

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038402.D
 Acq On : 30 May 2020 01:24
 Operator : JC/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 30 02:22:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	275985	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	266255	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	139232	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115648	4.58	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.60%
7) Chloroethane-d5	1.93	69	93168	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.59	63	220586	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.60%
20) 2-Butanone-d5	4.68	46	379104	60.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.74%
24) Chloroform-d	5.10	84	224885	5.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.40%
26) 1,2-Dichloroethane-d4	5.74	65	129884	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.40%
32) Benzene-d6	5.76	84	448884	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.72	67	137245	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.92	98	387183	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
43) trans-1,3-Dichloropropene-	8.20	79	57231	5.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.00%
46) 2-Hexanone-d5	8.65	63	321419	65.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.98%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	119716	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	149361	5.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	115092	4.560 ug/L	99
3) Chloromethane	1.53	50	107388	3.530 ug/L	96
5) Vinyl chloride	1.62	62	119353	4.004 ug/L	99
6) Bromomethane	1.87	94	50589	2.981 ug/L	100
8) Chloroethane	1.95	64	73744	4.022 ug/L	100
9) Trichlorofluoromethane	2.16	101	163461	5.364 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90407	4.785 ug/L	97
12) 1,1-Dichloroethene	2.61	96	96504	5.039 ug/L	90
13) Acetone	2.68	43	209102	53.510 ug/L	95
14) Carbon disulfide	2.82	76	306586	4.487 ug/L	99
15) Methyl Acetate	2.99	43	53978	4.938 ug/L	94
16) Methylene chloride	3.08	84	112850	5.055 ug/L	95
17) Methyl tert-butyl Ether	3.40	73	276497	5.196 ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	105586	5.049 ug/L	98
19) 1,1-Dichloroethane	3.91	63	199953	4.896 ug/L	99
21) 2-Butanone	4.76	43	369765	53.610 ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	114574	5.085 ug/L	99

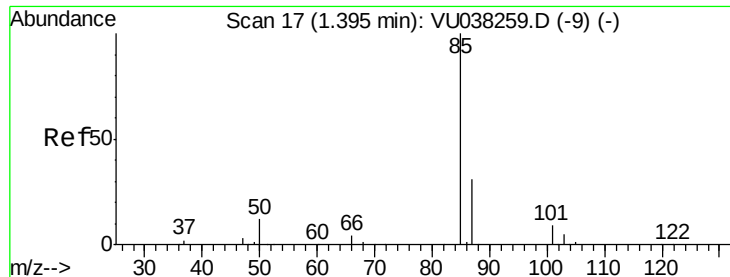
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053020\
 Data File : VU038402.D
 Acq On : 30 May 2020 01:24
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 00:03:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	52502	5.414	ug/L	89
25) Chloroform	5.13	83	202880	5.326	ug/L	100
27) 1,2-Dichloroethane	5.83	62	142350	5.294	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	170762	5.598	ug/L	97
30) Cyclohexane	5.42	56	157421	4.371	ug/L	99
31) Carbon tetrachloride	5.56	117	135756	5.537	ug/L	97
33) Benzene	5.81	78	449865	5.276	ug/L	100
34) Trichloroethene	6.57	95	111534	5.230	ug/L	97
35) Methylcyclohexane	6.79	83	155804	4.510	ug/L	94
37) 1,2-Dichloropropane	6.82	63	116264	5.020	ug/L	99
38) Bromodichloromethane	7.13	83	142792	5.333	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	166887	5.035	ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	818702	51.006	ug/L	99
42) Toluene	7.99	91	459904	5.110	ug/L	96
44) trans-1,3-Dichloropropene	8.23	75	145521	5.163	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	86800	5.397	ug/L	97
47) Tetrachloroethene	8.57	164	77128	5.171	ug/L	98
48) 2-Hexanone	8.71	43	624813	53.153	ug/L	99
49) Dibromochloromethane	8.83	129	94667	5.672	ug/L	99
50) 1,2-Dibromoethane	8.94	107	82226	5.509	ug/L	98
51) Chlorobenzene	9.47	112	291738	5.223	ug/L	98
52) Ethylbenzene	9.59	91	494243	5.069	ug/L	98
53) m,p-Xylene	9.71	106	191953	5.134	ug/L	99
54) o-Xylene	10.12	106	187729	5.194	ug/L	97
55) Styrene	10.13	104	322729	5.319	ug/L	100
56) Isopropylbenzene	10.50	105	473965	5.105	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	106753	5.228	ug/L	98
59) 1,2,3-Trichloropropane	10.84	75	84070	5.409	ug/L	99
61) Bromoform	10.31	173	50188	5.333	ug/L	98
62) 1,3-Dichlorobenzene	11.76	146	226725	5.005	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	228668	4.981	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	219760	5.042	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	17654	4.956	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	164152	4.994	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	153503	5.149	ug/L	98
69) Naphthalene	14.11	128	322431	5.137	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	146775	5.296	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.560 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

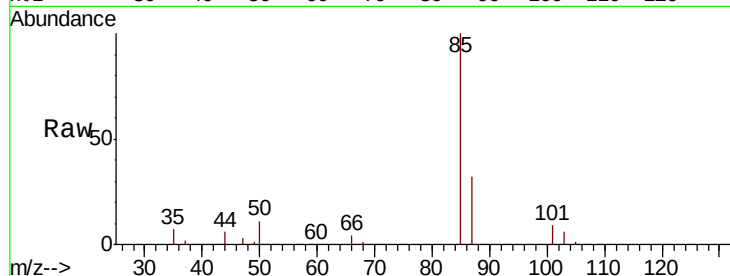
ClientSampled :

Tot Ion: 85 Resp: 115092

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038259.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038259.D (-9) (-)

1.39

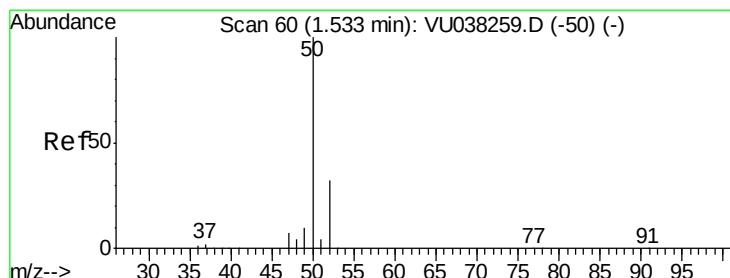
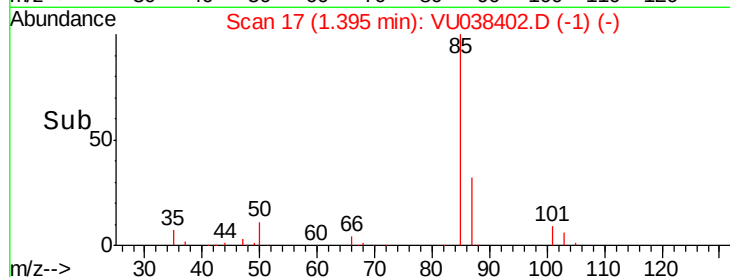
100000

50000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 3.530 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU038402.D

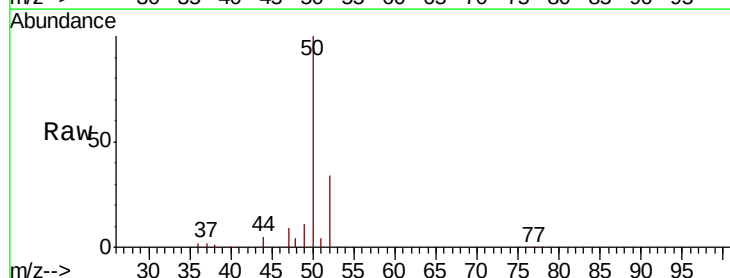
Acq: 30 May 2020 01:24

Tgt Ion: 50 Resp: 107388

Ion Ratio Lower Upper

50 100

52 34.4 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VU038259.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038259.D (-50) (-)

1.53

100000

80000

60000

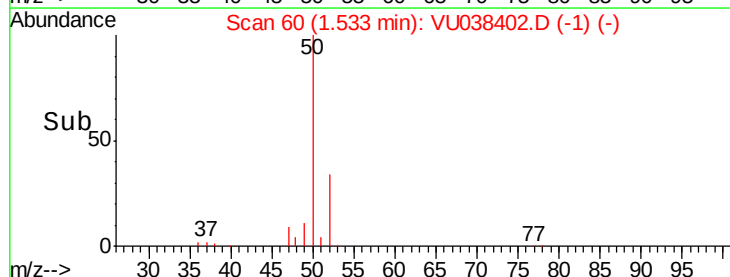
40000

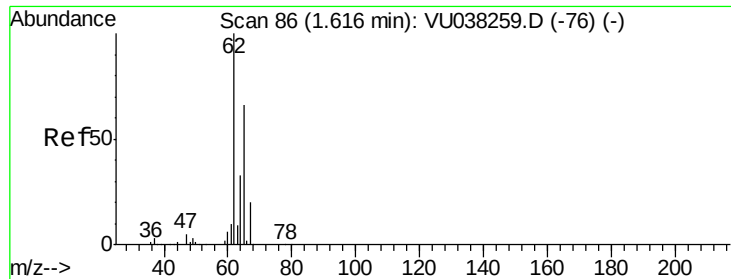
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.004 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

