87545	10.309	ug/L 97
27) 1,2-Dichloroethane	5.83	62	72082	10.483	ug/L 98
29) Cyclohexane	5.42	56	77437	10.383	ug/L 99
30) 1,1,1-Trichloroethane	5.35	97	72758	10.287	ug/L 96
31) Carbon tetrachloride	5.56	117	61051	10.356	ug/L 99
33) Benzene	5.81	78	191721	10.494	ug/L 100
34) Trichloroethene	6.57	95	49500	10.590	ug/L 97
35) Methylcyclohexane	6.79	83	74652	10.173	ug/L 99
37) 1,2-Dichloropropane	6.82	63	48466	10.229	ug/L 100
38) Bromodichloromethane	7.13	83	61187	10.077	ug/L 99
39) cis-1,3-Dichloropropene	7.63	75	73073	9.692	ug/L 96
40) 4-Methyl-2-pentanone	7.82	43	145195	19.269	ug/L 99

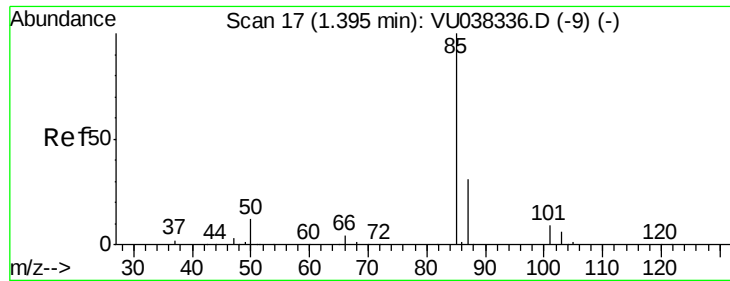
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\NOT REVIEWED DATA\
 Data File : VU038335.D
 Acq On : 28 May 2020 09:45
 Operator : JC/MD
 Sample : VSTD01036
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Quant Time: May 28 11:28:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 11:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	197020	10.272	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	67330	9.540	ug/L	96
45) 1,1,2-Trichloroethane	8.42	97	45787	10.184	ug/L	98
46) Tetrachloroethene	8.57	164	36647	10.724	ug/L	99
48) 2-Hexanone	8.70	43	125743	19.765	ug/L	99
49) Dibromochloromethane	8.83	129	45127	9.913	ug/L	98
50) 1,2-Dibromoethane	8.94	107	48066	9.946	ug/L	97
51) Chlorobenzene	9.47	112	128542	10.428	ug/L	99
52) Ethylbenzene	9.59	91	216424	10.071	ug/L	97
53) m,p-Xylene	9.71	106	83385	10.146	ug/L	98
54) o-xylene	10.12	106	79631	9.966	ug/L	99
55) Styrene	10.13	104	136690	9.954	ug/L	97
56) Isopropylbenzene	10.50	105	210334	10.073	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	75418	9.802	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	67990	10.262	ug/L	98
61) Bromoform	10.31	173	30992	9.609	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	97933	10.435	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	98994	10.377	ug/L	97
65) 1,2-Dichlorobenzene	12.22	146	98333	10.566	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	19055	10.001	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	66980	10.028	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	64078	10.003	ug/L	98
69) Naphthalene	14.11	128	217912	9.501	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	64628	10.099	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 10.387 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

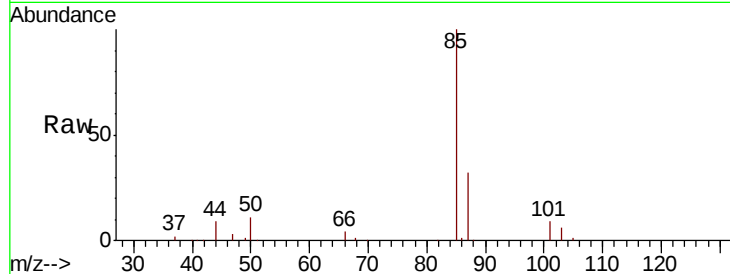
VSTD01036

Tot Ion: 85 Resp: 52353

Ion Ratio Lower Upper

85 100

87 32.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

60000

50000

40000

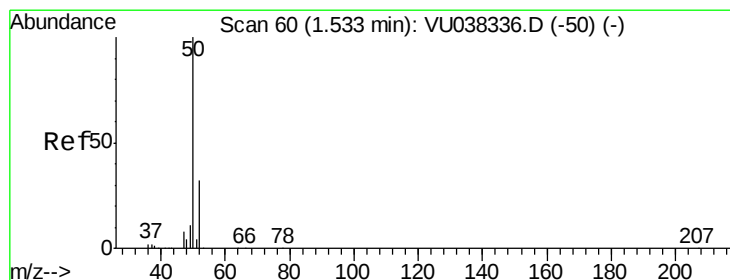
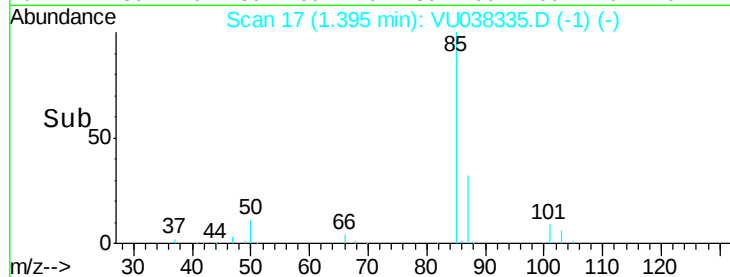
30000

20000

10000

0

Time--> 1.35 1.40



#3

Chloromethane

Concen: 10.257 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038335.D

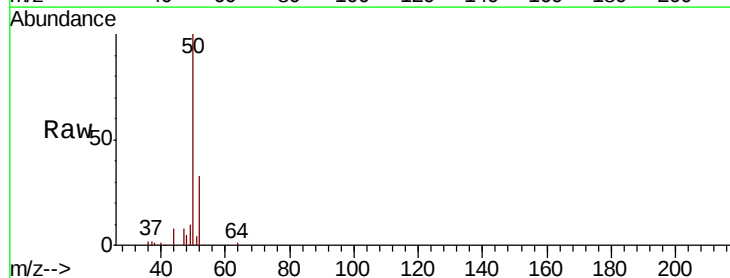
Acq: 28 May 2020 09:45

Tgt Ion: 50 Resp: 47646

Ion Ratio Lower Upper

50 100

52 33.2 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.53

50000

40000

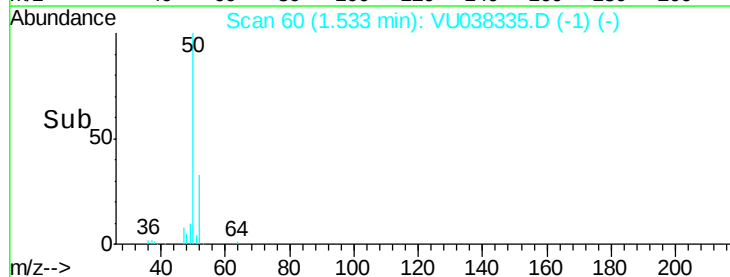
30000

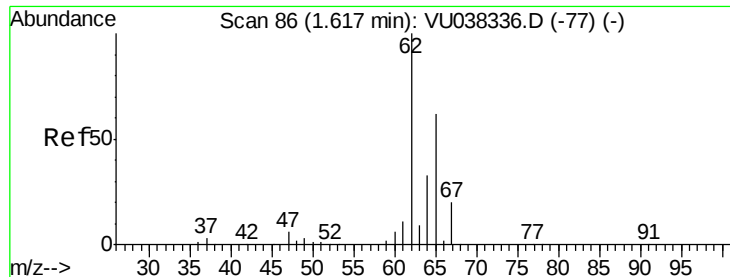
20000

10000

0

Time--> 1.50 1.55 1.60





#5

Vinyl chloride

Concen: 10.094 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

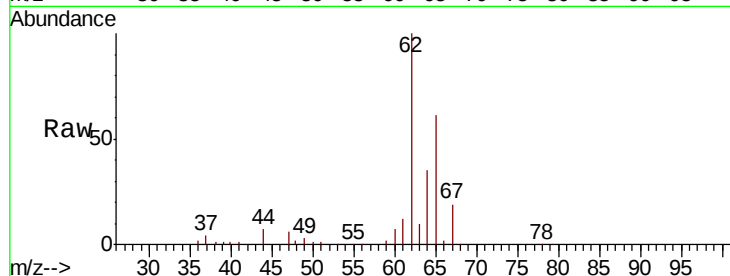
VSTD01036

Tot Ion: 62 Resp: 51796

Ion Ratio Lower Upper

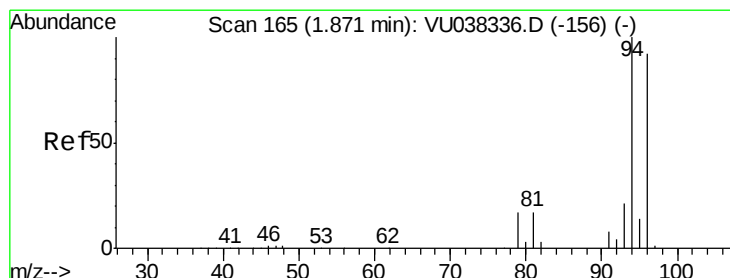
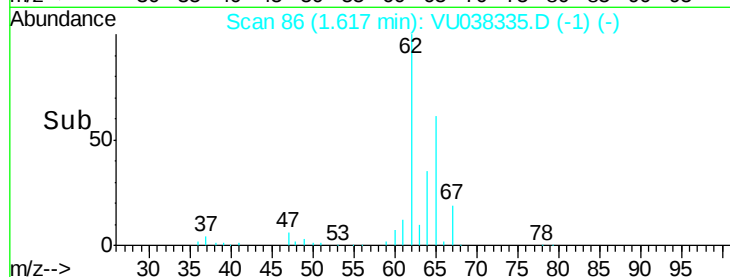
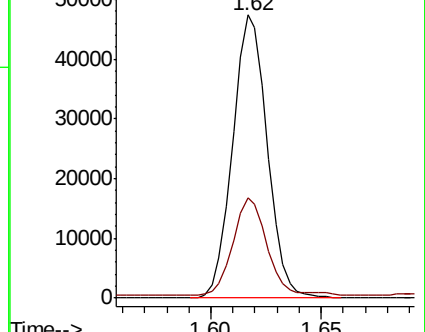
62 100

64 35.2 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU038335.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU038335.D (-77) (-)



#6

Bromomethane

Concen: 9.644 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038335.D

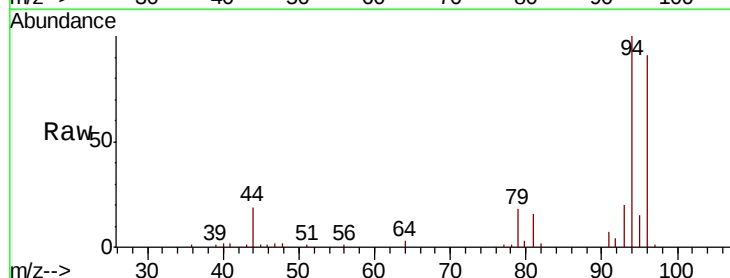
Acq: 28 May 2020 09:45

Tgt Ion: 94 Resp: 20247

Ion Ratio Lower Upper

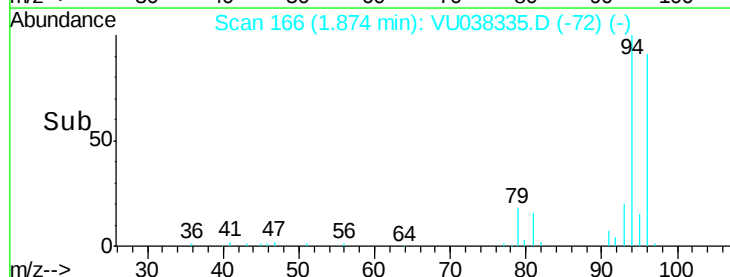
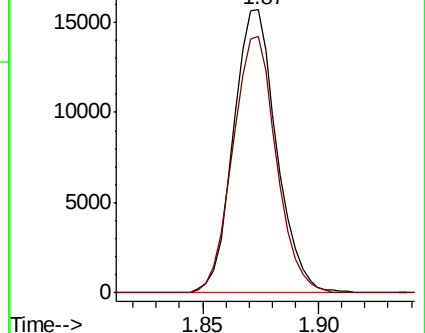
94 100

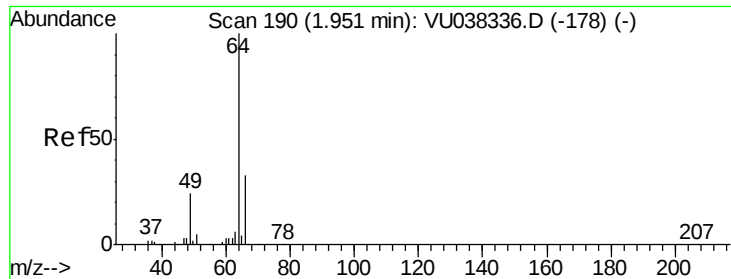
96 90.6 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU038335.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU038335.D (-156) (-)

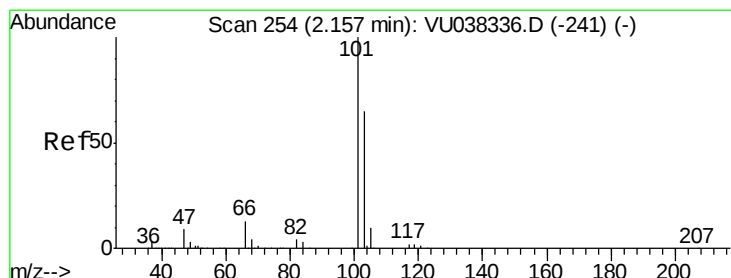
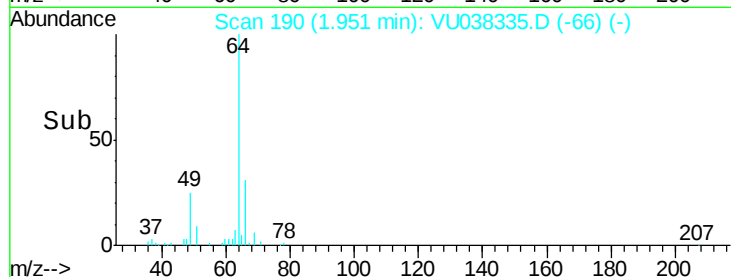
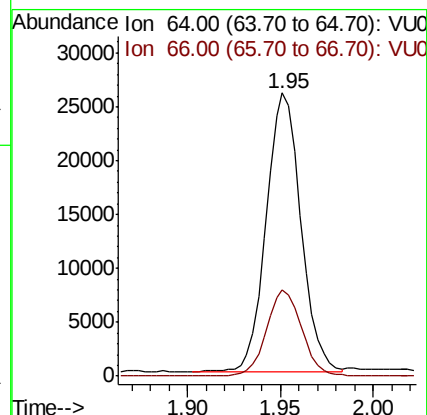
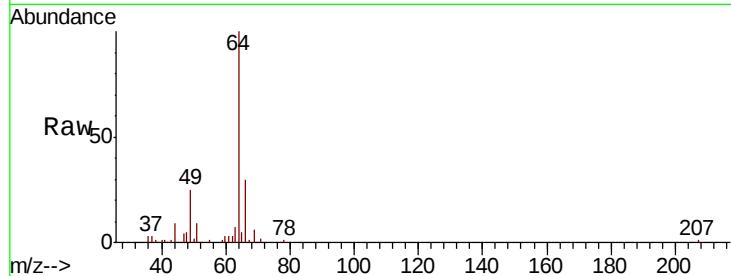




#8
Chloroethane
Concen: 10.761 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

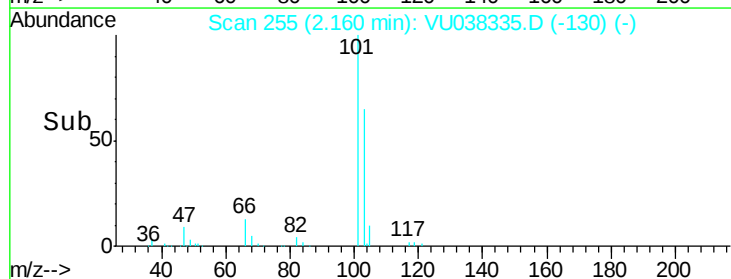
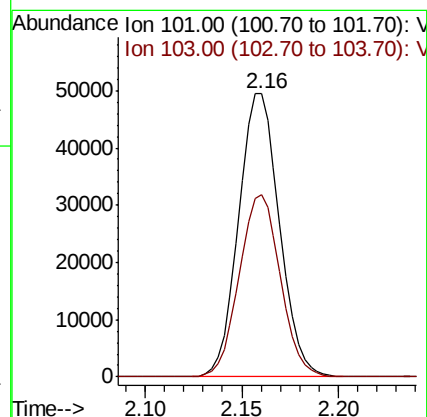
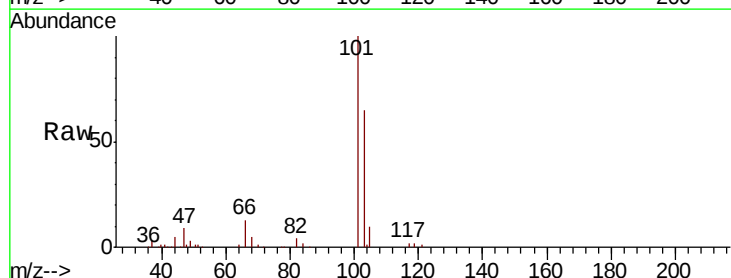
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

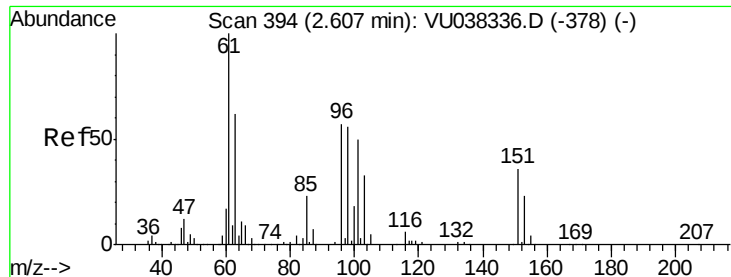
Tot Ion: 64 Resp: 33741
Ion Ratio Lower Upper
64 100
66 30.4 23.0 42.8