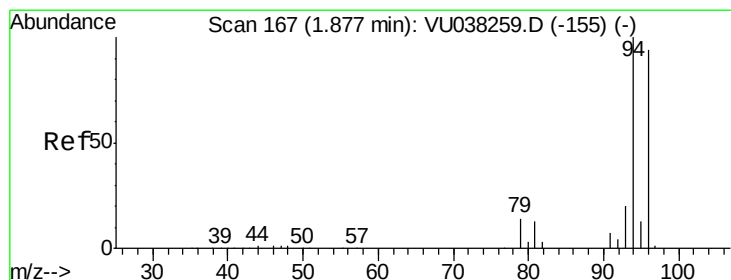
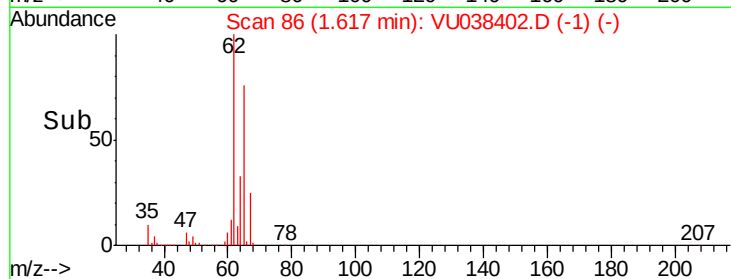
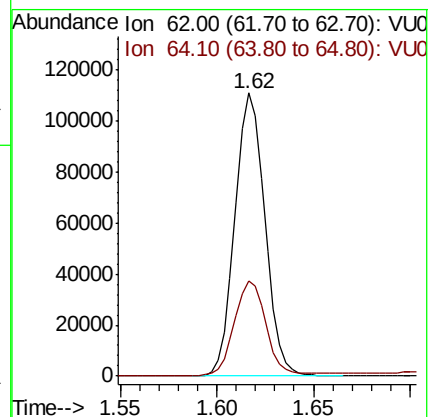
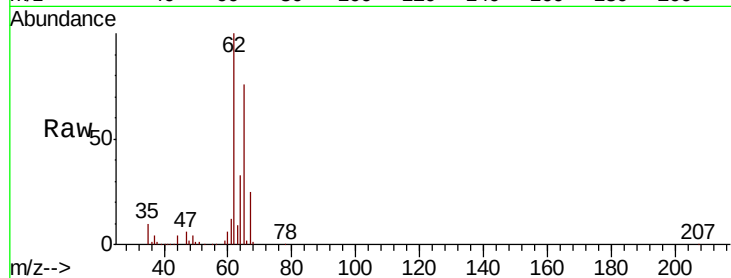
ClientSampled :

Tot Ion: 62 Resp: 119353

Ion Ratio Lower Upper

62 100

64 33.4 22.8 42.4



#6

Bromomethane

Concen: 2.981 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038402.D

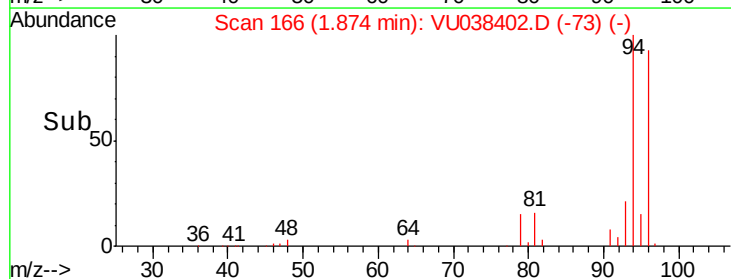
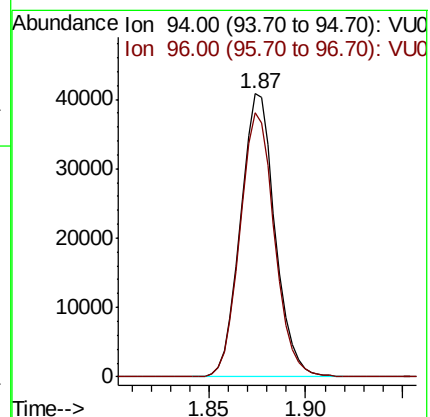
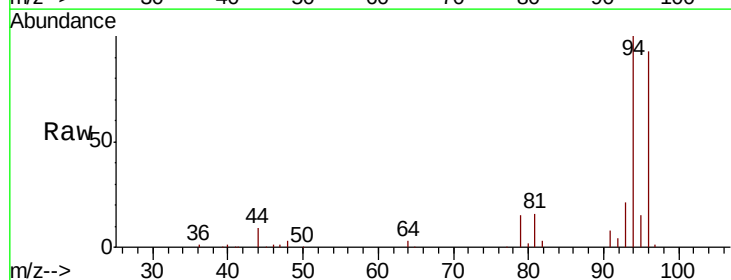
Acq: 30 May 2020 01:24

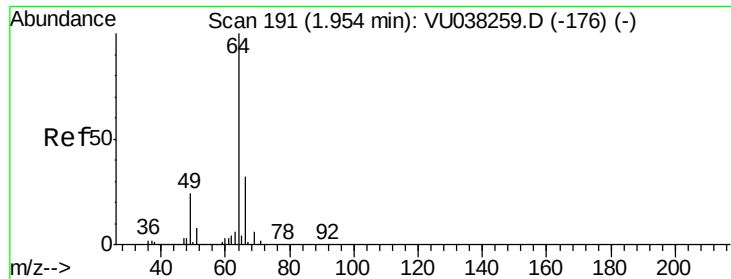
Tgt Ion: 94 Resp: 50589

Ion Ratio Lower Upper

94 100

96 93.4 65.0 120.8





#8

Chloroethane

Concen: 4.022 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

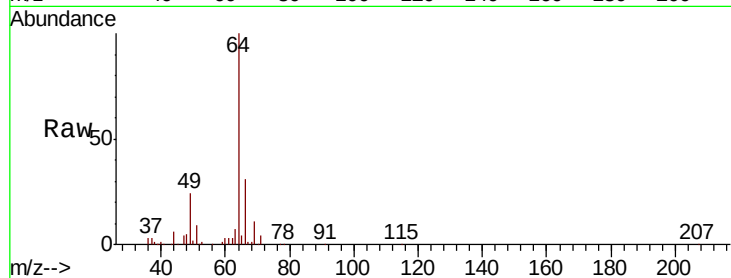
ClientSampleId :

Tot Ion: 64 Resp: 73744

Ion Ratio Lower Upper

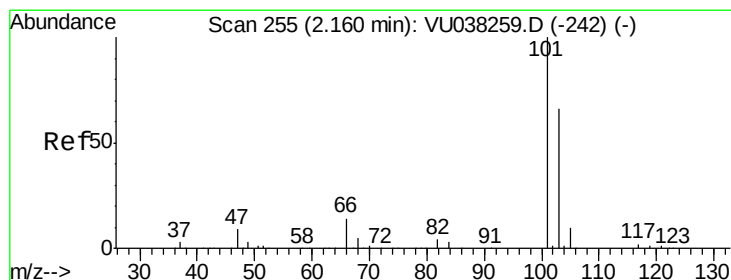
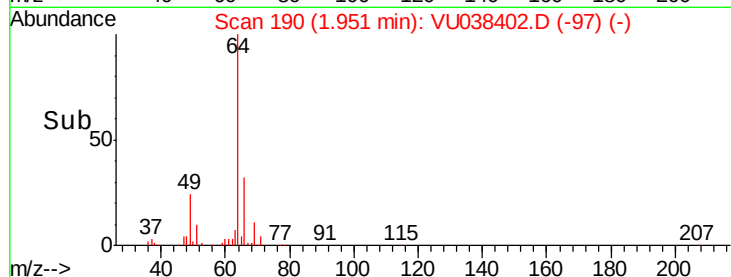
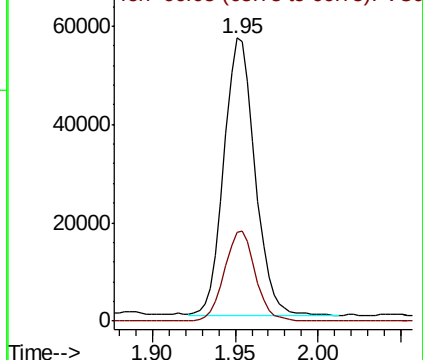
64 100

66 31.2 21.8 40.4



Abundance Ion 64.10 (63.80 to 64.80): VU038259.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU038259.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 5.364 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038402.D

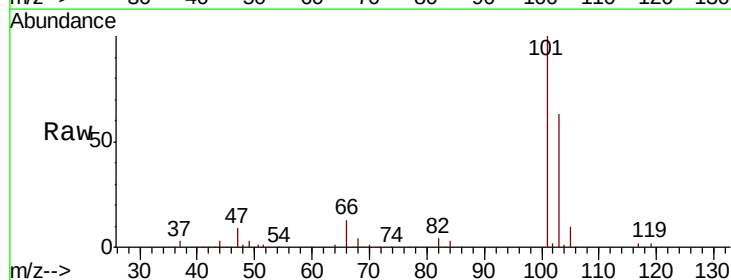
Acq: 30 May 2020 01:24

Tgt Ion: 101 Resp: 163461

Ion Ratio Lower Upper

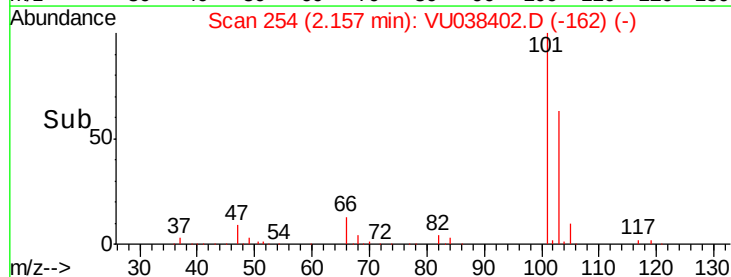
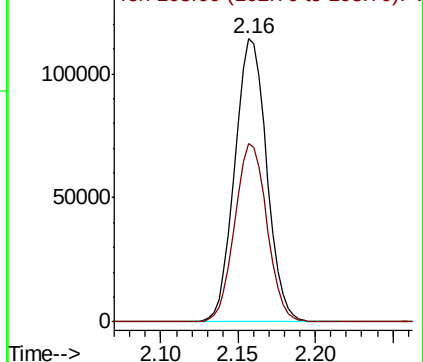
101 100

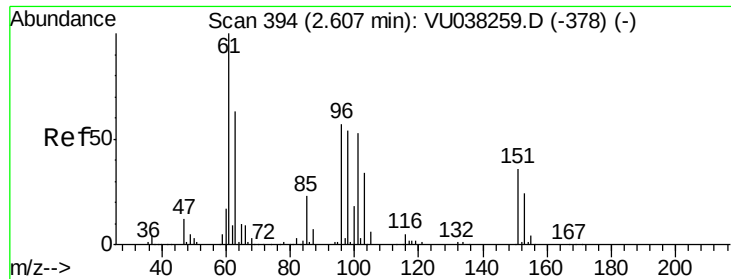
103 63.5 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038259.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038259.D (-242) (-)





#10

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

Concen: 4.785 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampled :

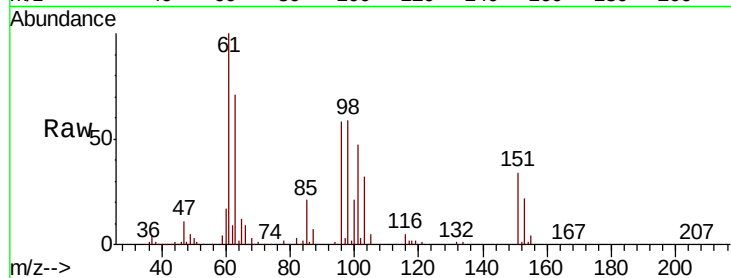
Tot Ion:101 Resp: 90407

Ion Ratio Lower Upper

101 100

85 43.6 35.3 52.9

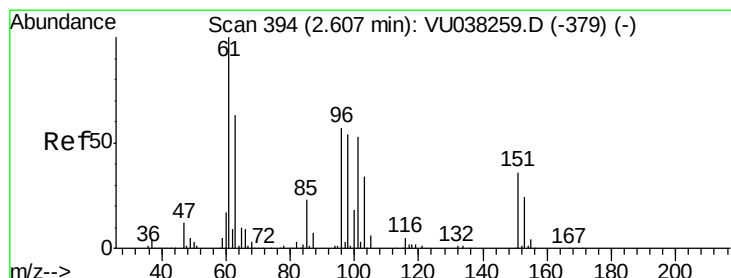
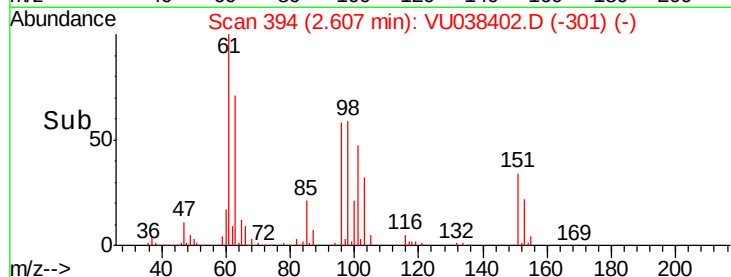
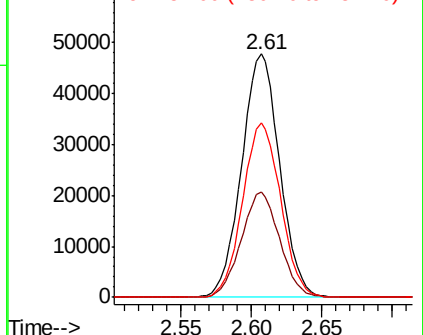
151 71.6 54.2 81.2



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: 5.039 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

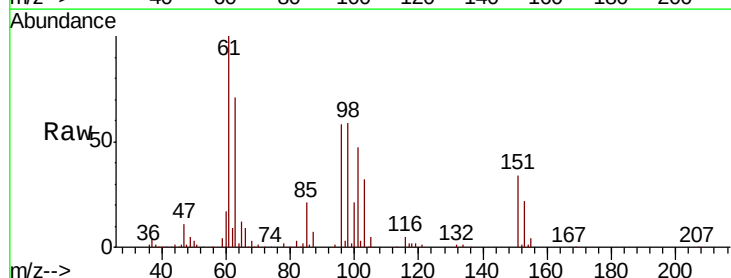
Tgt Ion: 96 Resp: 96504

Ion Ratio Lower Upper

96 100

61 171.9 126.2 234.4

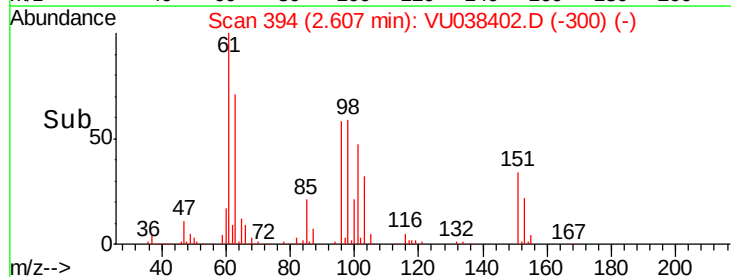
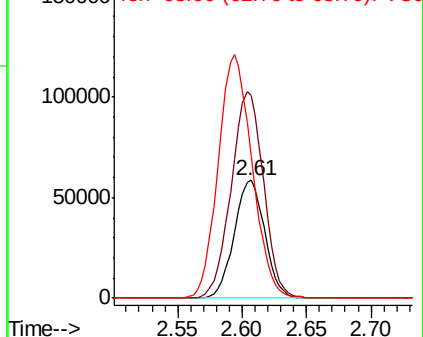
63 121.2 96.9 179.9

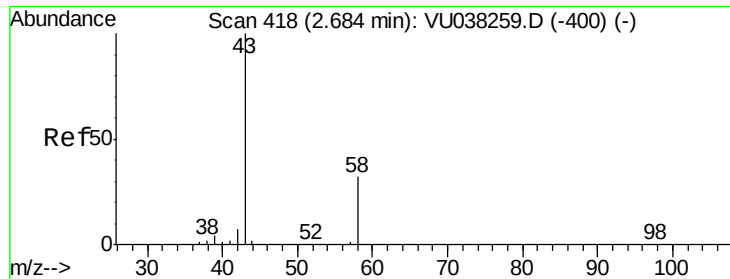


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.510 ug/L

RT: 2.68 min Scan# 416

Delta R.T. -0.01 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

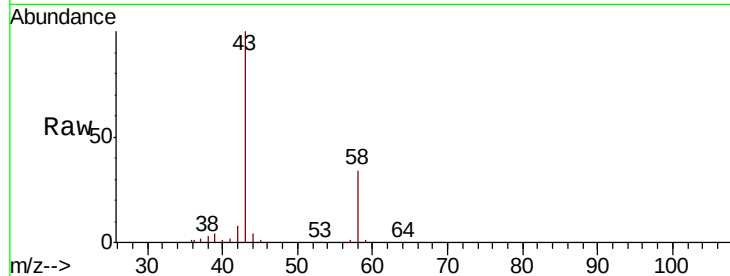
ClientSampleId :