#9
Trichlorofluoromethane
Concen: 10.543 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion: 101 Resp: 72506
Ion Ratio Lower Upper
101 100
103 64.9 51.4 77.0





#10

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

Concen: 10.468 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

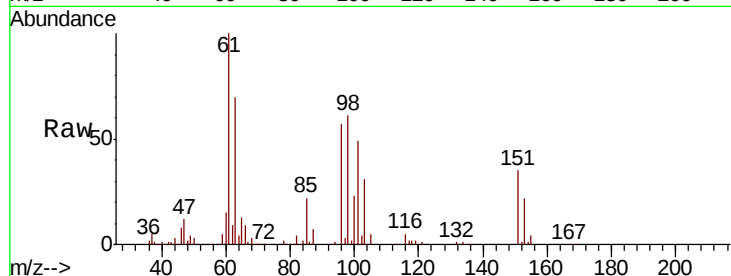
Tot Ion:101 Resp: 43043

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

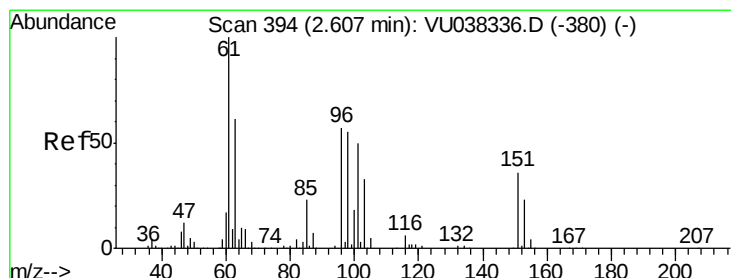
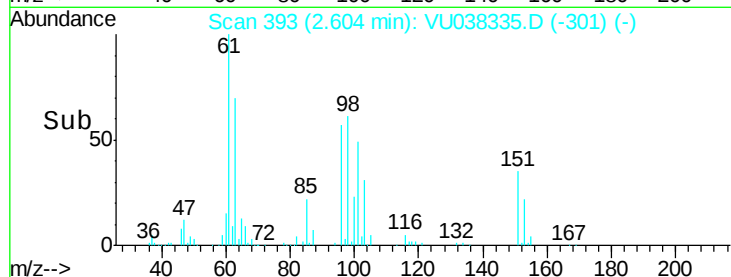
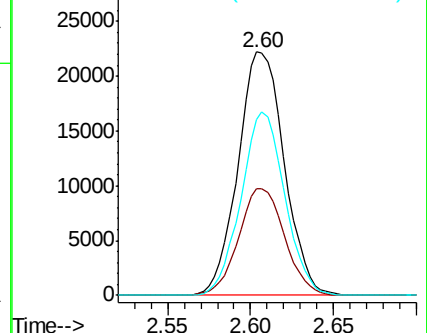
151 71.2 58.4 87.6



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: 10.455 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

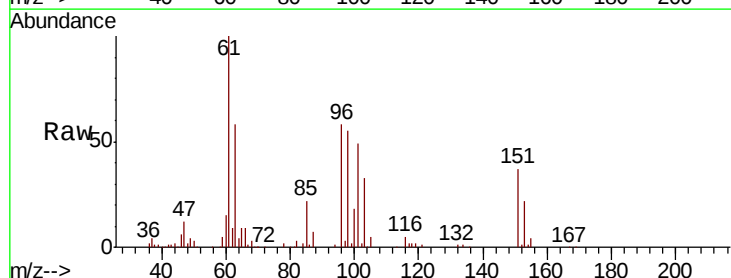
Tgt Ion: 96 Resp: 42443

Ion Ratio Lower Upper

96 100

61 173.9 123.5 229.3

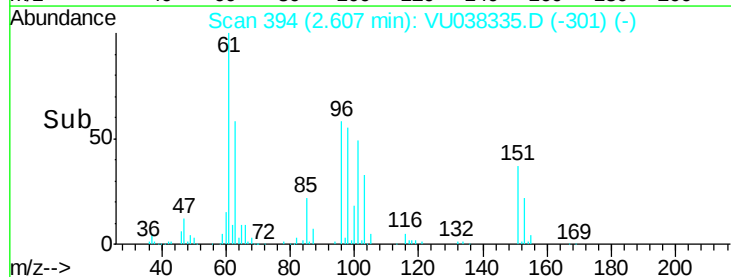
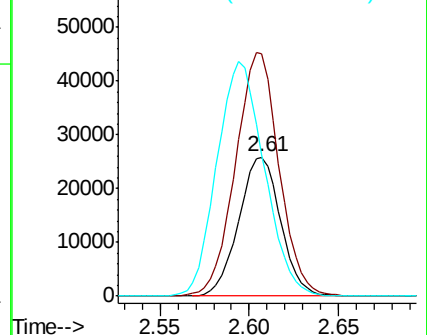
63 101.4 76.6 142.2

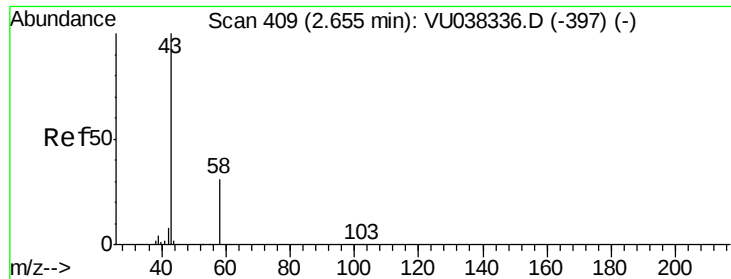


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 22.822 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

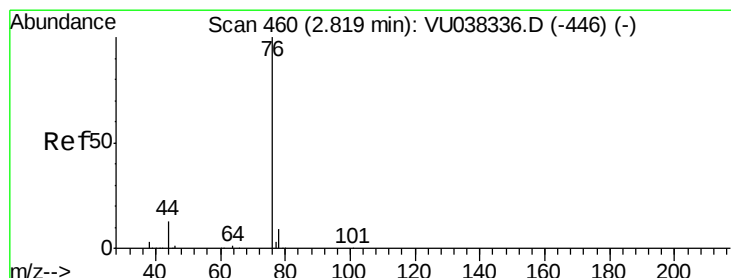
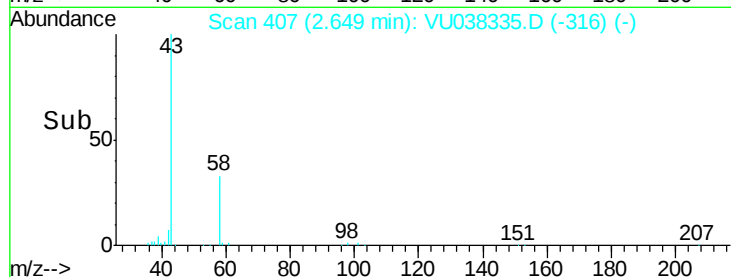
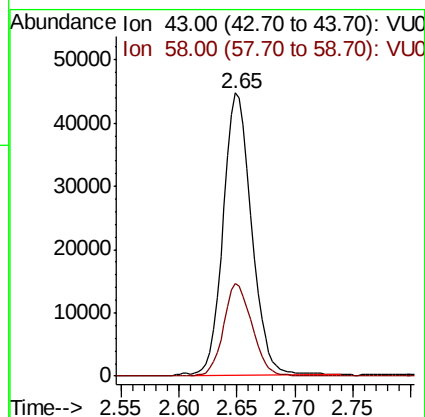
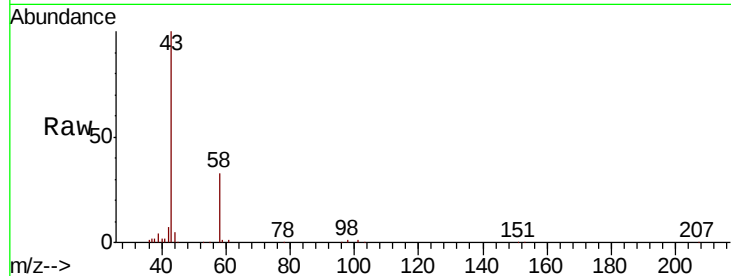
VSTD01036

Tot Ion: 43 Resp: 75731

Ion Ratio Lower Upper

43 100

58 32.3 0.0 63.4



#14

Carbon disulfide

Concen: 10.181 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038335.D

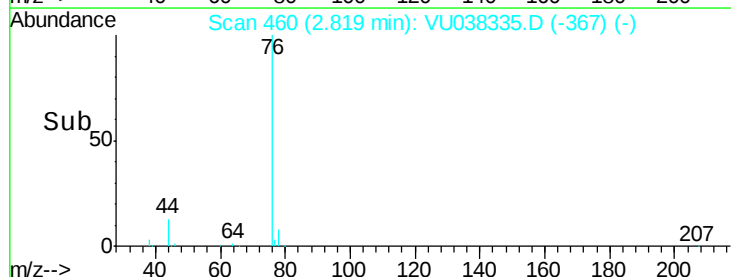
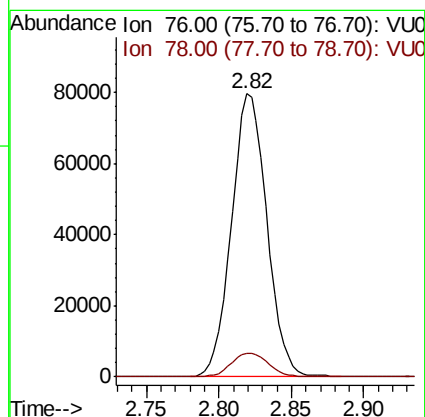
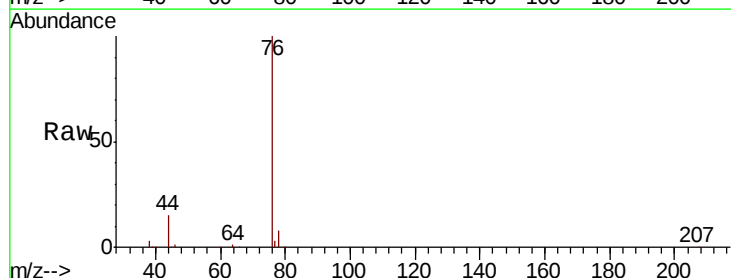
Acq: 28 May 2020 09:45

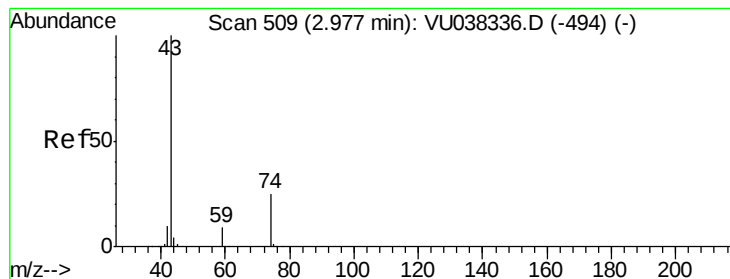
Tgt Ion: 76 Resp: 134795

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9





#15

Methvl Acetate

Concen: 10.555 ug/L

RT: 2.98 min Scan# 509

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

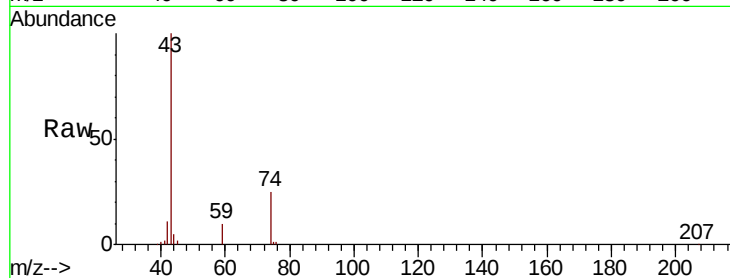
VSTD01036

Tot Ion: 43 Resp: 62784

Ion Ratio Lower Upper

43 100

74 24.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VU038335.D (-416) (-)

Ion 74.00 (73.70 to 74.70): VU038335.D (-416) (-)

2.98

40000

30000

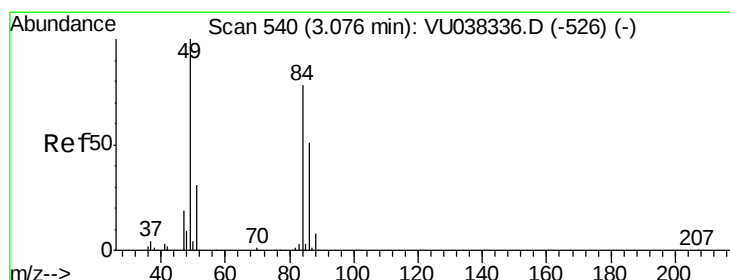
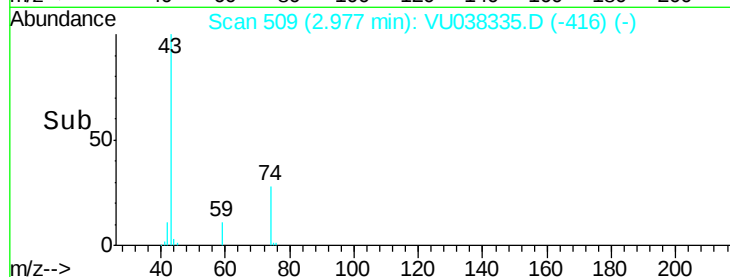
20000

10000

0

Time-->

2.90 2.95 3.00 3.05



#16

Methylene chloride

Concen: 10.417 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

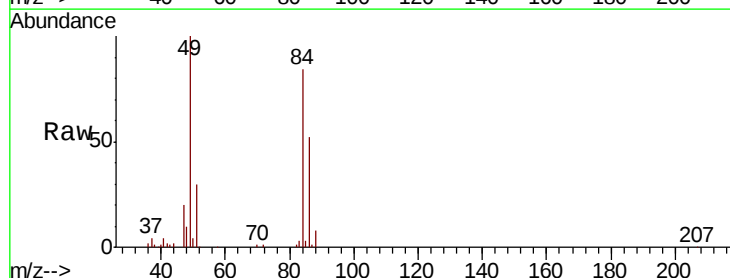
Tgt Ion: 84 Resp: 48593

Ion Ratio Lower Upper

84 100

86 62.2 46.1 85.7

49 118.8 90.0 167.2



Abundance Ion 84.00 (83.70 to 84.70): VU038335.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038335.D (-447) (-)

Ion 49.00 (48.70 to 49.70): VU038335.D (-447) (-)

40000

30000

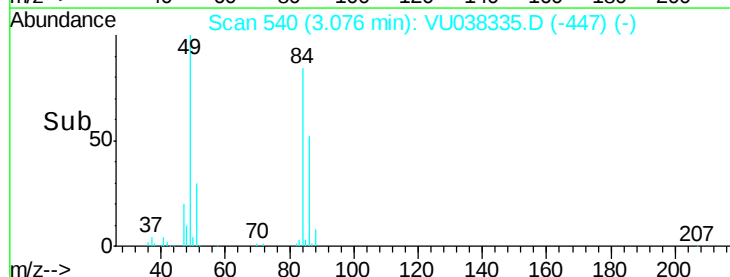
20000

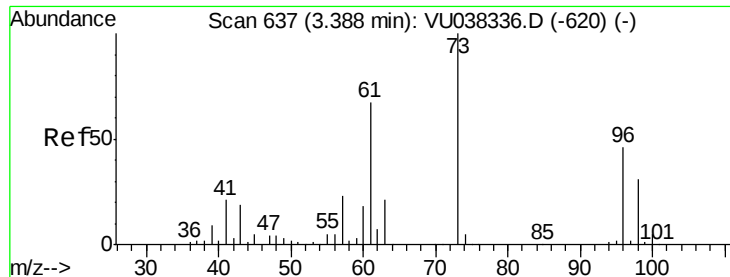
10000

0

Time-->

3.00 3.05 3.10 3.15

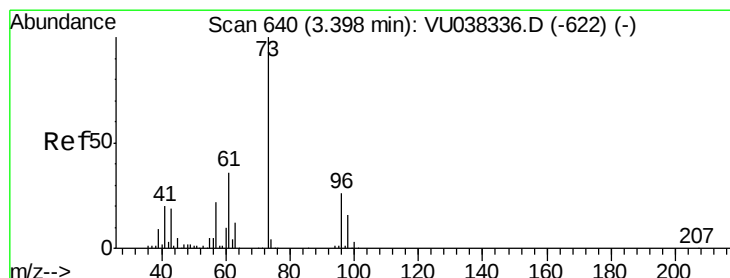
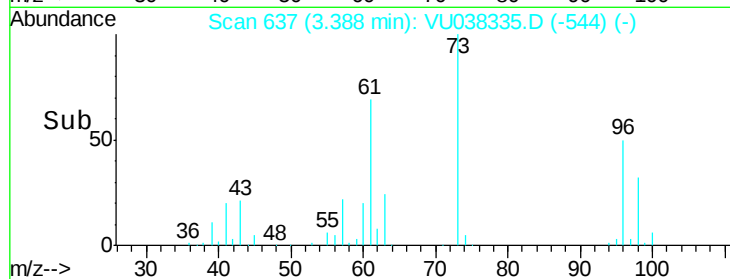
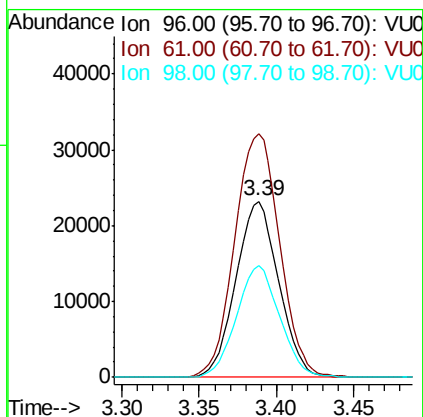
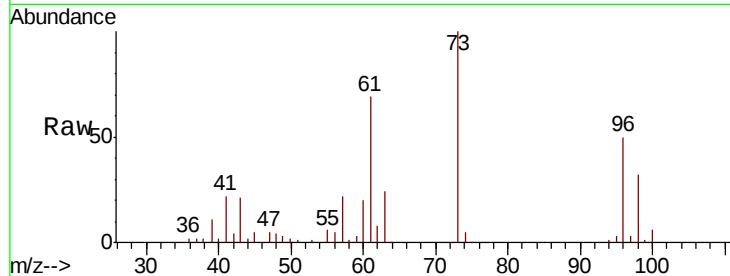