Tot Ion: 43 Resp: 209102

Ion Ratio Lower Upper

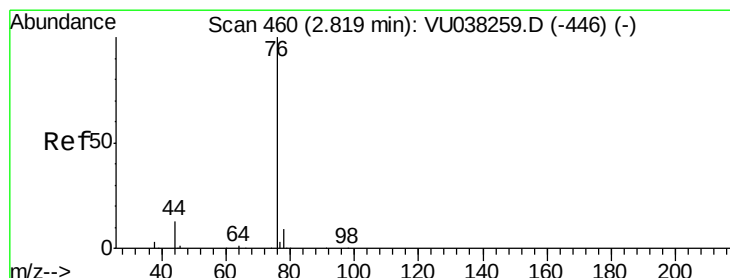
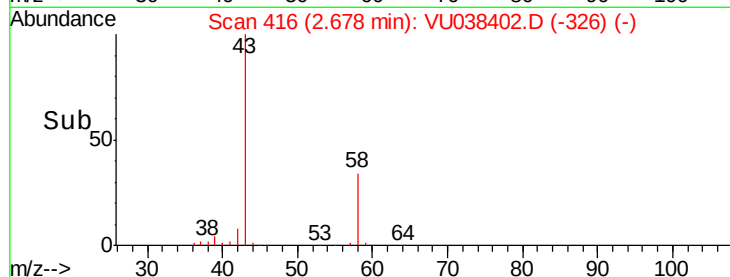
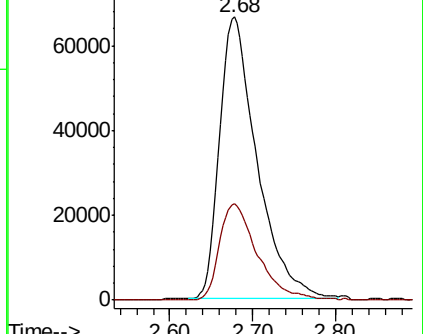
43 100

58 34.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038259.D (-400) (-)



#14

Carbon disulfide

Concen: 4.487 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038402.D

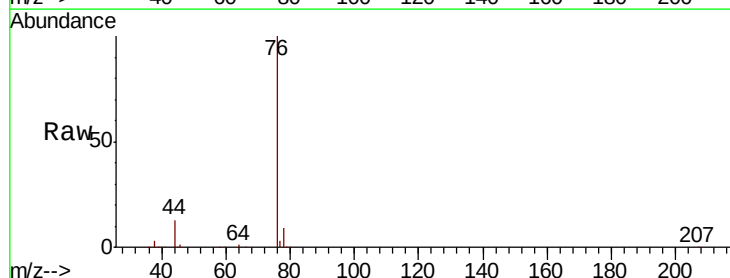
Acq: 30 May 2020 01:24

Tgt Ion: 76 Resp: 306586

Ion Ratio Lower Upper

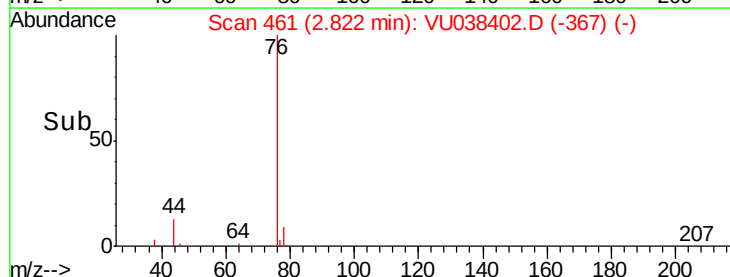
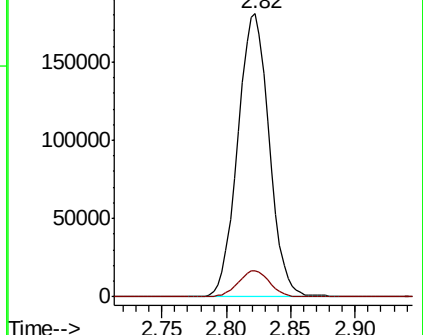
76 100

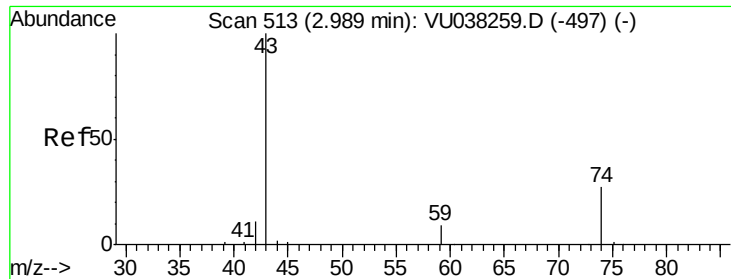
78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VU038259.D (-446) (-)

Ion 78.00 (77.70 to 78.70): VU038259.D (-446) (-)

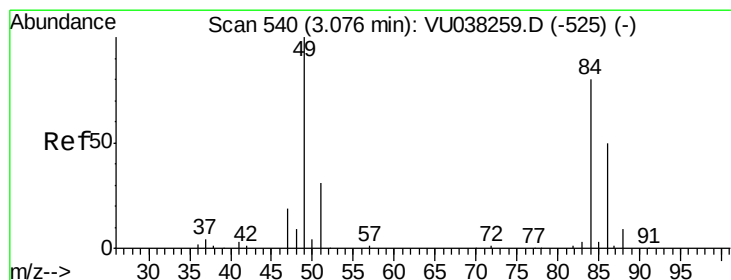
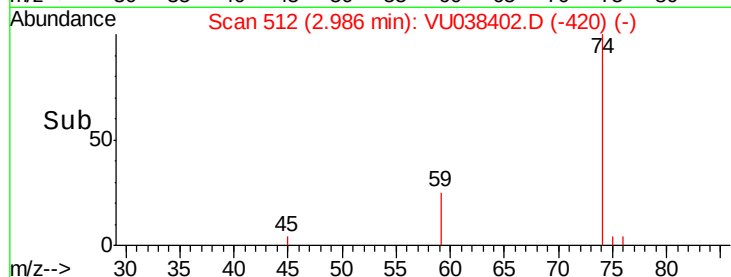
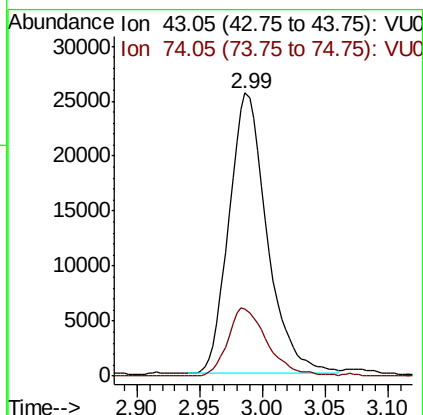
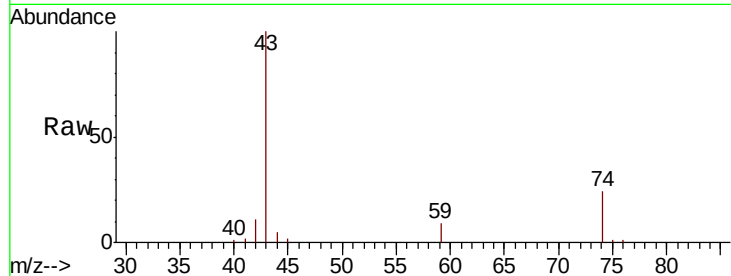




#15
Methvl Acetate
Concen: 4.938 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

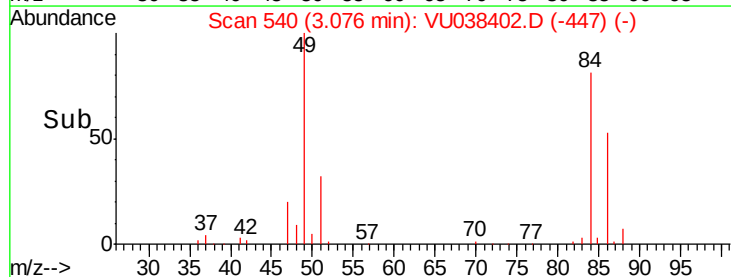
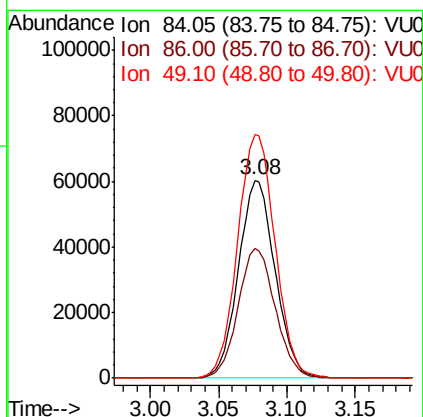
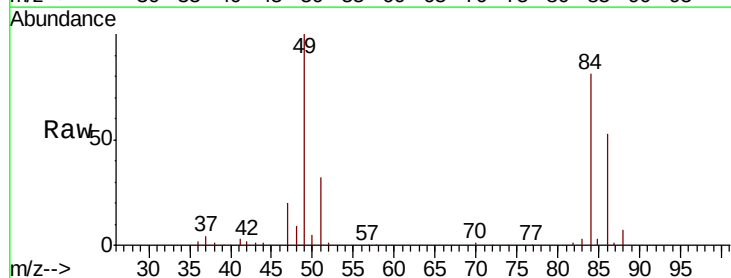
Instrument :
MSVOA_U
ClientSampled :

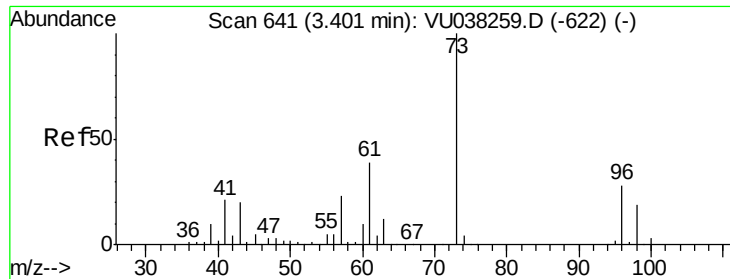
Tot Ion: 43 Resp: 53978
Ion Ratio Lower Upper
43 100
74 25.2 18.0 27.0



#16
Methylene chloride
Concen: 5.055 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Tgt Ion: 84 Resp: 112850
Ion Ratio Lower Upper
84 100
86 65.5 44.9 83.3
49 122.9 92.0 170.9

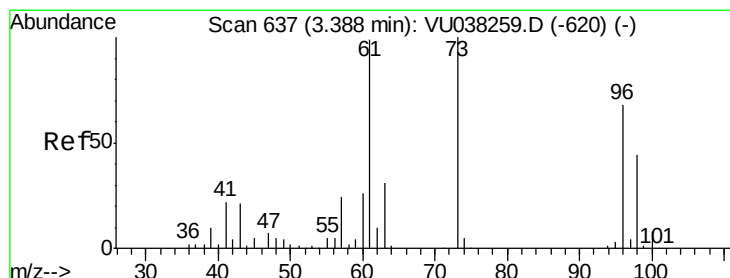
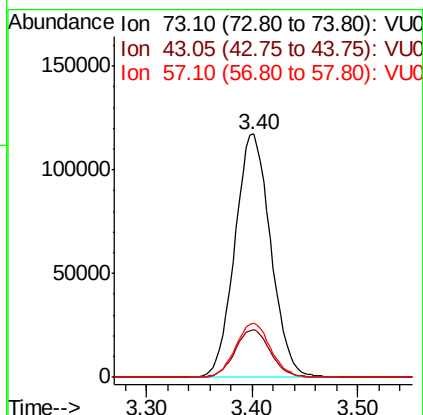
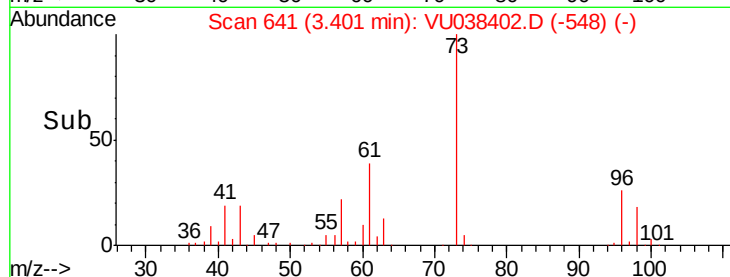
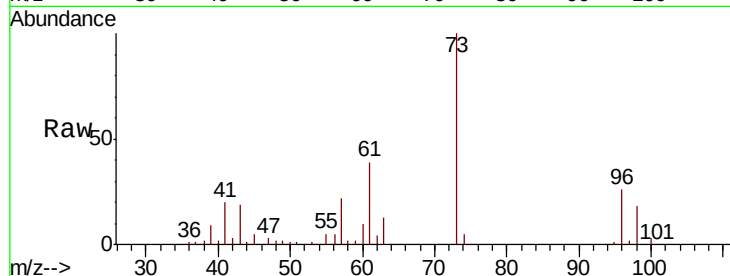




#17
Methyl tert-butyl Ether
Concen: 5.196 ug/L
RT: 3.40 min Scan# 641
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

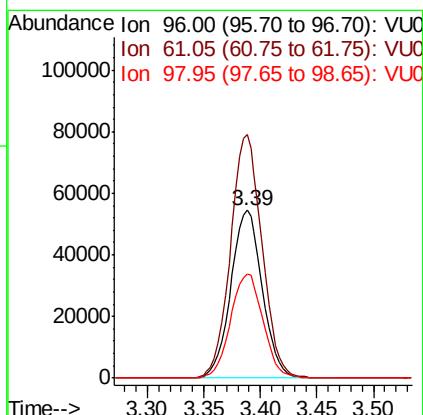
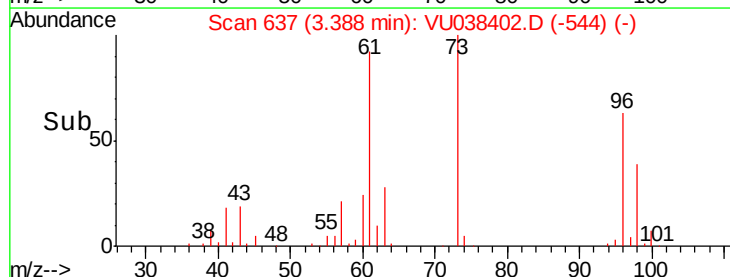
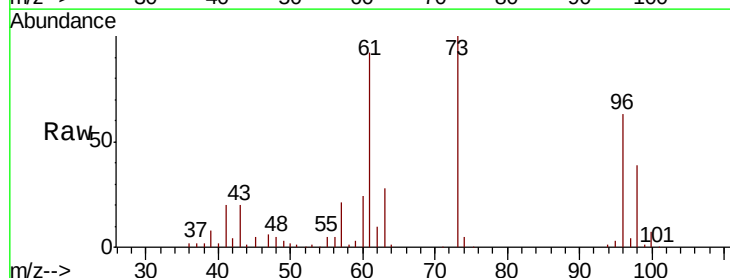
Instrument :
MSVOA_U
ClientSampleId :

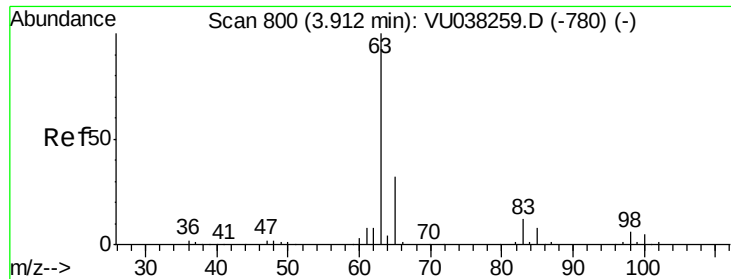
Tot Ion: 73 Resp: 276497
Ion Ratio Lower Upper
73 100
43 19.4 16.9 25.3
57 21.8 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 5.049 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Tgt Ion: 96 Resp: 105586
Ion Ratio Lower Upper
96 100
61 145.0 102.1 189.5
98 62.0 45.6 84.8

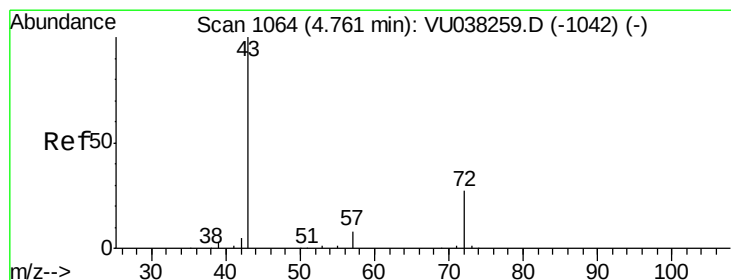
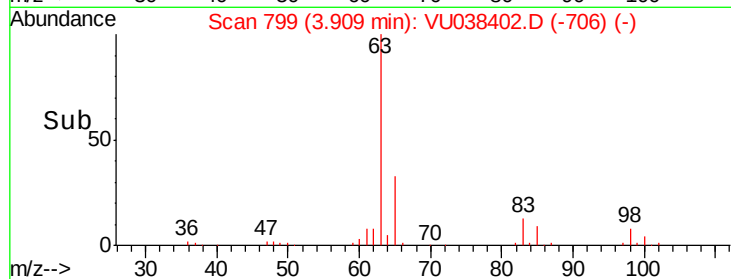
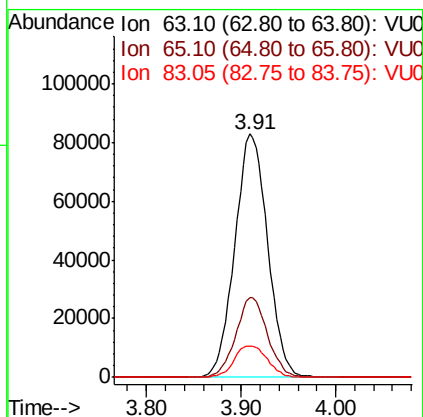
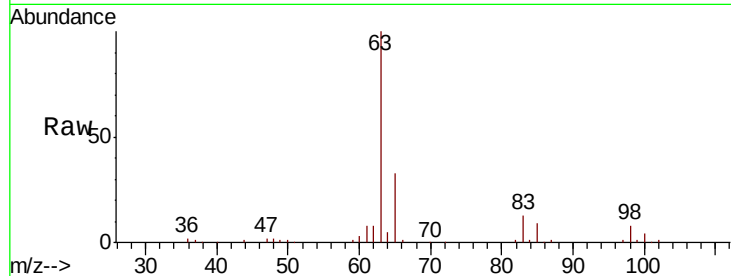




#19
 1,1-Dichloroethane
 Concen: 4.896 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