#17
trans-1,2-Dichloroethene
Concen: 10.219 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

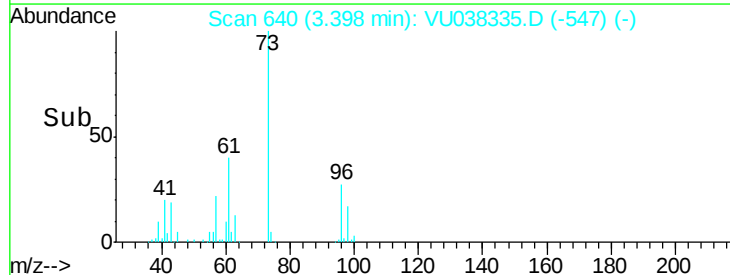
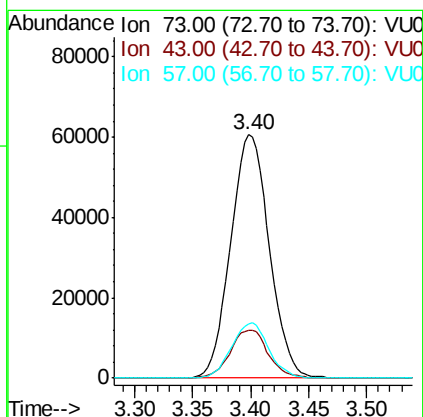
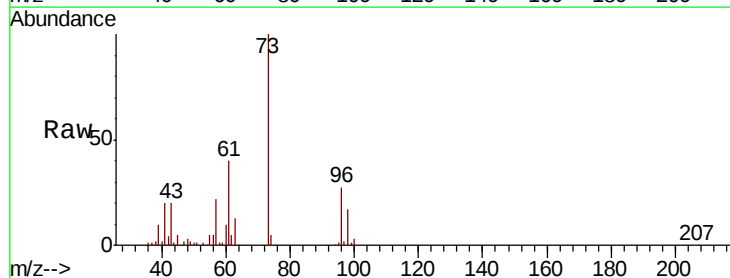
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

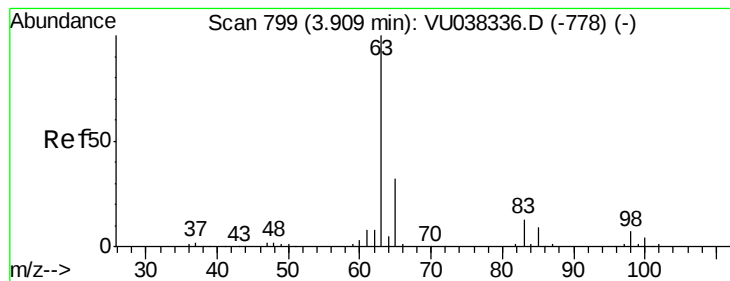
Tot Ion: 96 Resp: 44560
Ion Ratio Lower Upper
96 100
61 138.1 100.4 186.4
98 63.4 46.1 85.5



#18
Methyl tert-butyl Ether
Concen: 10.014 ug/L
RT: 3.40 min Scan# 640
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion: 73 Resp: 140029
Ion Ratio Lower Upper
73 100
43 19.5 15.7 23.5
57 21.7 17.7 26.5





#19

1,1-Dichloroethane

Concen: 10.462 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

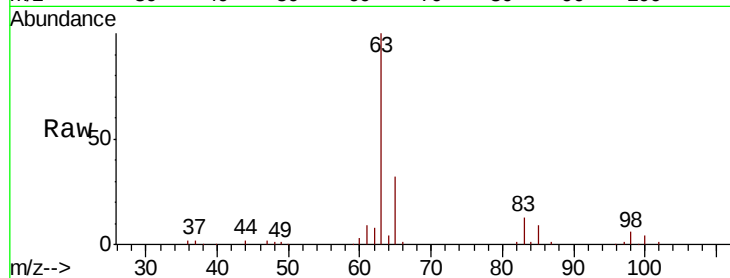
Tot Ion: 63 Resp: 86394

Ion Ratio Lower Upper

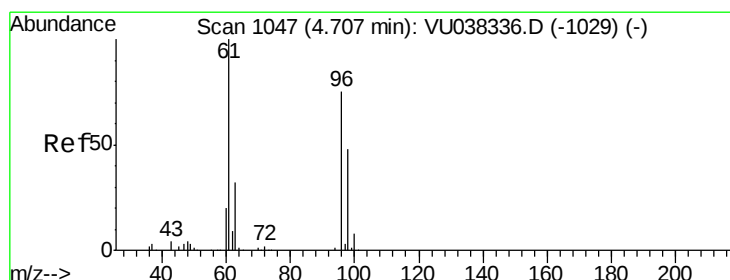
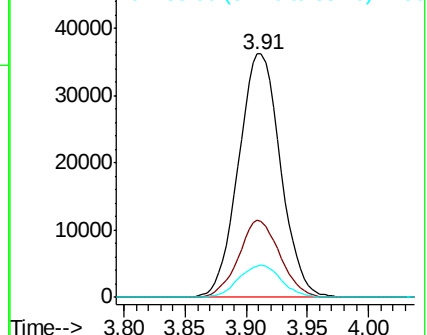
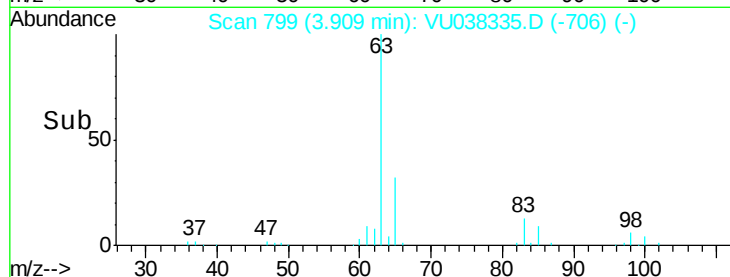
63 100

65 31.8 22.2 41.2

83 13.0 9.4 17.4



Abundance Ion 63.00 (62.70 to 63.70): VU038335.D (-706) (-)



#20

cis-1,2-Dichloroethene

Concen: 10.181 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

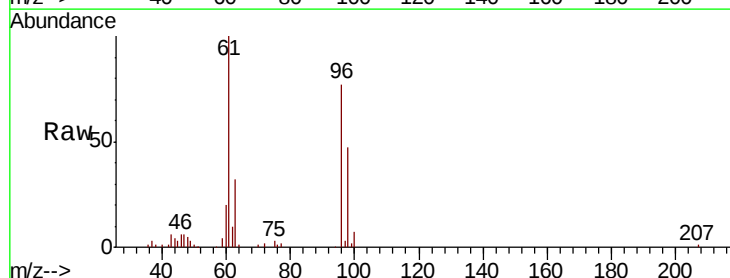
Tgt Ion: 96 Resp: 48633

Ion Ratio Lower Upper

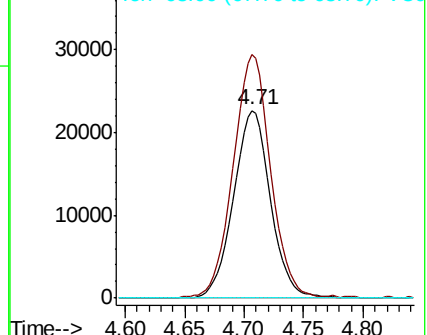
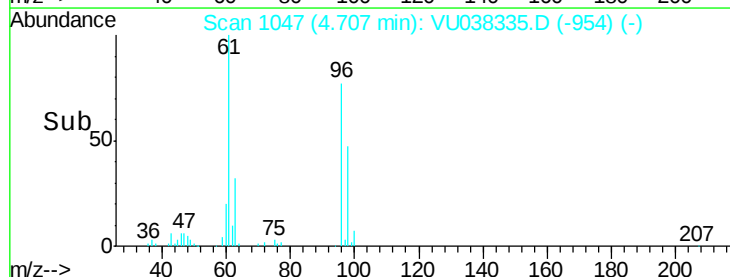
96 100

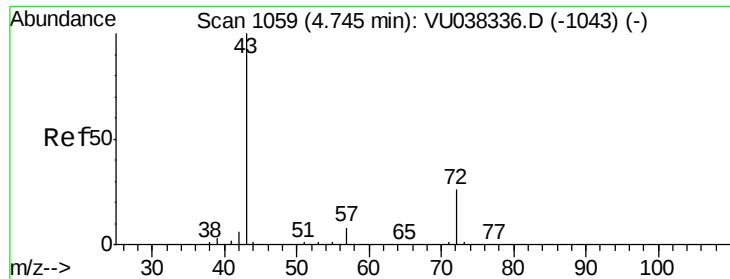
61 129.6 93.4 173.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038335.D (-954) (-)





#22

2-Butanone

Concen: 20.986 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

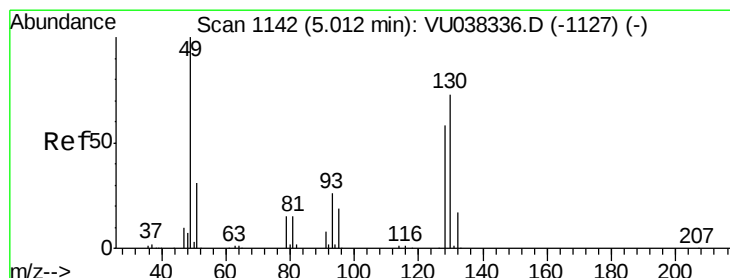
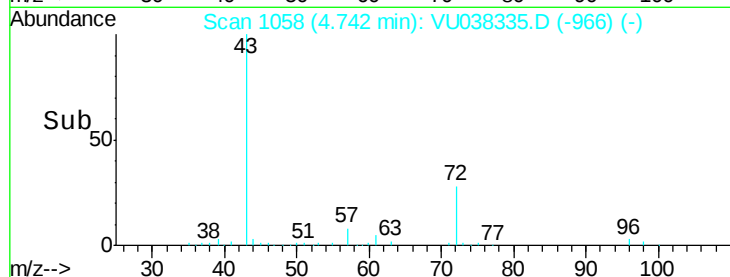
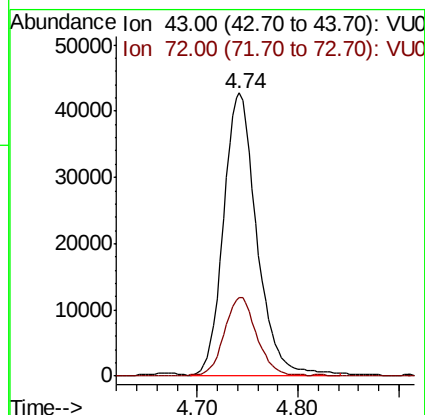
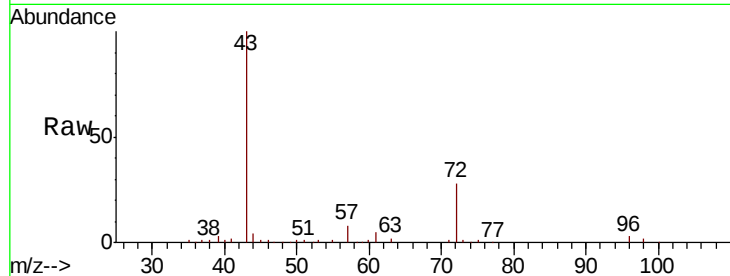
VSTD01036

Tot Ion: 43 Resp: 97637

Ion Ratio Lower Upper

43 100

72 27.3 13.8 41.3



#23

Bromochloromethane

Concen: 10.347 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Tgt Ion: 128 Resp: 24471

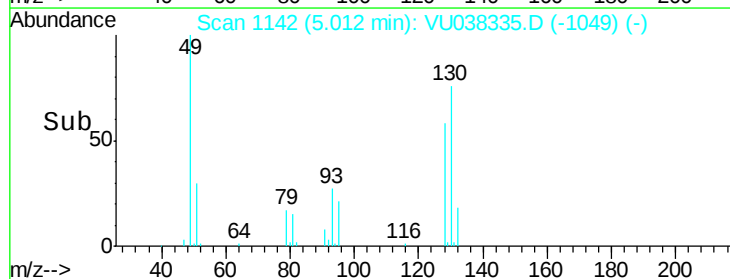
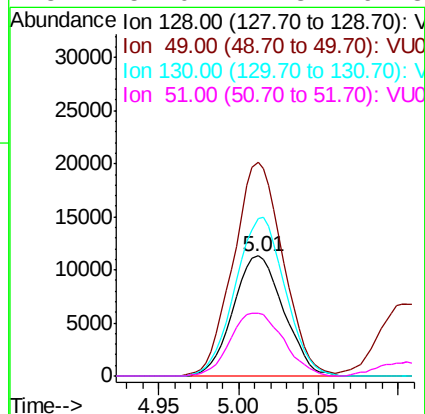
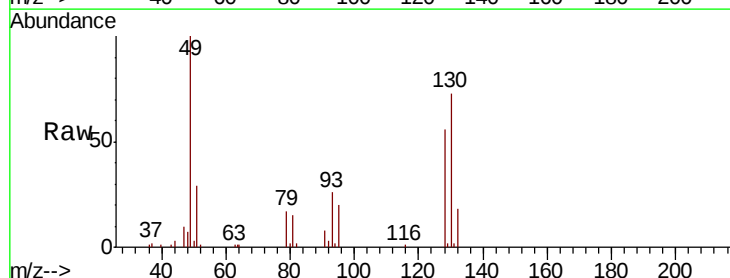
Ion Ratio Lower Upper

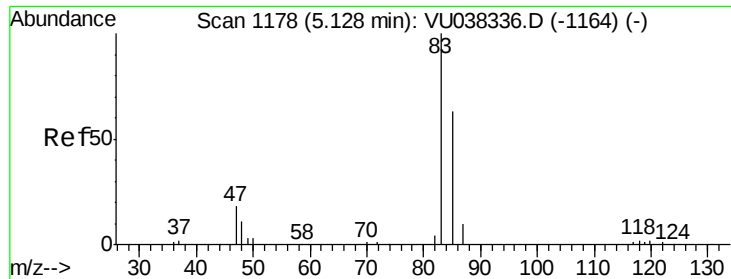
128 100

49 178.0 120.1 223.1

130 130.8 88.1 163.5

51 52.0 41.8 62.8

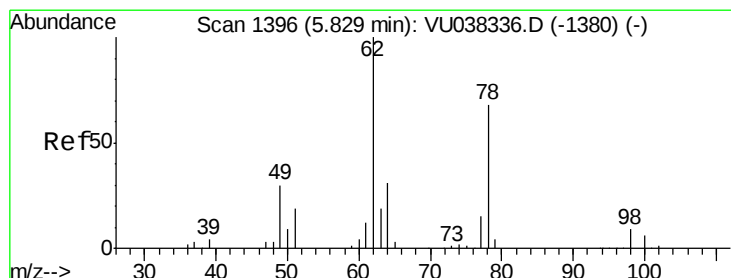
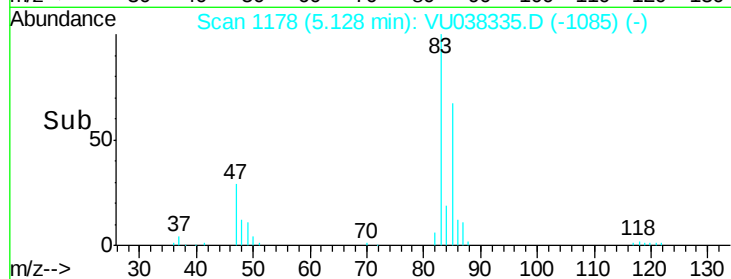
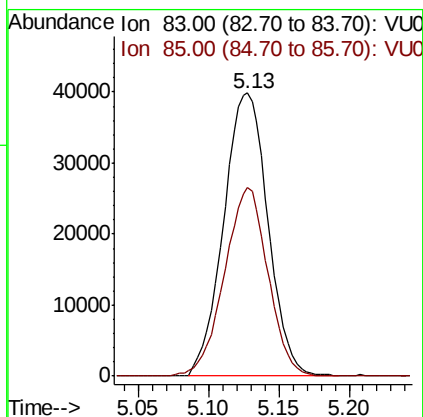
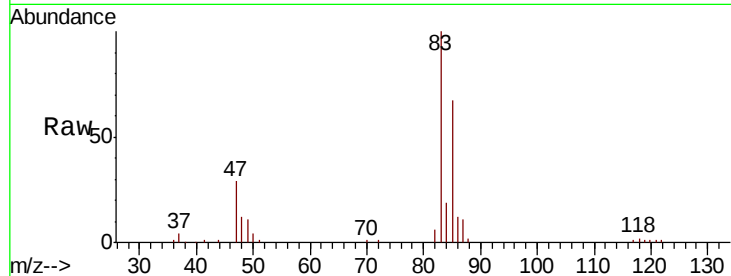




#25
Chloroform
Concen: 10.309 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

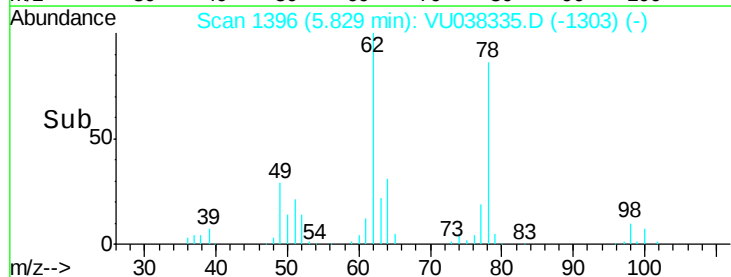
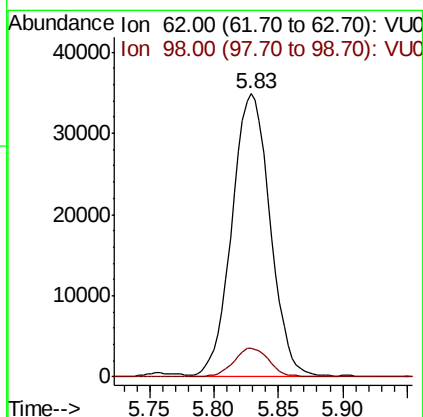
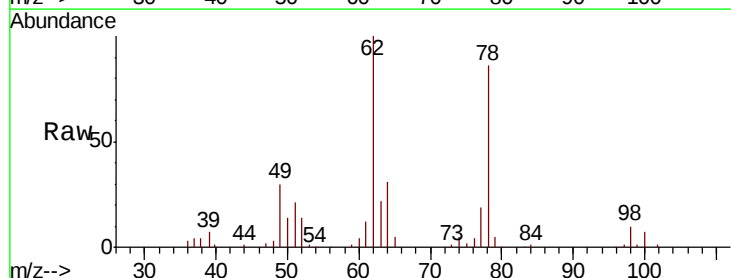
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