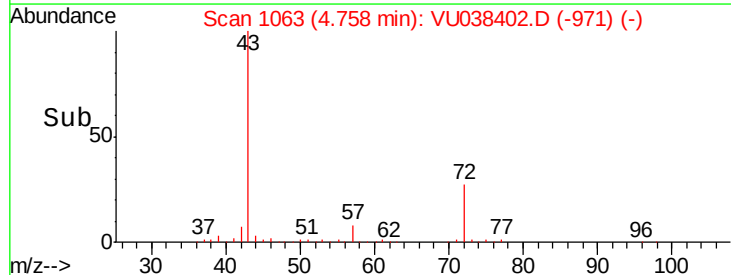
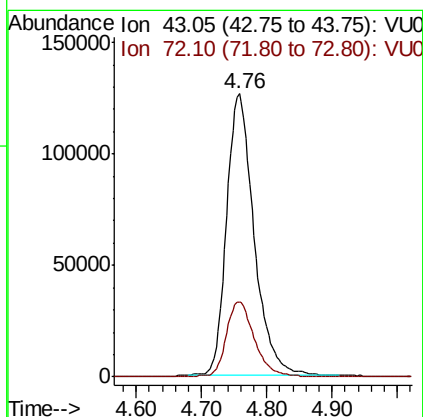
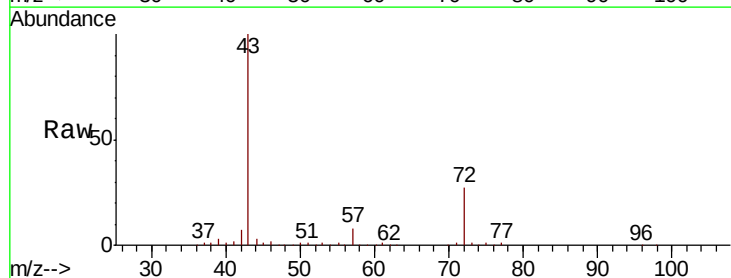
Instrument :
 MSVOA_U
 ClientSampled :

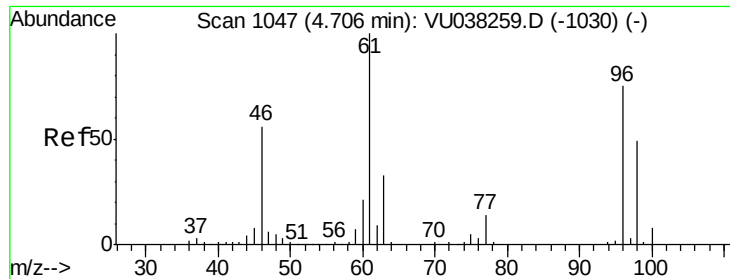
Tot Ion: 63 Resp: 199953
 Ion Ratio Lower Upper
 63 100
 65 32.9 22.5 41.7
 83 13.0 8.9 16.5



#21
 2-Butanone
 Concen: 53.610 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion: 43 Resp: 369765
 Ion Ratio Lower Upper
 43 100
 72 27.4 13.5 40.4

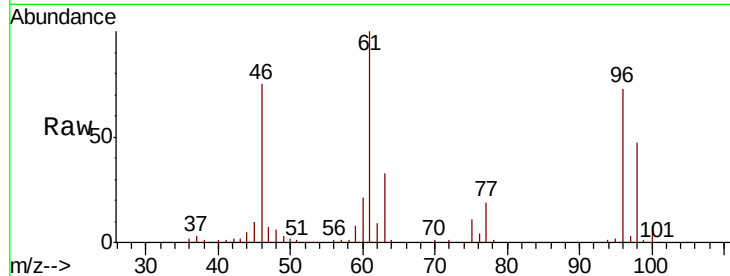




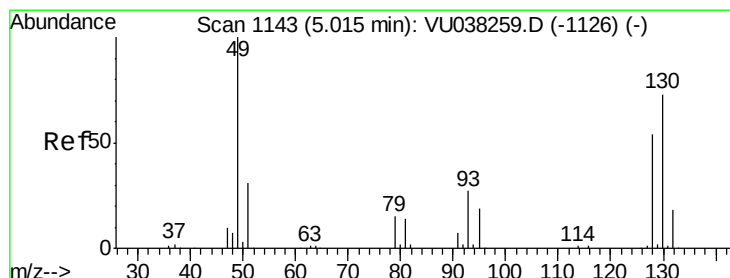
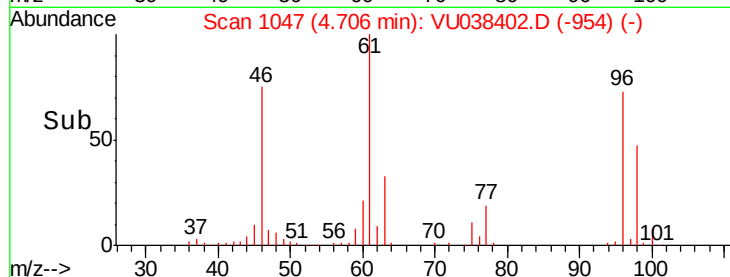
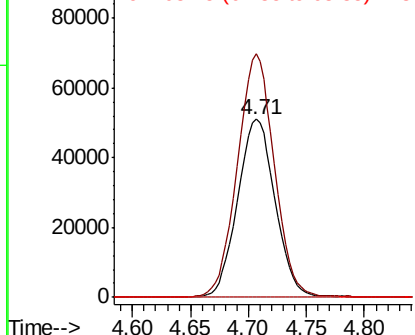
#22
 cis-1,2-Dichloroethene
 Concen: 5.085 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 114574
 Ion Ratio Lower Upper
 96 100
 61 137.0 95.3 176.9
 68 0.0 0.0 0.0

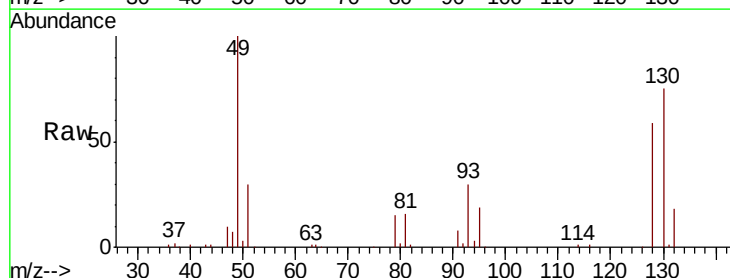


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

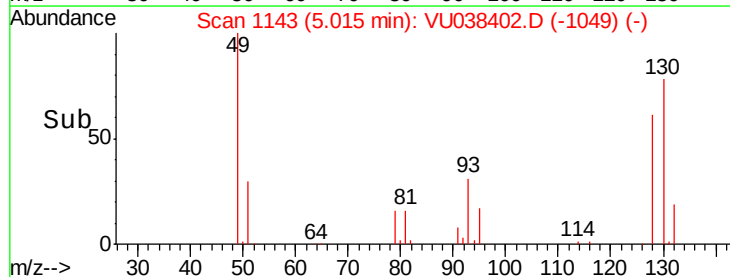
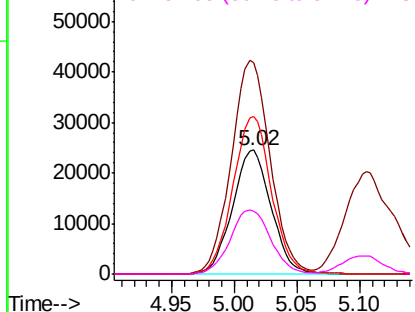


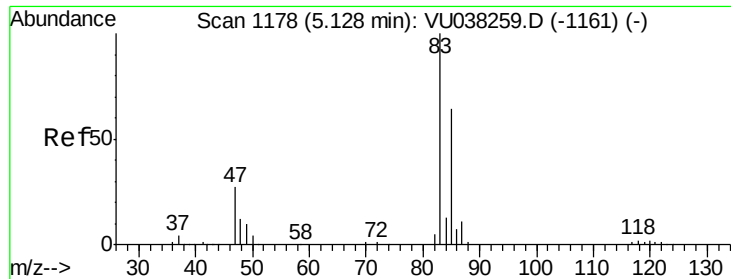
#23
 Bromochloromethane
 Concen: 5.414 ug/L
 RT: 5.02 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion: 128 Resp: 52502
 Ion Ratio Lower Upper
 128 100
 49 170.7 135.6 251.8
 130 127.3 91.4 169.8
 51 50.6 49.6 74.4



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

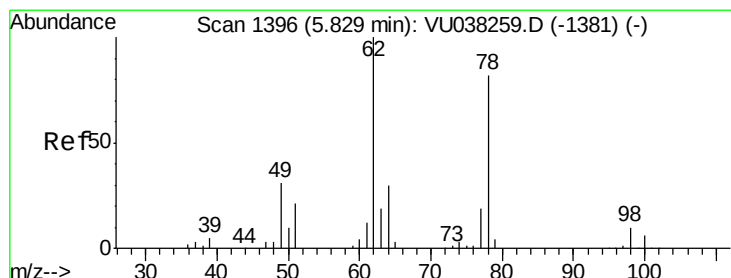
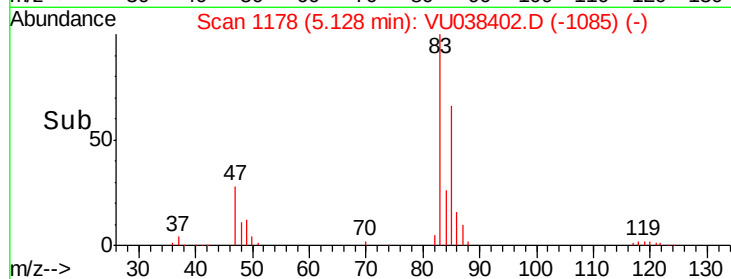
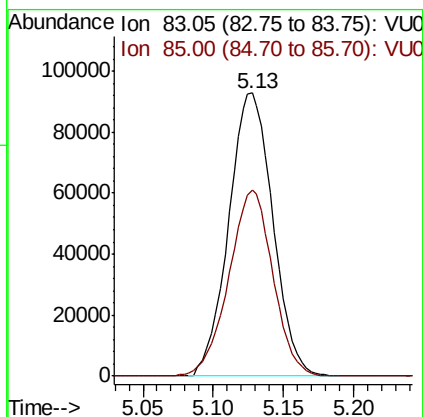
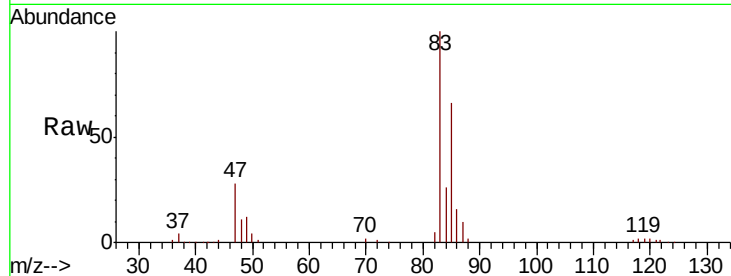




#25
Chloroform
Concen: 5.326 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

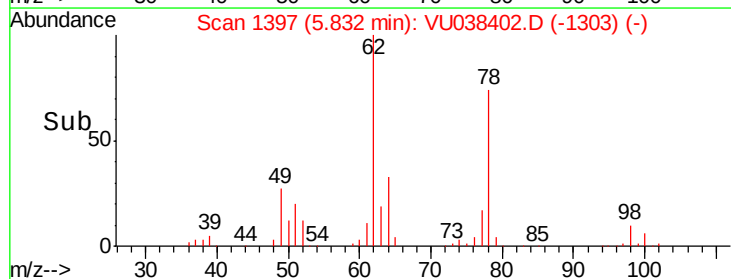
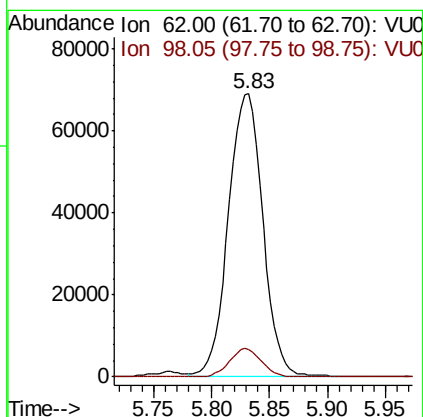
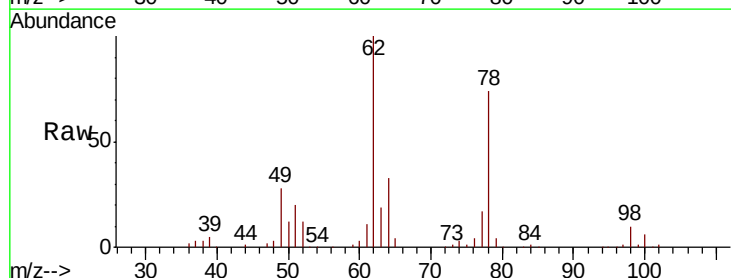
Instrument :
MSVOA_U
ClientSampled :

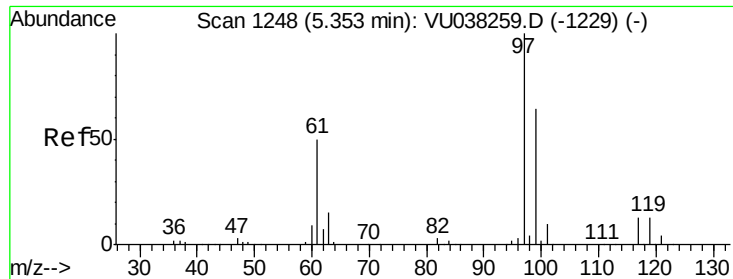
Tot Ion: 83 Resp: 202880
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 5.294 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Tgt Ion: 62 Resp: 142350
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.8

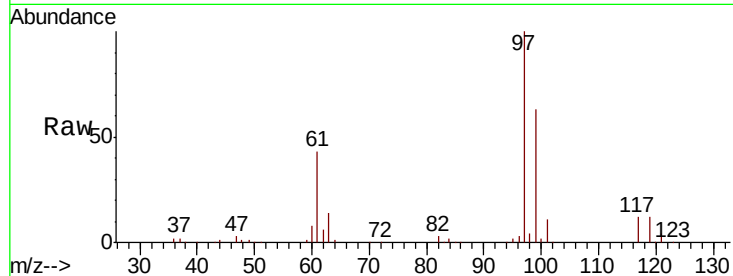




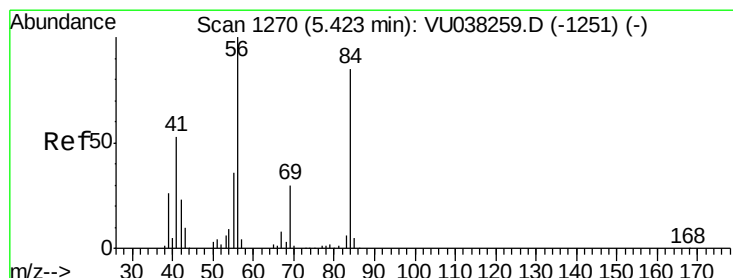
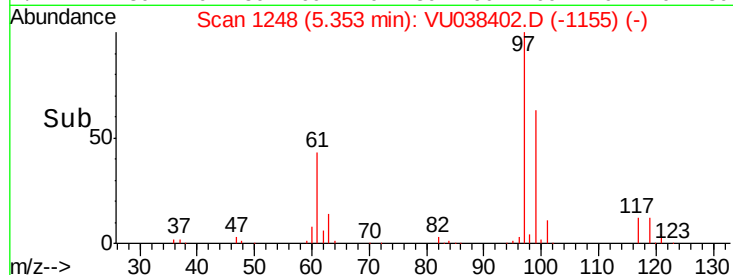
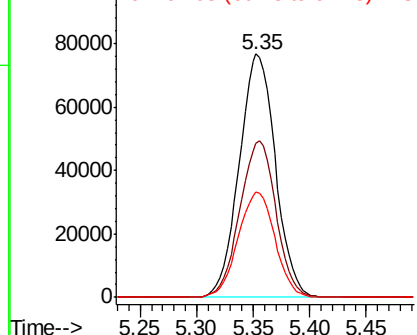
#29
 1,1,1-Trichloroethane
 Concen: 5.598 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 170762
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.4
 61 44.0 38.2 57.4

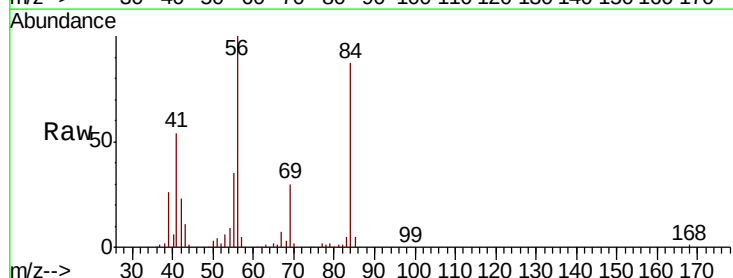


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

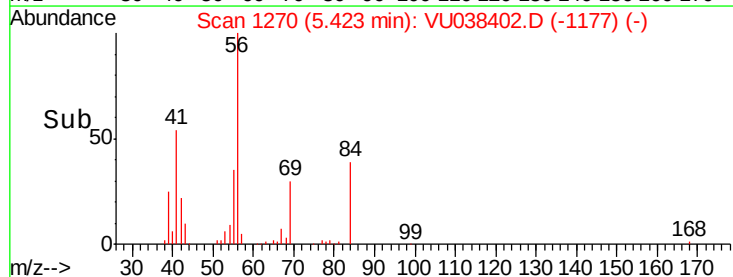
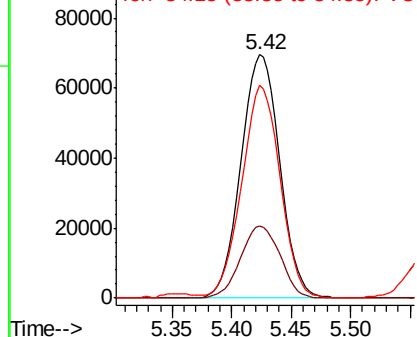