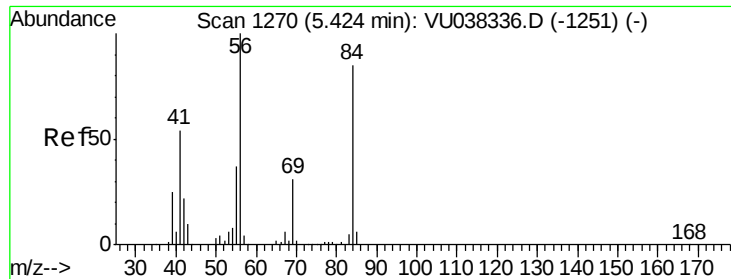
Tot Ion: 83 Resp: 87545
Ion Ratio Lower Upper
83 100
85 66.6 44.9 83.5



#27
1,2-Dichloroethane
Concen: 10.483 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion: 62 Resp: 72082
Ion Ratio Lower Upper
62 100
98 10.2 7.5 11.3

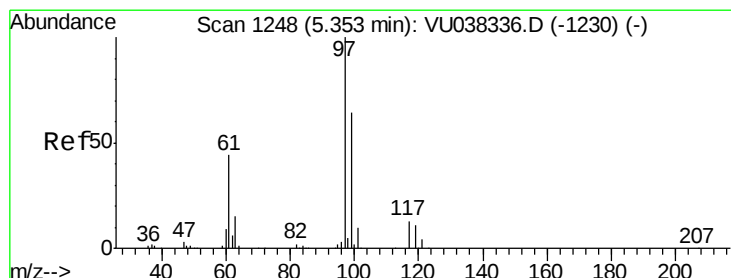
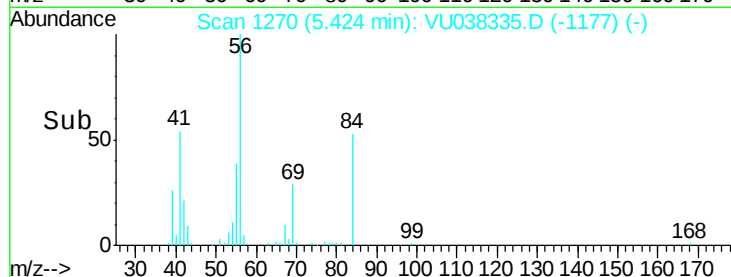
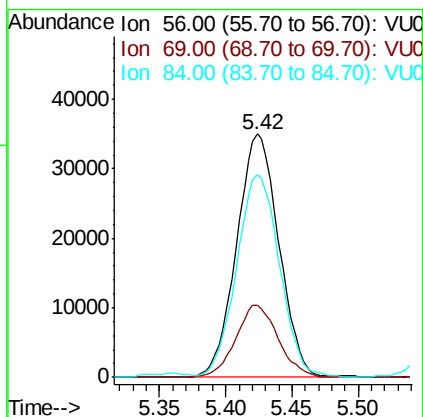
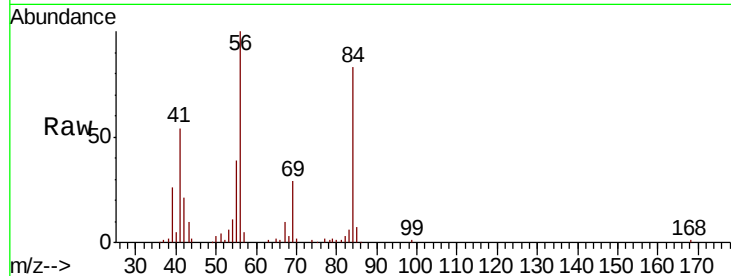




#29
Cyclohexane
Concen: 10.383 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

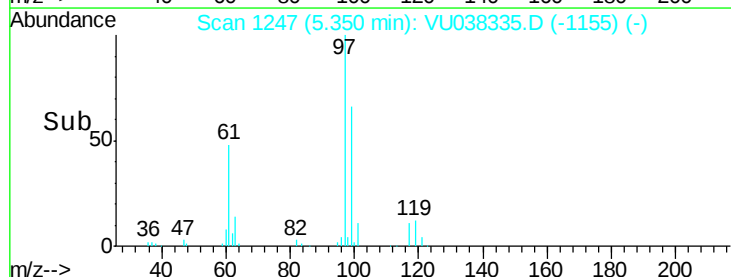
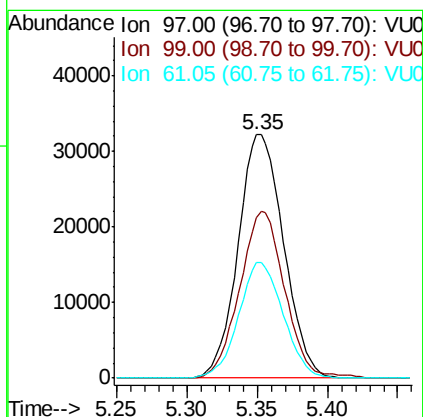
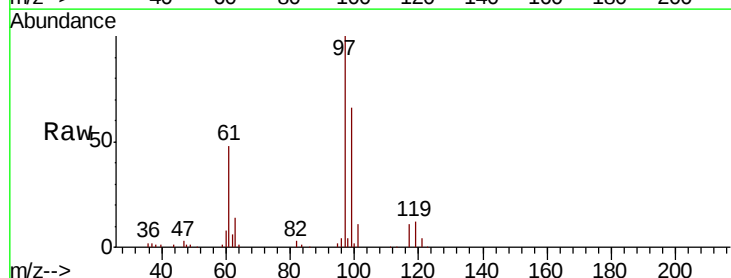
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

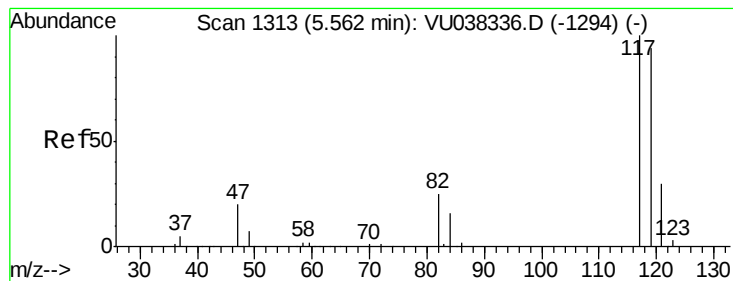
Tot Ion: 56 Resp: 77437
Ion Ratio Lower Upper
56 100
69 29.8 24.7 37.1
84 85.0 68.2 102.4



#30
1,1,1-Trichloroethane
Concen: 10.287 ug/L
RT: 5.35 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion: 97 Resp: 72758
Ion Ratio Lower Upper
97 100
99 67.7 51.2 76.8
61 46.5 35.9 53.9





#31

Carbon tetrachloride

Concen: 10.356 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

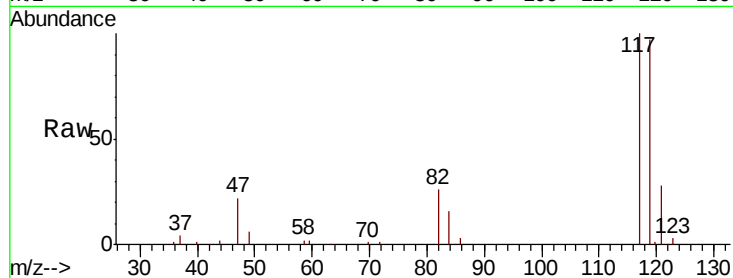
VSTD01036

Tot Ion:117 Resp: 61051

Ion Ratio Lower Upper

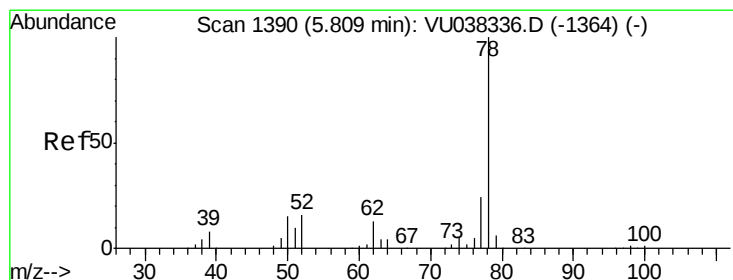
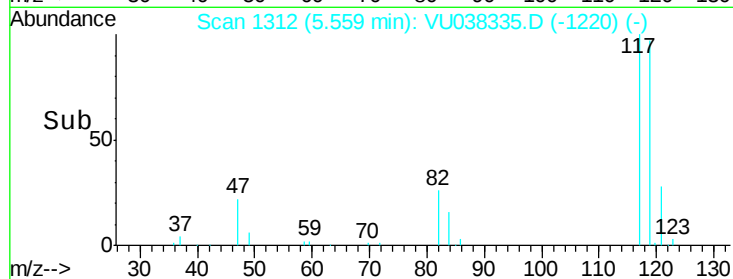
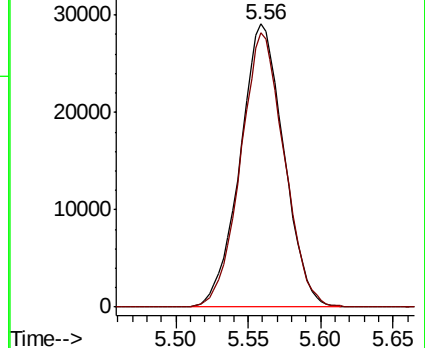
117 100

119 96.3 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 10.494 ug/L

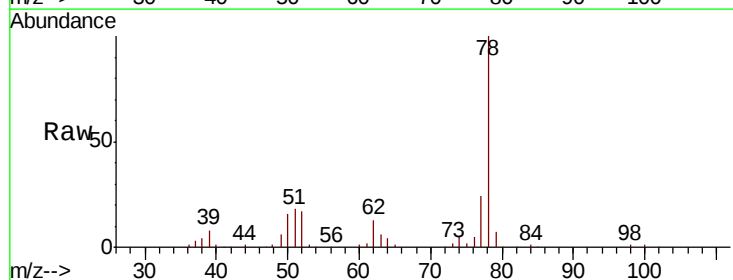
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

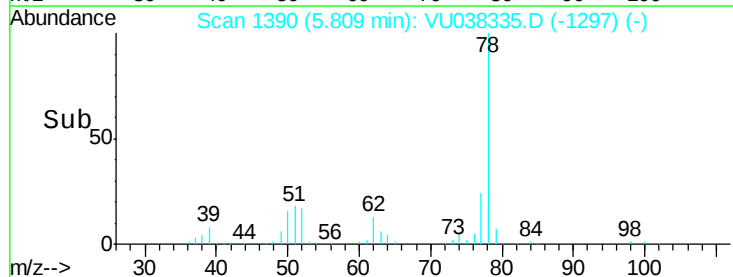
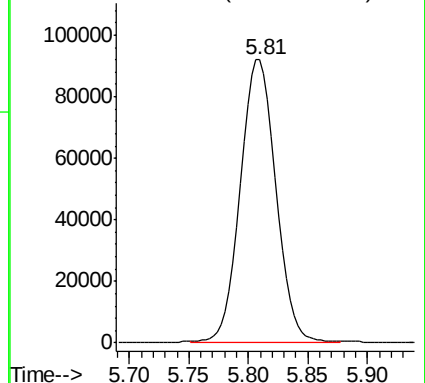
Lab File: VU038335.D

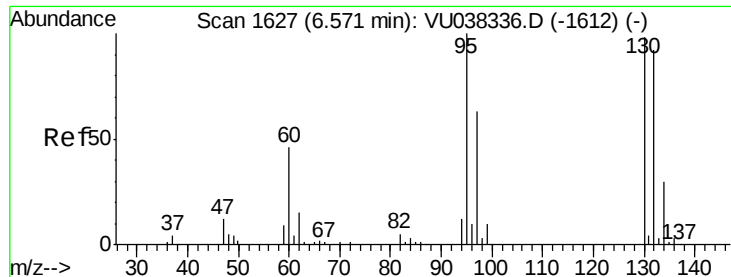
Acq: 28 May 2020 09:45

Tgt Ion: 78 Resp: 191721



Abundance Ion 78.00 (77.70 to 78.70): VU0

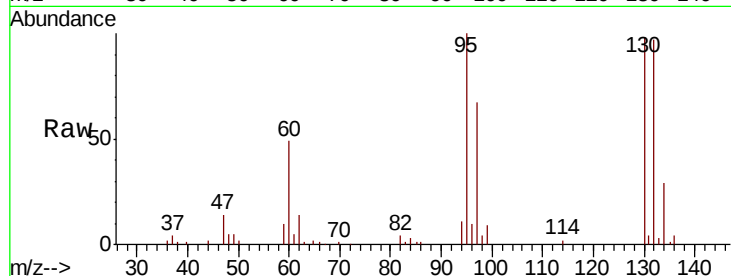




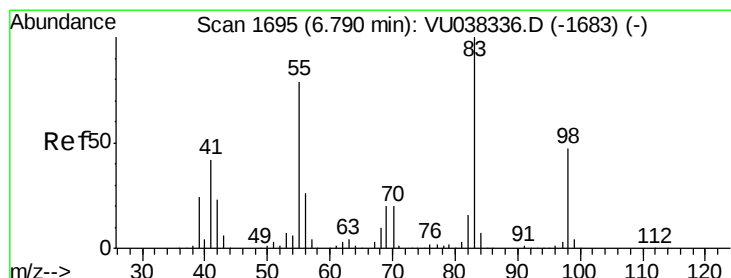
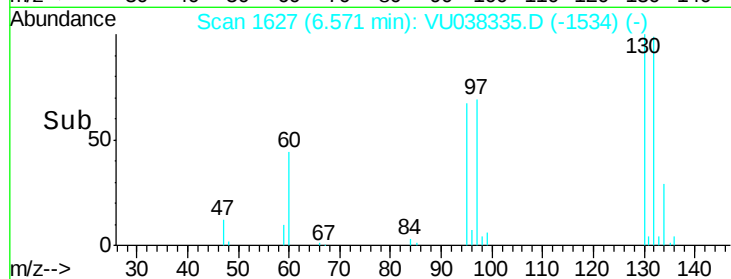
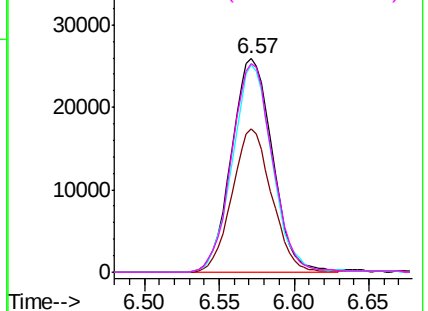
#34
 Trichloroethene
 Concen: 10.590 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038335.D
 Acq: 28 May 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Tot Ion: 95 Resp: 49500
 Ion Ratio Lower Upper
 95 100
 97 67.2 44.3 82.3
 132 97.3 64.7 120.1
 130 97.9 68.5 127.1

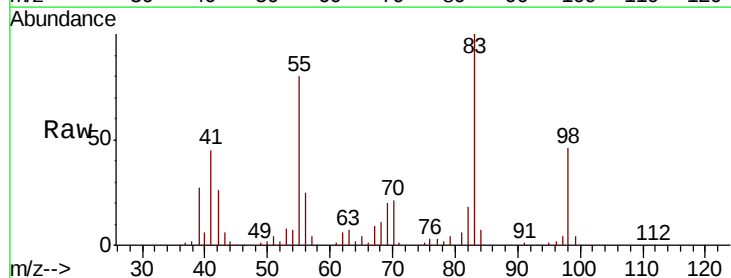


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

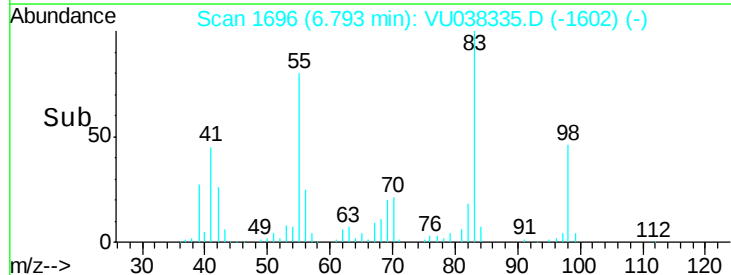
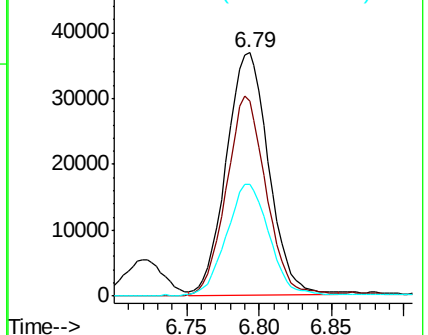


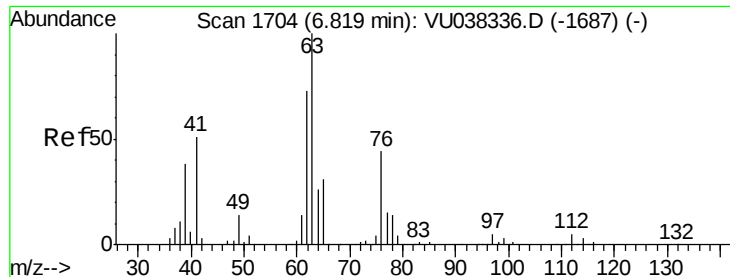
#35
 Methylcyclohexane
 Concen: 10.173 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038335.D
 Acq: 28 May 2020 09:45

Tgt Ion: 83 Resp: 74652
 Ion Ratio Lower Upper
 83 100
 55 78.3 63.0 94.4
 98 47.1 38.6 57.8



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: 10.229 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

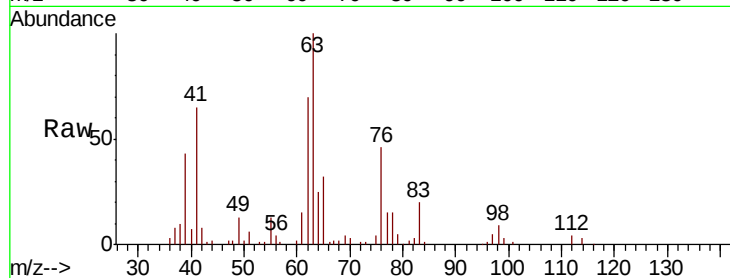
VSTD01036

Tot Ion: 63 Resp: 48466

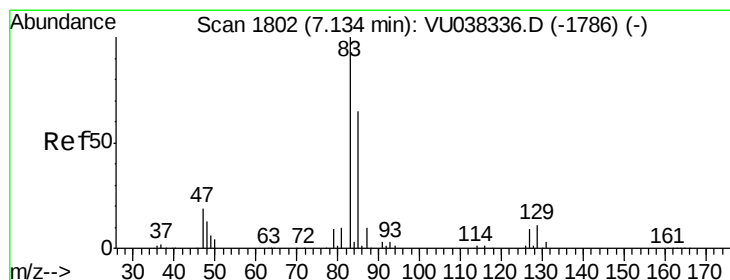
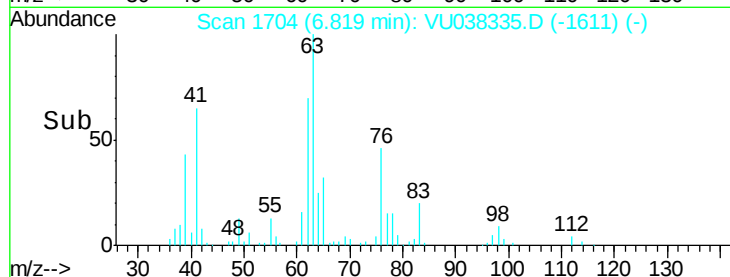
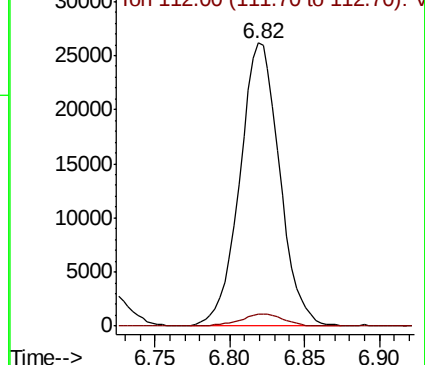
Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VU038335.D (-1611) (-)



#38

Bromodichloromethane

Concen: 10.077 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

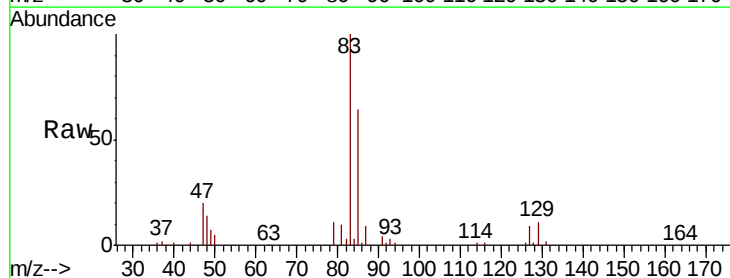
Tgt Ion: 83 Resp: 61187

Ion Ratio Lower Upper

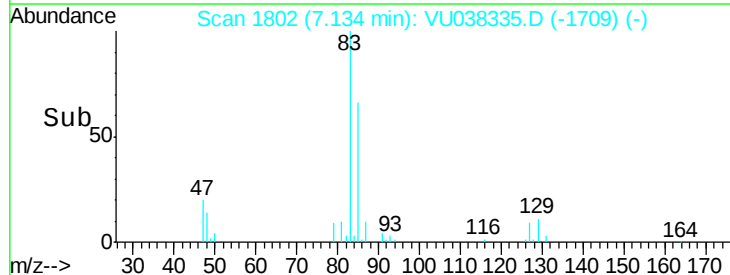
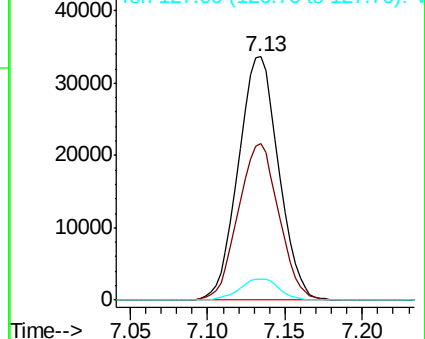
83 100

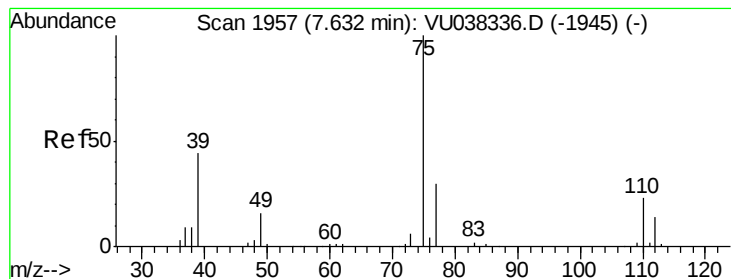
85 64.3 45.5 84.5

127 8.5 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VU038335.D (-1709) (-)



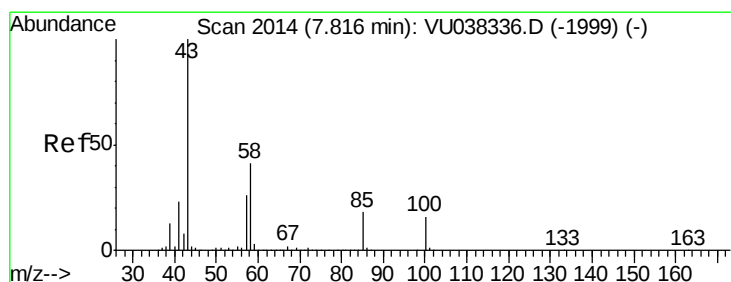
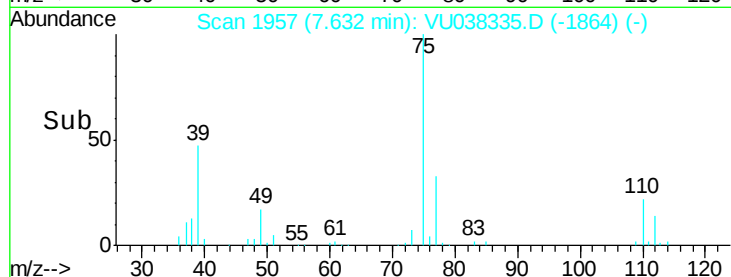
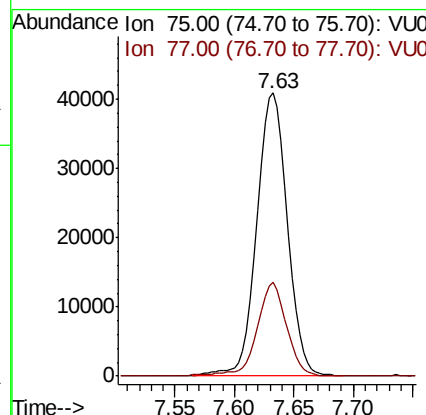
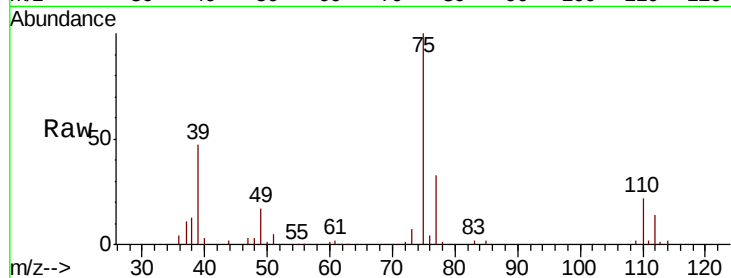


#39

cis-1,3-Dichloropropene
Concen: 9.692 ug/L
RT: 7.63 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

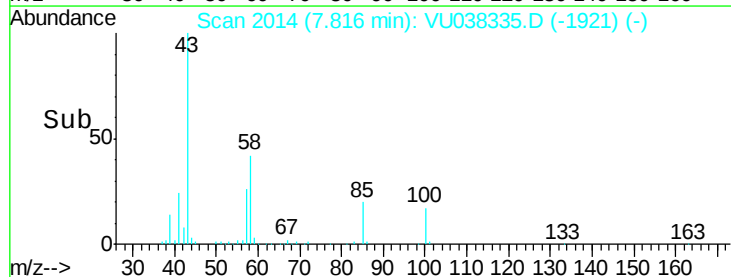
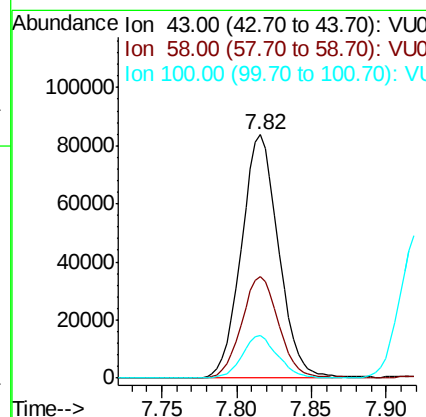
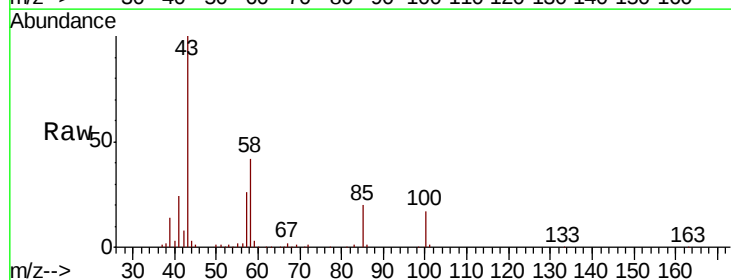
Tot Ion: 75 Resp: 73073
Ion Ratio Lower Upper
75 100
77 33.1 21.6 40.0

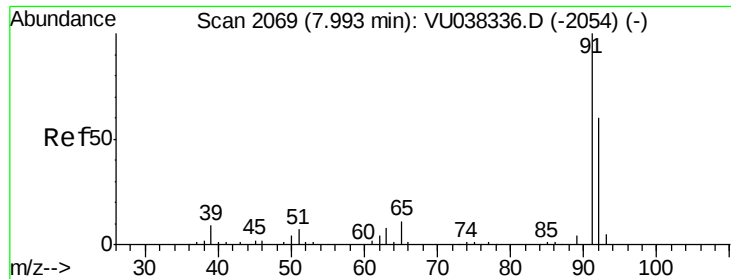


#40

4-Methyl-2-pentanone
Concen: 19.269 ug/L
RT: 7.82 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion: 43 Resp: 145195
Ion Ratio Lower Upper
43 100
58 41.5 32.6 48.8
100 16.8 12.9 19.3





#42

Toluene

Concen: 10.272 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

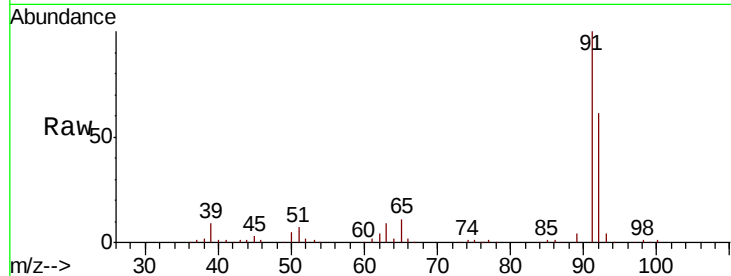
VSTD01036

Tot Ion: 91 Resp: 197020

Ion Ratio Lower Upper

91 100

92 60.7 42.0 78.0



Abundance Ion 91.00 (90.70 to 91.70): VU038336.D (-2054) (-)

Ion 92.00 (91.70 to 92.70): VU038336.D (-2054) (-)

7.99

120000

100000

80000

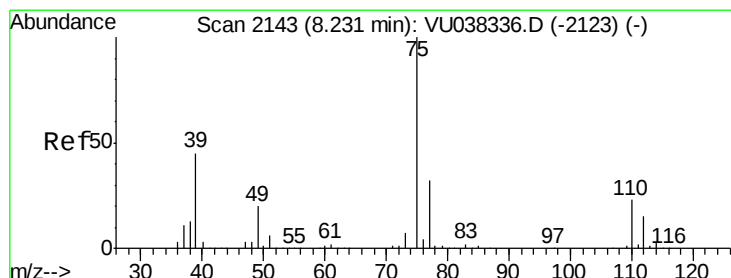
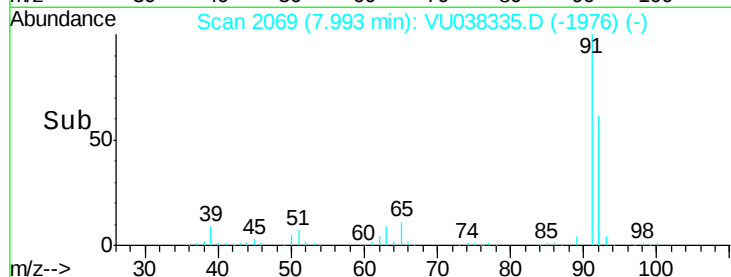
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#44

trans-1,3-Dichloropropene

Concen: 9.540 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038335.D

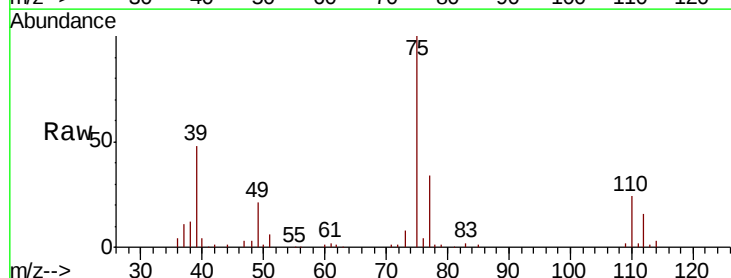
Acq: 28 May 2020 09:45

Tgt Ion: 75 Resp: 67330

Ion Ratio Lower Upper

75 100

77 33.6 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU038336.D (-2123) (-)

Ion 77.00 (76.70 to 77.70): VU038336.D (-2123) (-)

8.23

40000

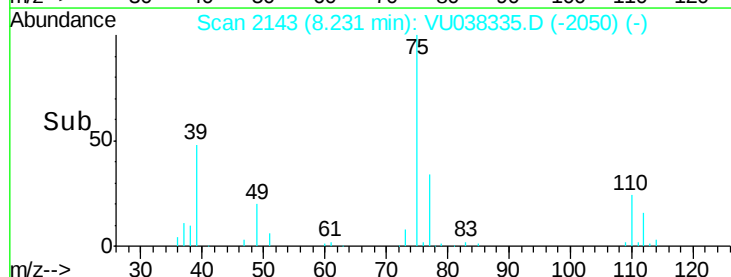
30000

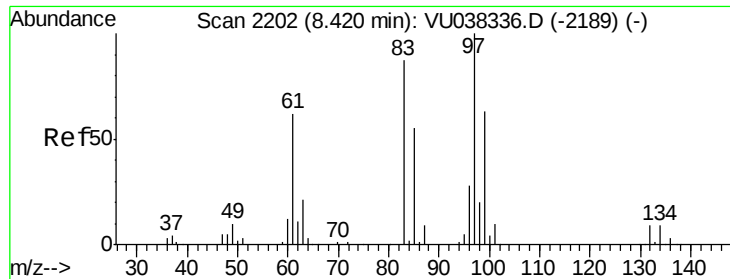
20000

10000

0

Time--> 8.15 8.20 8.25 8.30

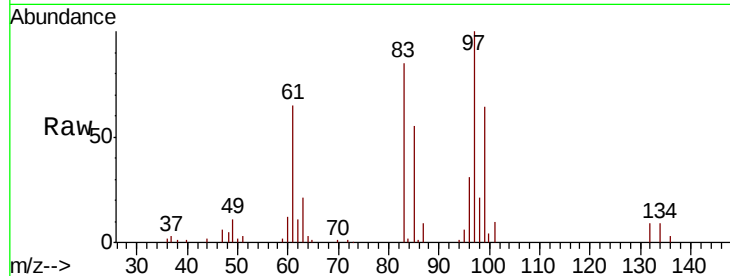




#45
1,1,2-Trichloroethane
Concen: 10.184 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

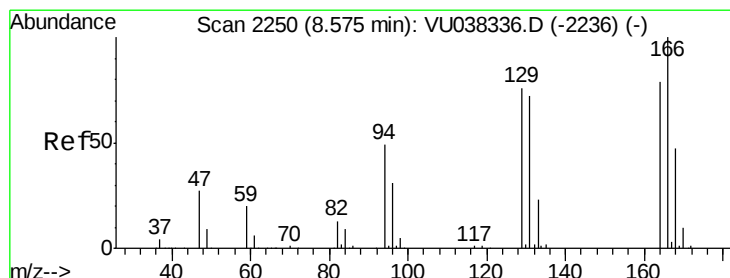
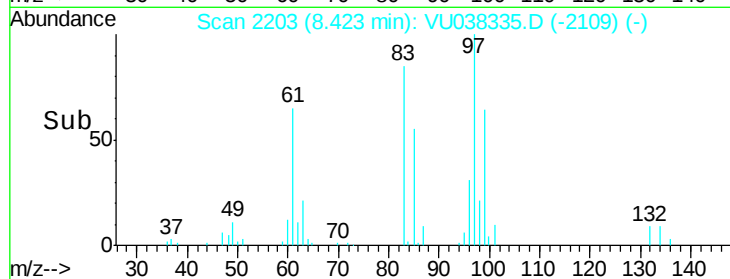
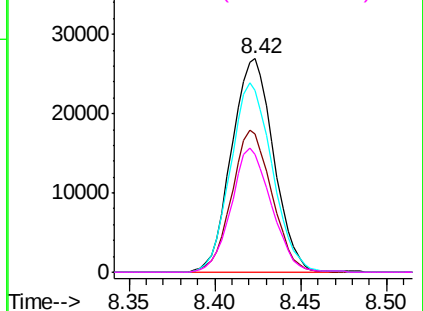
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

Tot Ion:	97	Resp:	45787
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.0	81.8
83	85.3	60.8	113.0
85	55.2	38.1	70.9



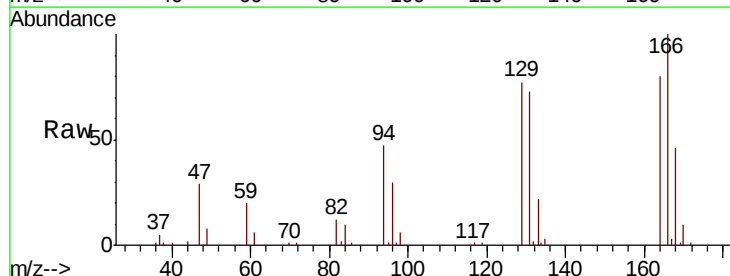
Abundance

Ion 97.00 (96.70 to 97.70): VU038335.D (-2109) (-)



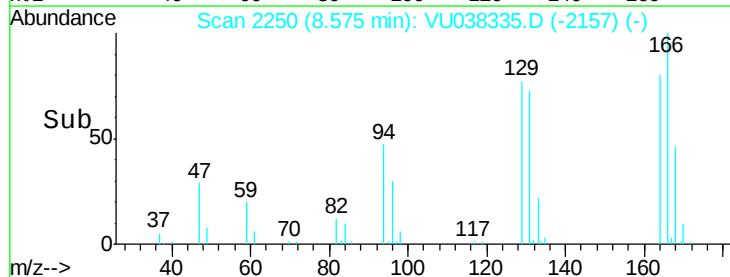
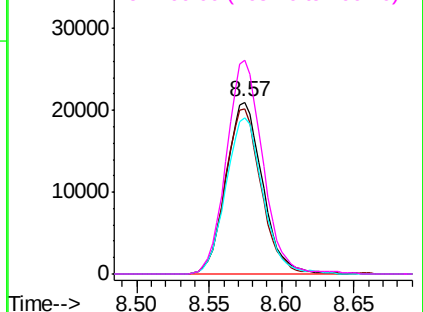
#46
Tetrachloroethene
Concen: 10.724 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

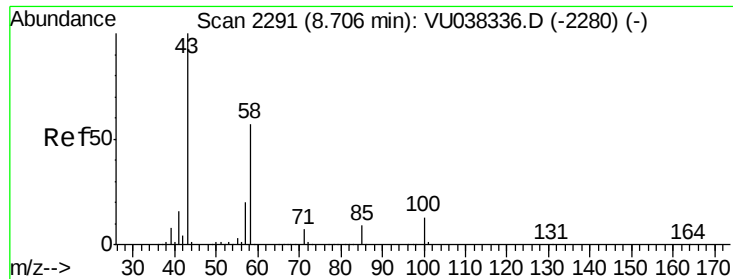
Tgt Ion:	164	Resp:	36647
Ion	Ratio	Lower	Upper
164	100		
129	95.8	67.2	124.8
131	91.1	63.4	117.8
166	124.3	88.5	164.4



Abundance

Ion 164.00 (163.70 to 164.70): VU038335.D (-2157) (-)

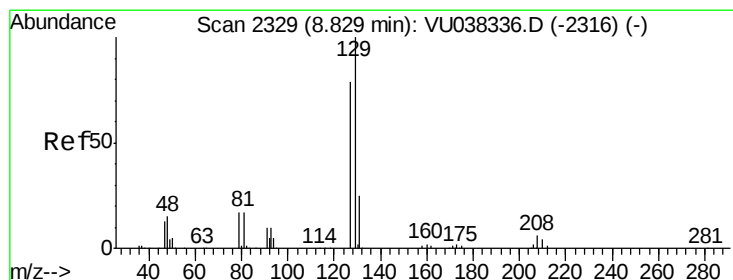
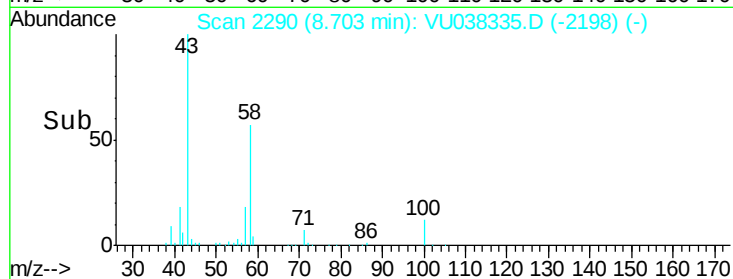
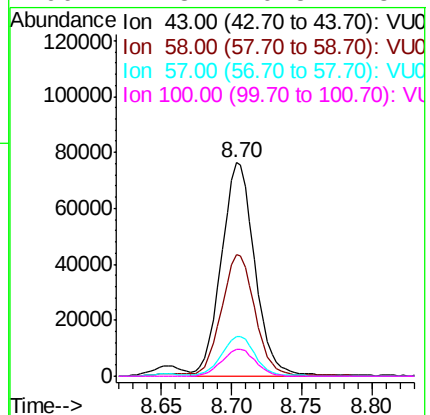
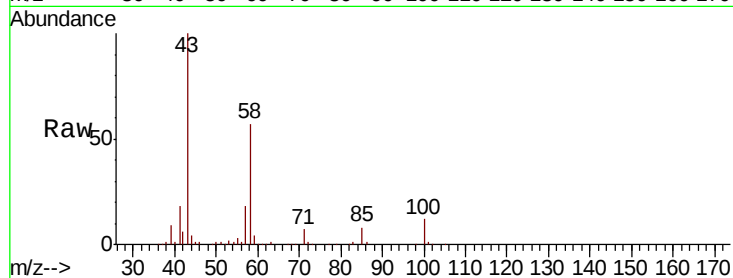




#48
2-Hexanone
Concen: 19.765 ug/L
RT: 8.70 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

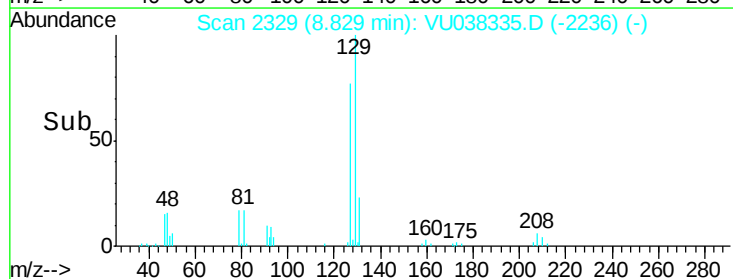
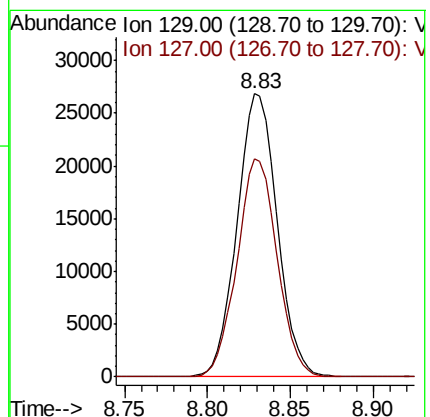
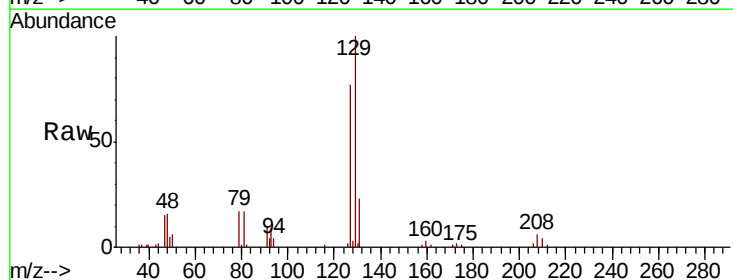
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

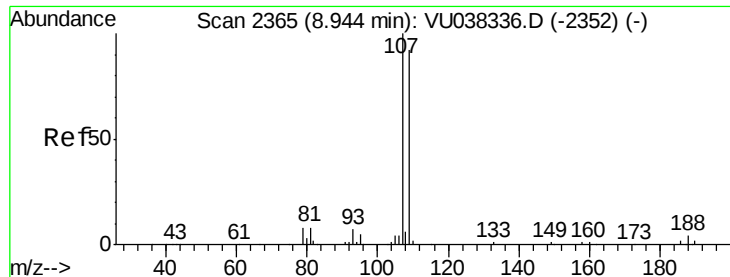
Tot Ion:	43	Resp:	125743
Ion	Ratio	Lower	Upper
43	100		
58	56.6	45.5	68.3
57	18.9	16.3	24.5
100	12.8	10.5	15.7



#49
Dibromochloromethane
Concen: 9.913 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion:	129	Resp:	45127
Ion	Ratio	Lower	Upper
129	100		
127	77.1	55.2	102.6

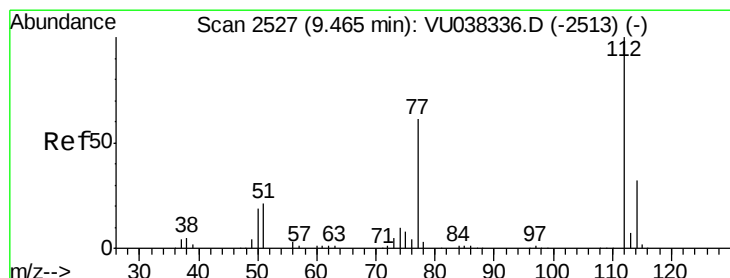
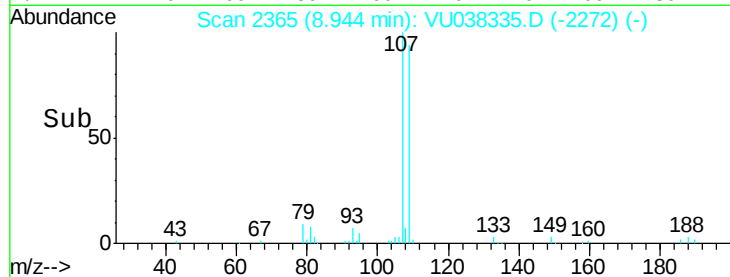
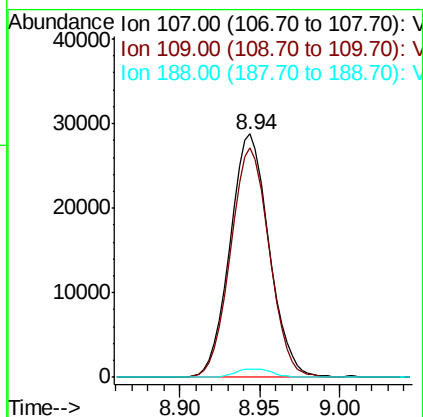
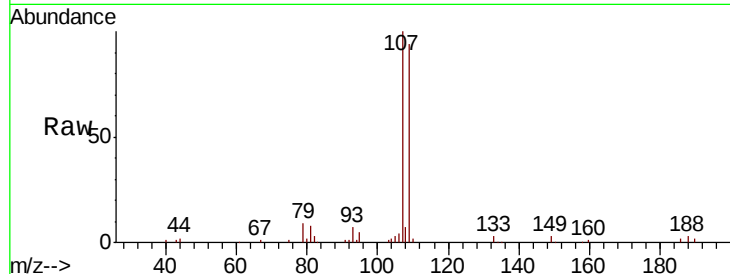




#50
1,2-Dibromoethane
Concen: 9.946 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

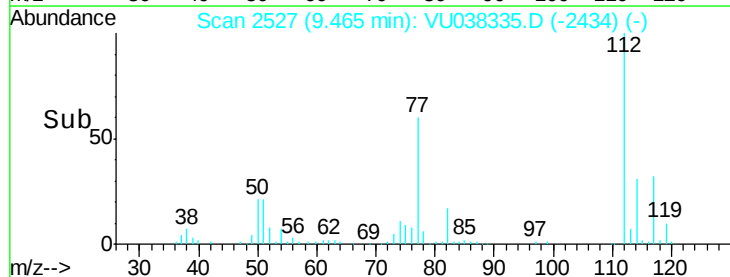
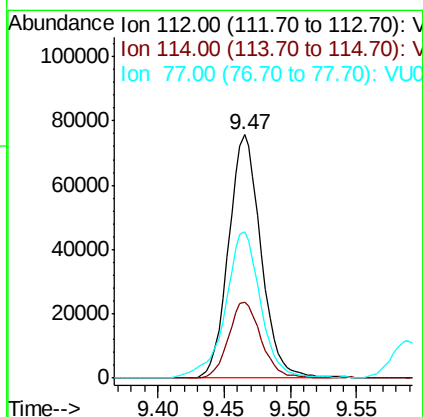
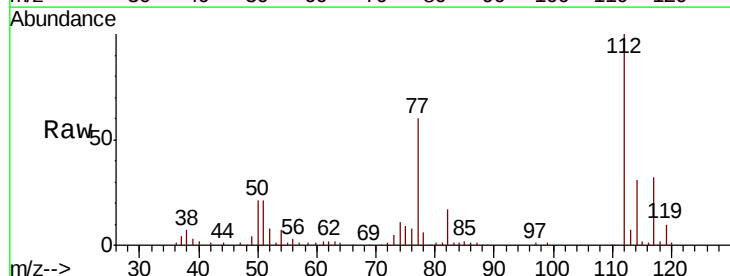
Instrument :
MSVOA_U
ClientSampleId :
VSTD01036

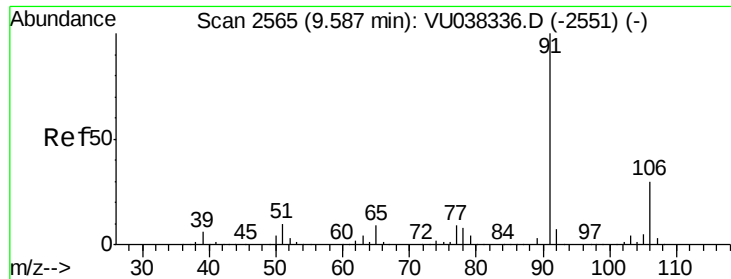
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	64.3	119.5
188	3.5	2.8	4.2



#51
Chlorobenzene
Concen: 10.428 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU038335.D
Acq: 28 May 2020 09:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.6	42.0
77	60.0	48.8	73.2





#52

Ethylbenzene

Concen: 10.071 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

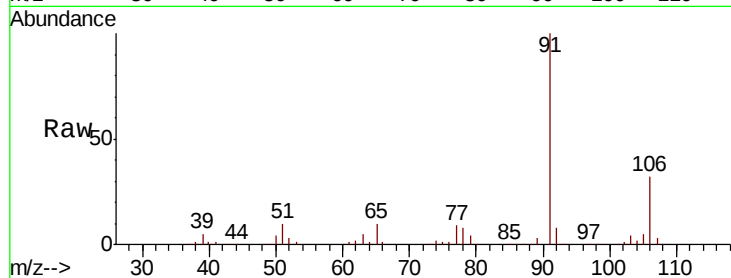
VSTD01036

Tot Ion: 91 Resp: 216424

Ion Ratio Lower Upper

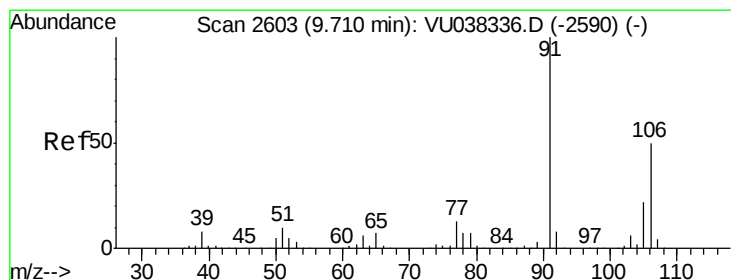
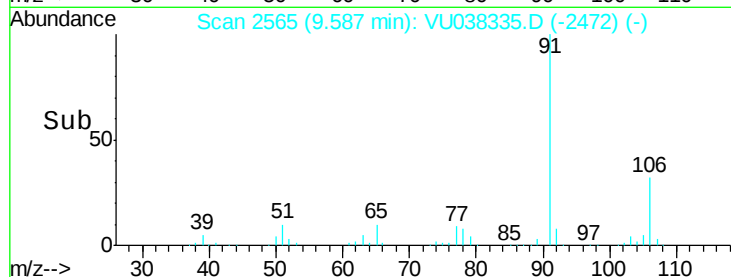
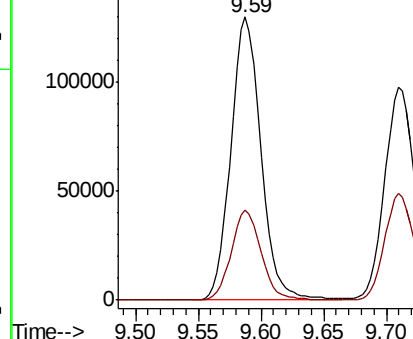
91 100

106 31.7 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VU038335.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU038335.D (-2551) (-)



#53

m,p-Xylene

Concen: 10.146 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038335.D

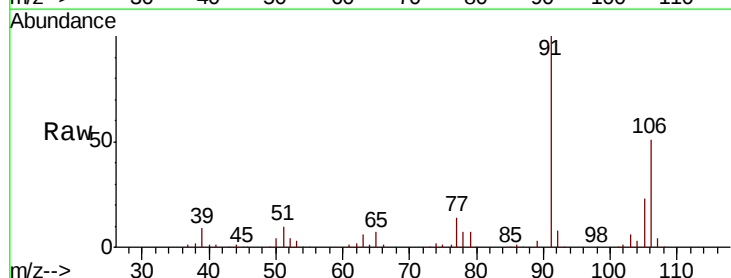
Acq: 28 May 2020 09:45

Tgt Ion: 106 Resp: 83385

Ion Ratio Lower Upper

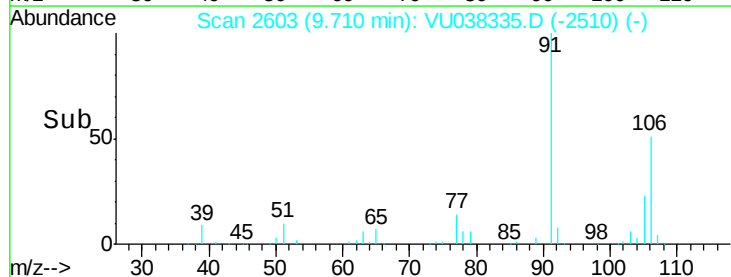
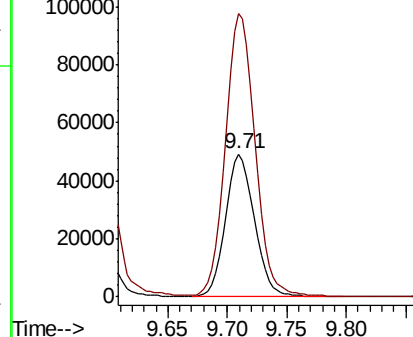
106 100

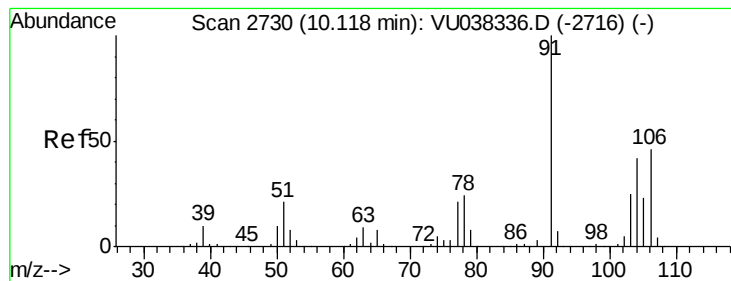
91 198.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): VU038335.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU038335.D (-2590) (-)





#54

o-xylene

Concen: 9.966 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

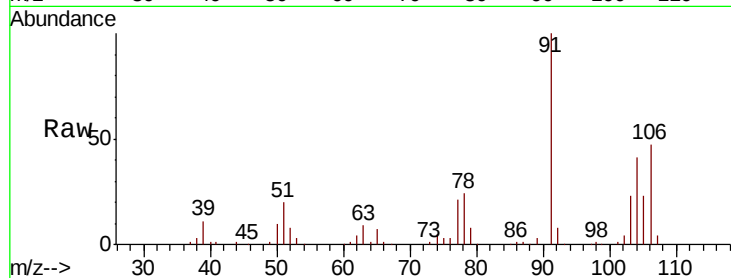
VSTD01036

Tot Ion:106 Resp: 79631

Ion Ratio Lower Upper

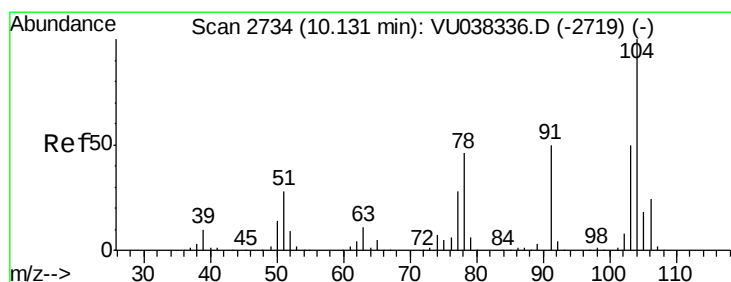
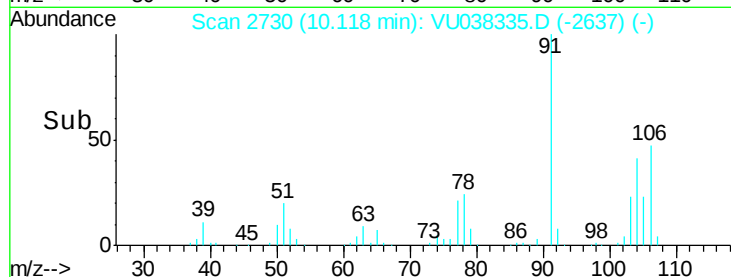
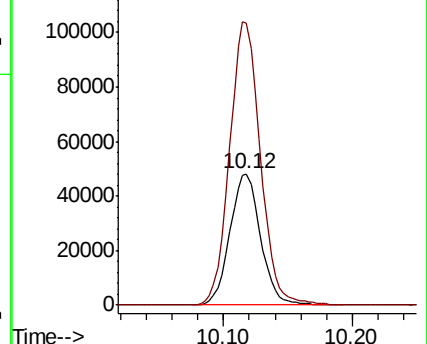
106 100

91 214.2 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 9.954 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038335.D

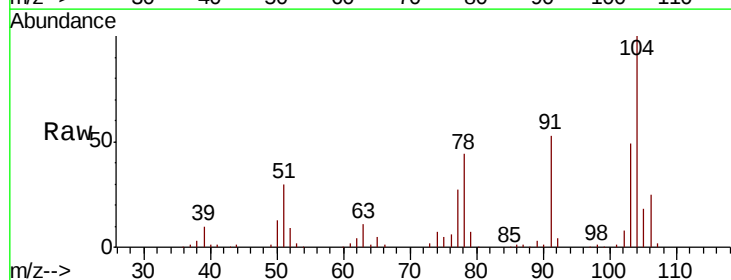
Acq: 28 May 2020 09:45

Tgt Ion:104 Resp: 136690

Ion Ratio Lower Upper

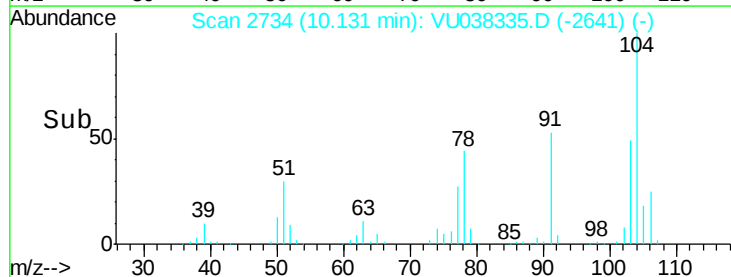
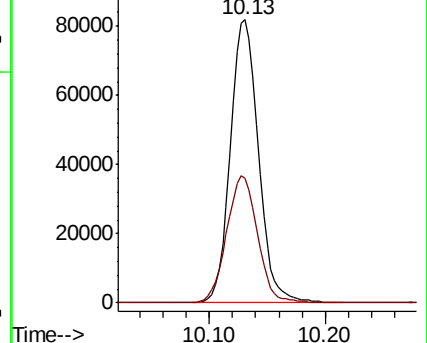
104 100

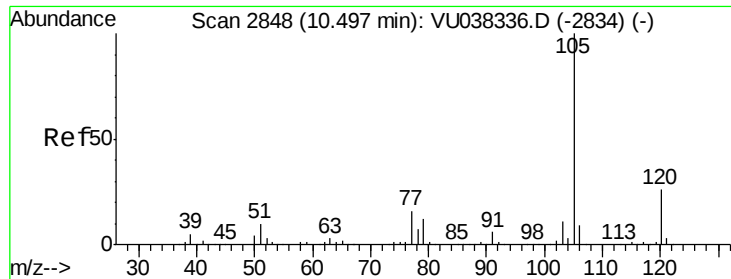
78 44.0 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 10.073 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

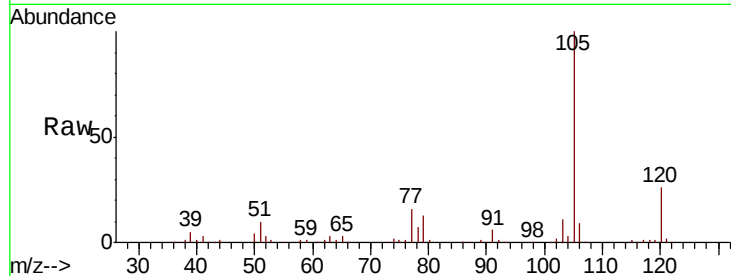
Tot Ion:105 Resp: 210334

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

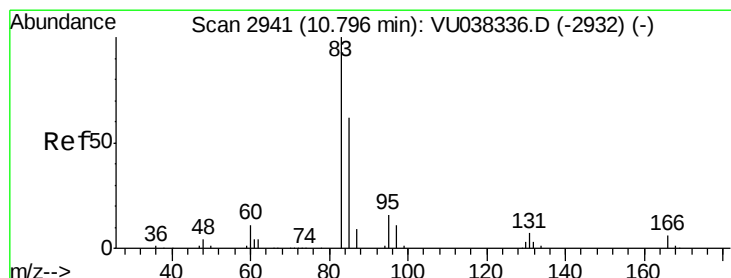
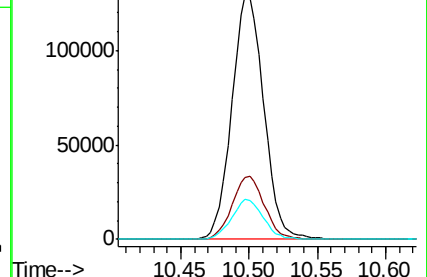
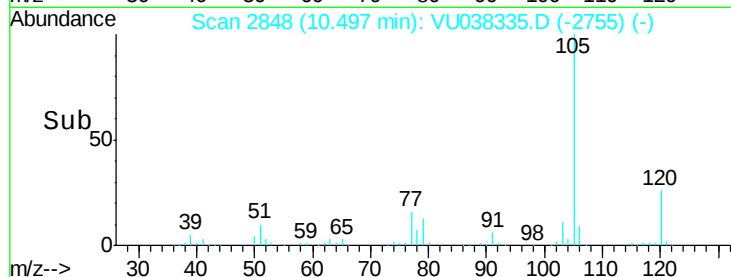
77 16.3 12.8 19.2



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: 9.802 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

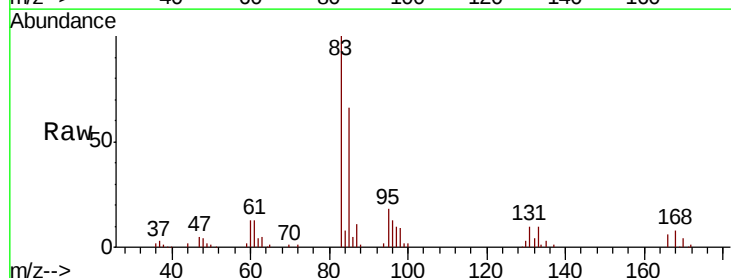
Tgt Ion: 83 Resp: 75418

Ion Ratio Lower Upper

83 100

85 65.6 45.5 84.5

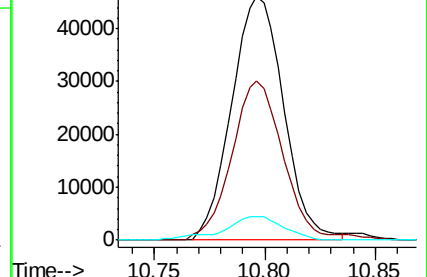
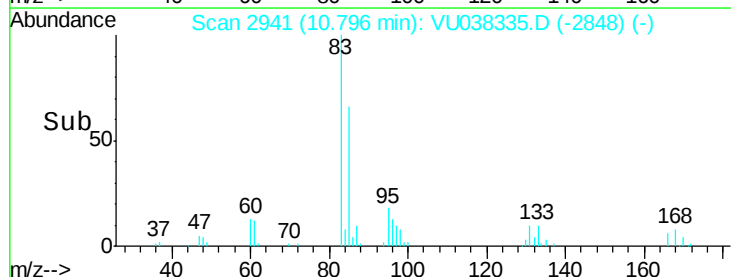
131 9.9 7.3 10.9

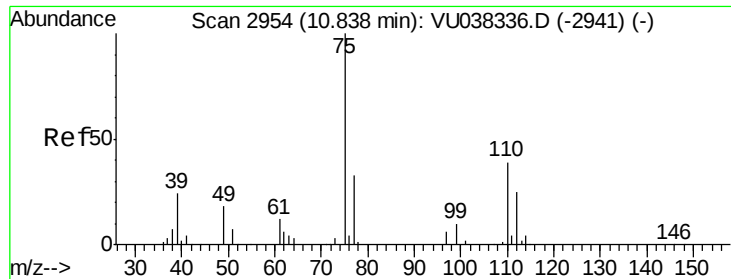


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 10.262 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

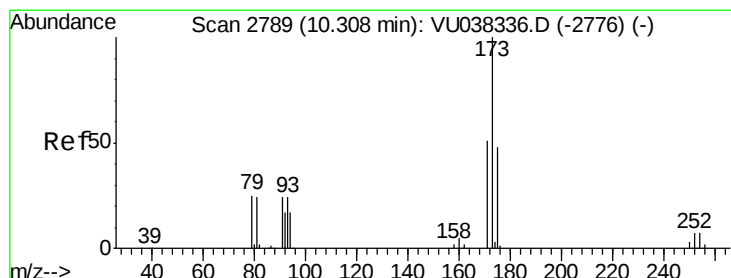
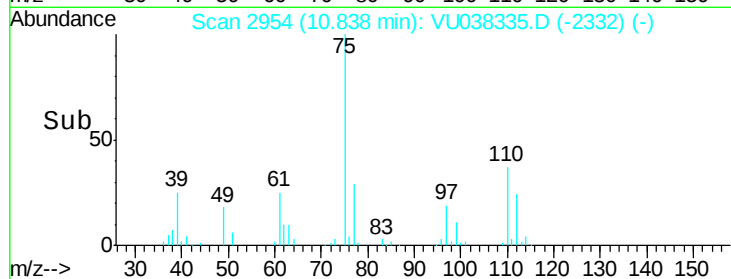
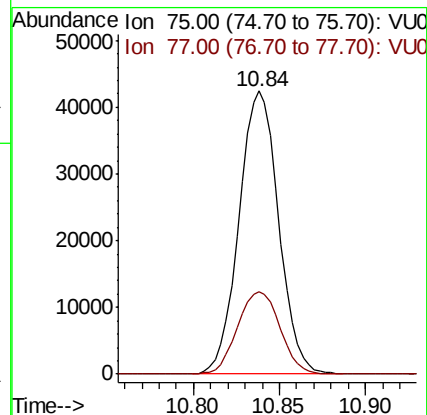
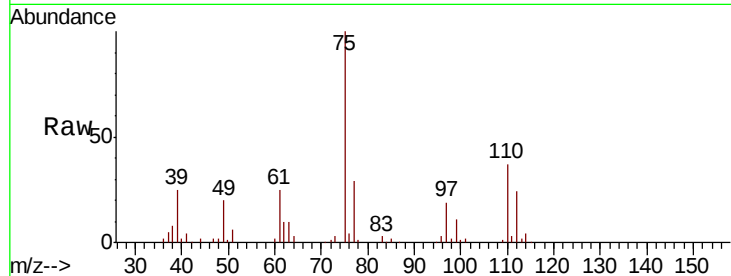
VSTD01036

Tot Ion: 75 Resp: 67990

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8



#61

Bromoform

Concen: 9.609 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

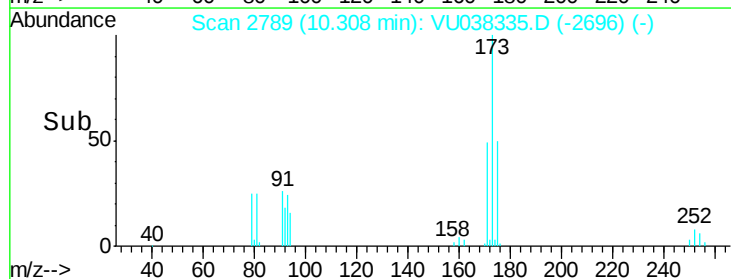
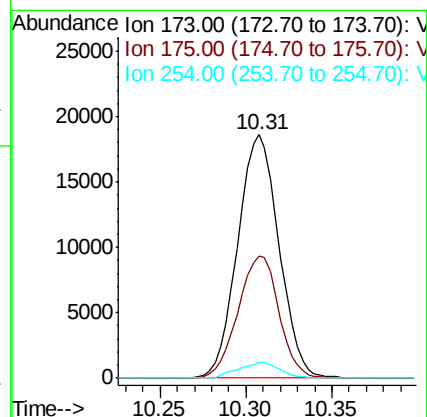
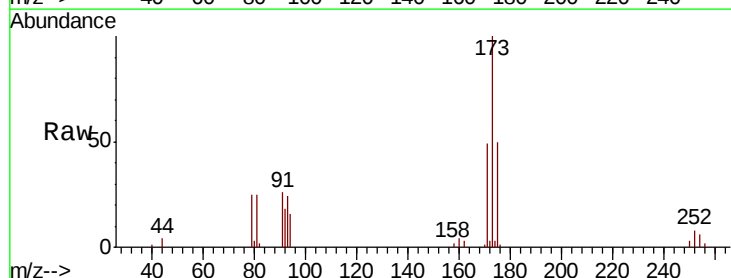
Tgt Ion: 173 Resp: 30992

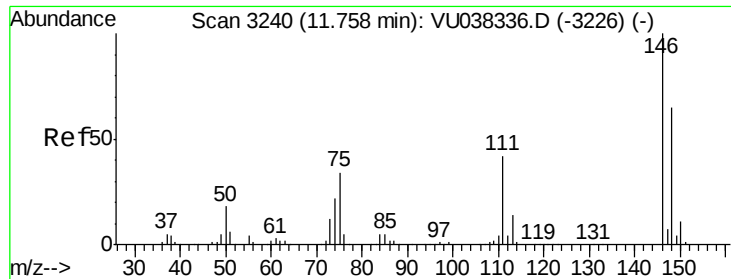
Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

254 6.4 5.3 7.9





#62

1,3-Dichlorobenzene

Concen: 10.435 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

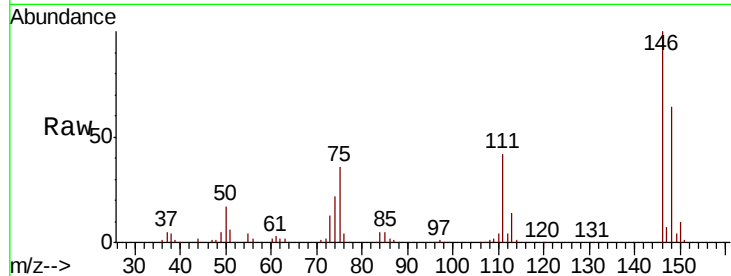
Tot Ion:146 Resp: 97933

Ion Ratio Lower Upper

146 100

111 42.2 29.4 54.6

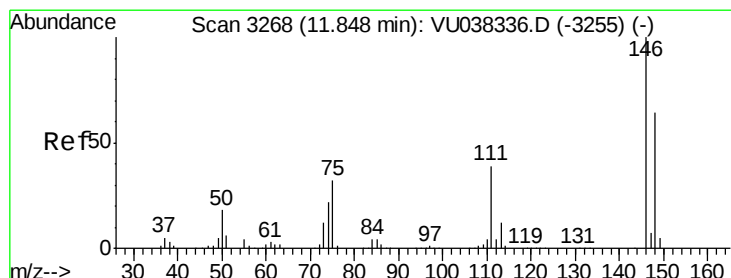
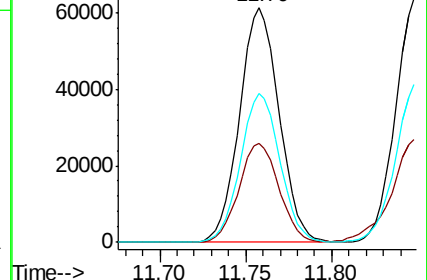
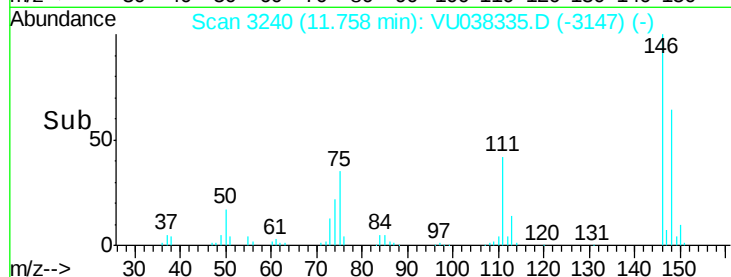
148 63.6 45.8 85.0



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: 10.377 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

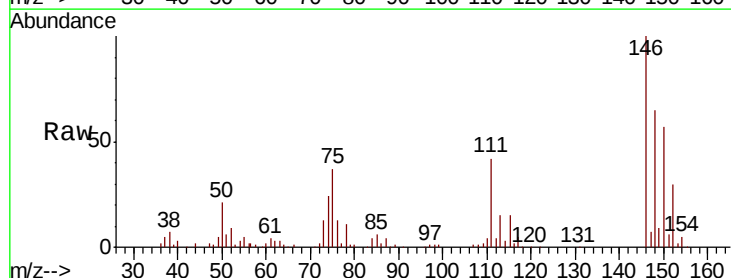
Tgt Ion:146 Resp: 98994

Ion Ratio Lower Upper

146 100

111 42.4 27.7 51.5

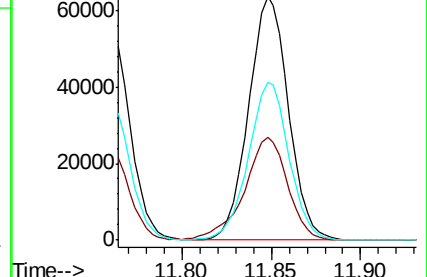
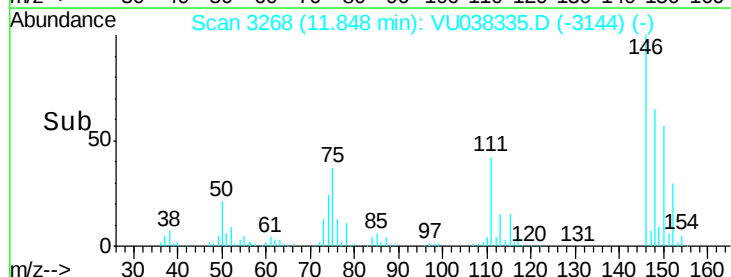
148 64.9 44.7 83.1

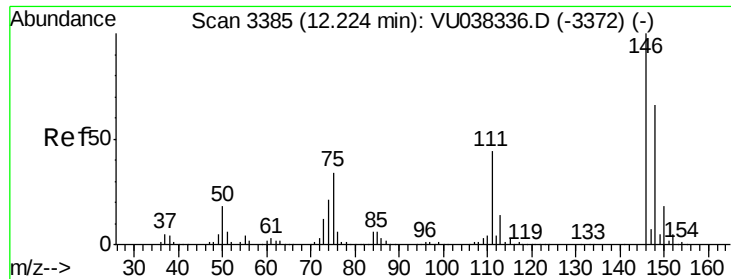


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.566 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

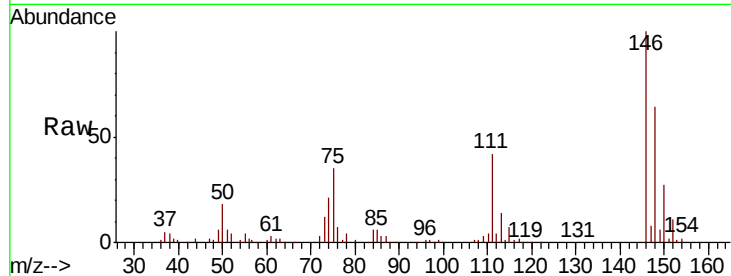
Tot Ion:146 Resp: 98333

Ion Ratio Lower Upper

146 100

111 42.4 35.3 52.9

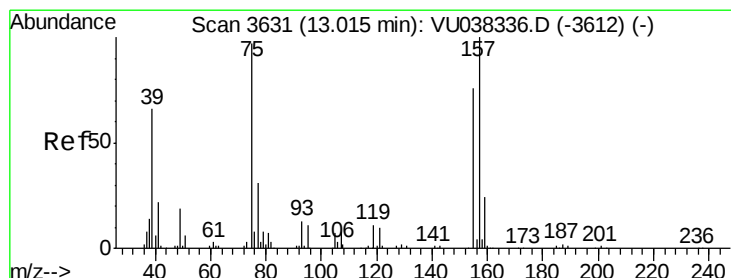
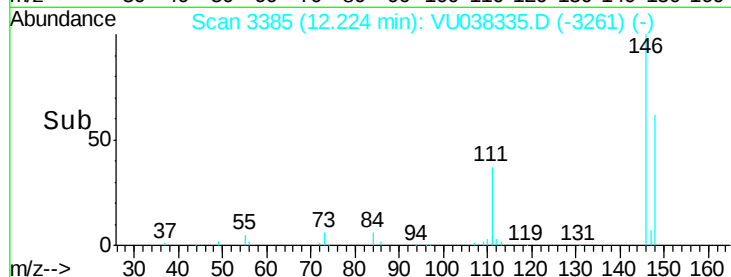
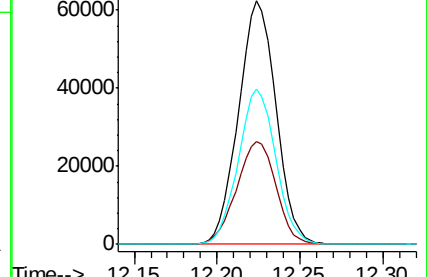
148 63.9 52.5 78.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.001 ug/L

RT: 13.02 min Scan# 3632

Delta R.T. 0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

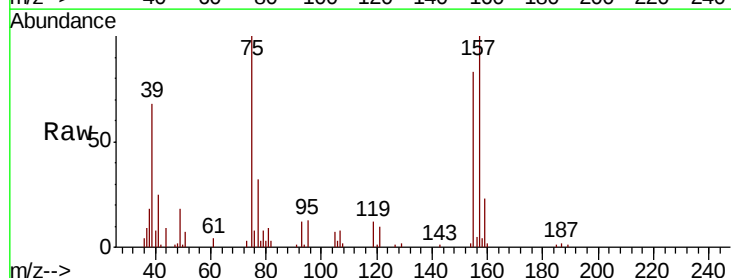
Tgt Ion: 75 Resp: 19055

Ion Ratio Lower Upper

75 100

155 83.5 63.1 94.7

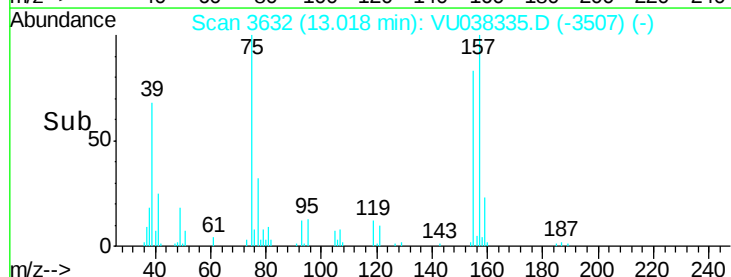
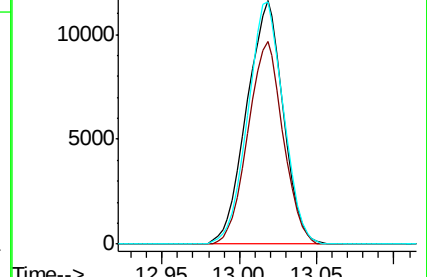
157 99.7 82.7 124.1

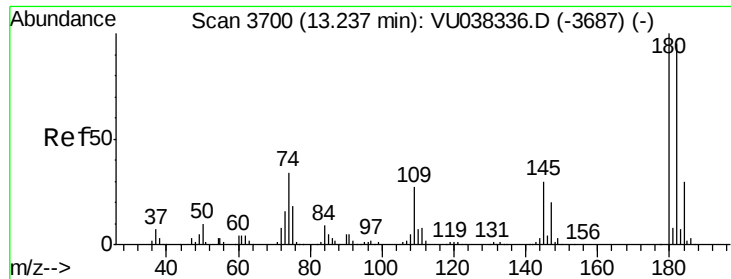


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

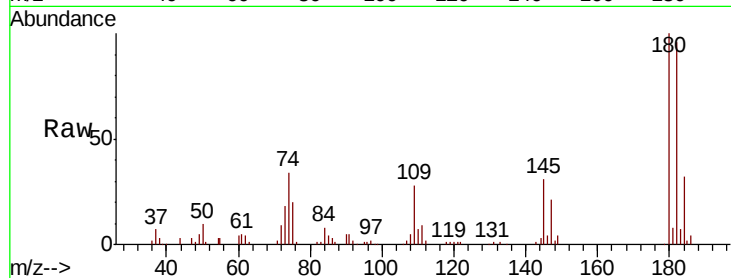




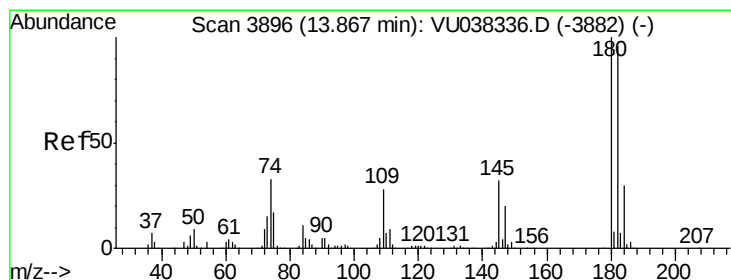
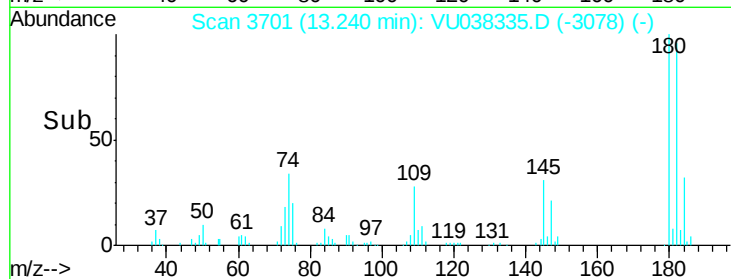
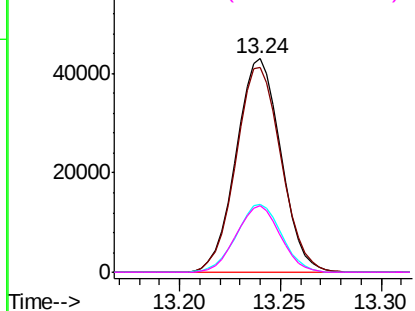
#67
 1,3,5-Trichlorobenzene
 Concen: 10.028 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038335.D
 Acq: 28 May 2020 09:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01036

Tot Ion:180 Resp: 66980
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.4 116.2
 184 32.1 24.3 36.5
 145 30.6 24.5 36.7

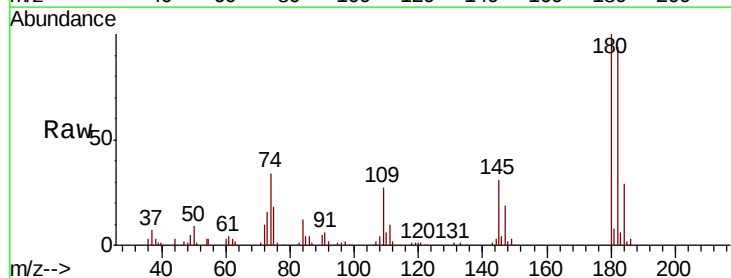


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

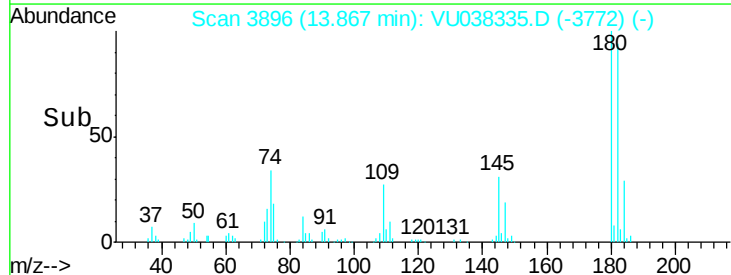
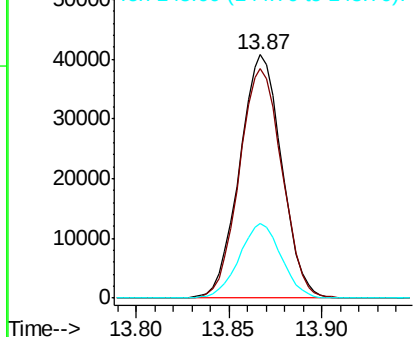


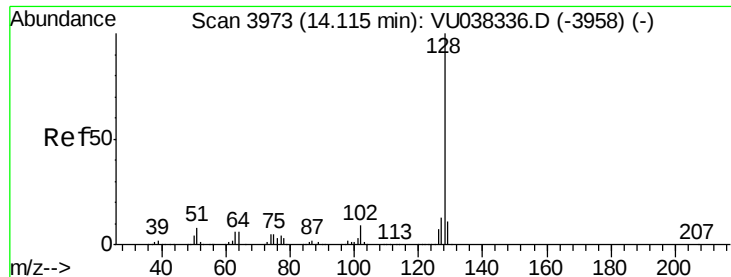
#68
 1,2,4-trichlorobenzene
 Concen: 10.003 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038335.D
 Acq: 28 May 2020 09:45

Tgt Ion:180 Resp: 64078
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.1 115.7
 145 30.6 25.8 38.8



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: 9.501 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

Instrument :

MSVOA_U

ClientSampleId :

VSTD01036

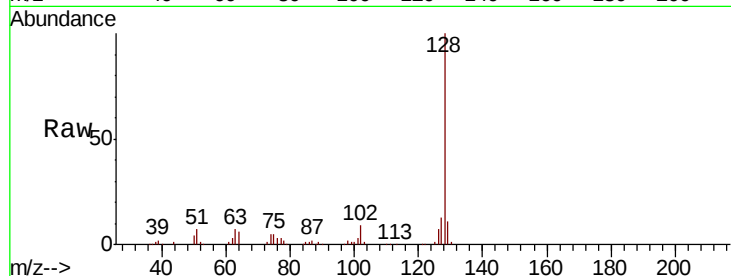
Tot Ion:128 Resp: 217912

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

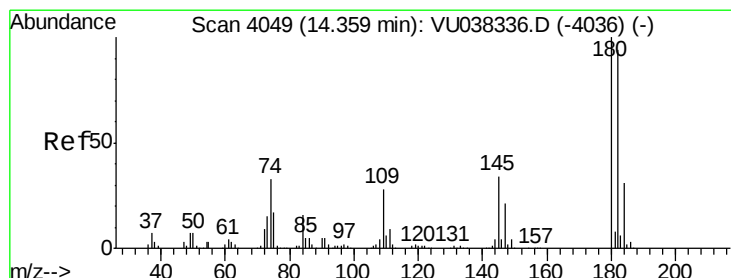
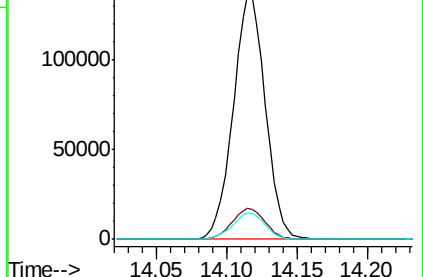
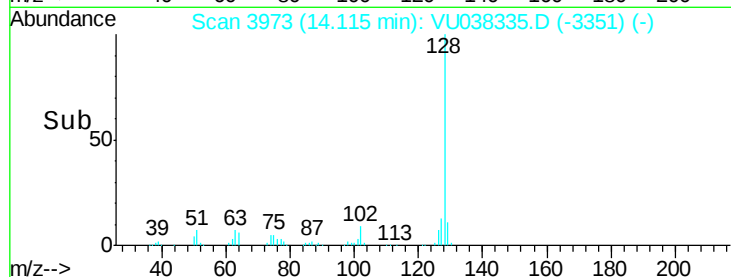
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.099 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038335.D

Acq: 28 May 2020 09:45

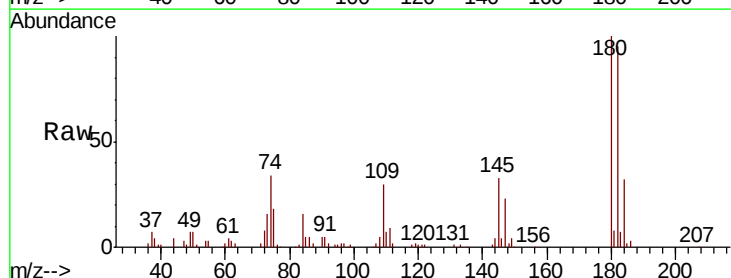
Tgt Ion:180 Resp: 64628

Ion Ratio Lower Upper

180 100

182 93.7 75.5 113.3

145 33.6 26.6 40.0



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