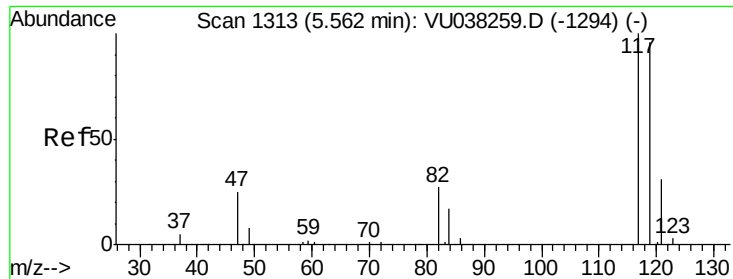
#30
 Cyclohexane
 Concen: 4.371 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion: 56 Resp: 157421
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.2 36.4
 84 86.5 68.5 102.7



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.537 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

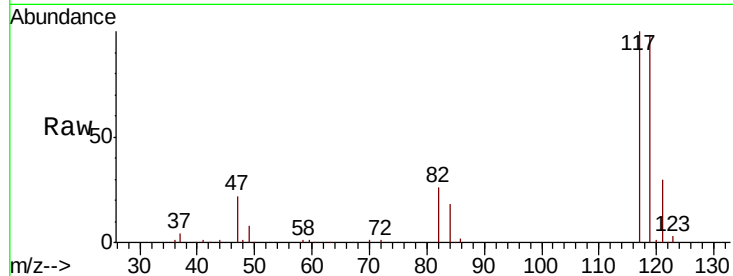
ClientSampleId :

Tot Ion:117 Resp: 135756

Ion Ratio Lower Upper

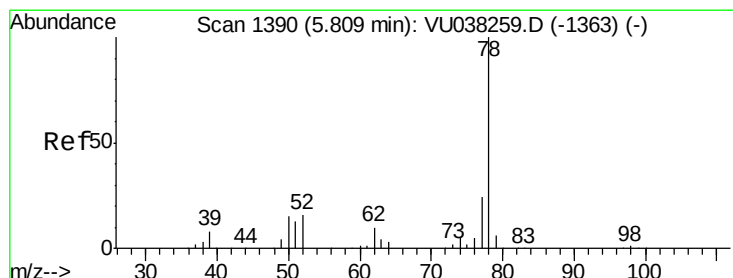
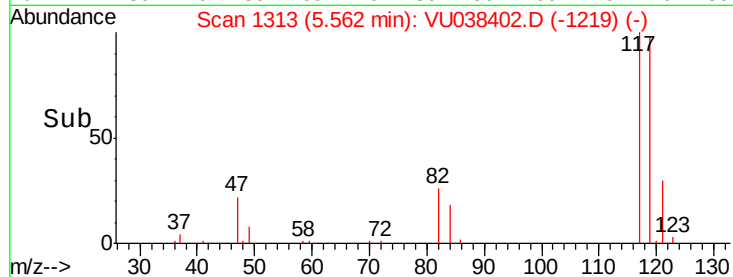
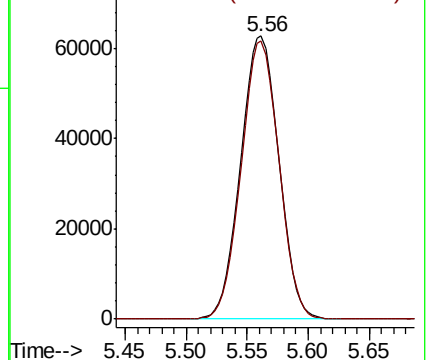
117 100

119 96.9 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.276 ug/L

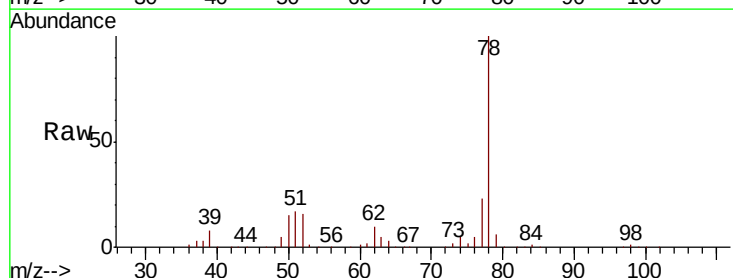
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

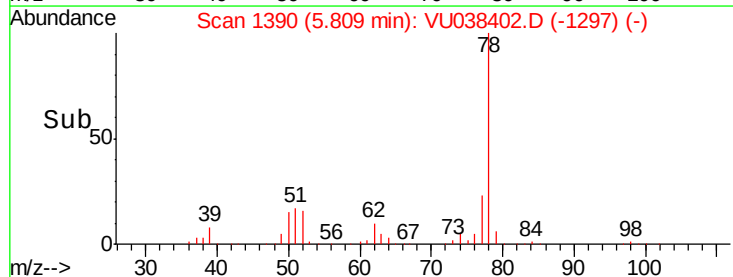
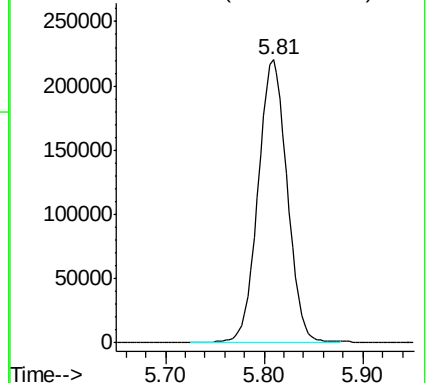
Lab File: VU038402.D

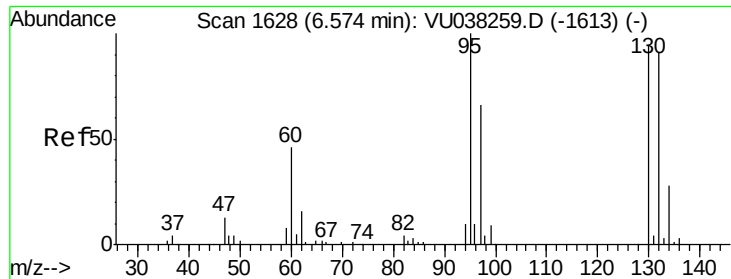
Acq: 30 May 2020 01:24

Tgt Ion: 78 Resp: 449865



Abundance Ion 78.10 (77.80 to 78.80): VU0

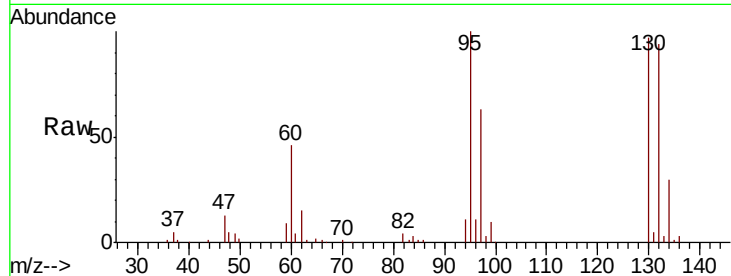




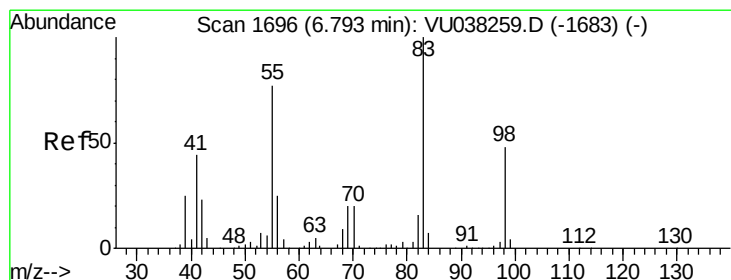
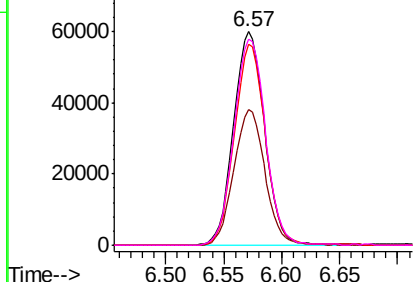
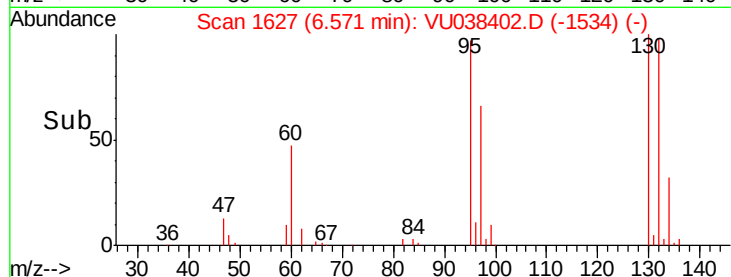
#34
 Trichloroethene
 Concen: 5.230 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 111534
 Ion Ratio Lower Upper
 95 100
 97 63.5 44.9 83.3
 132 94.3 63.3 117.5
 130 96.7 65.7 122.1

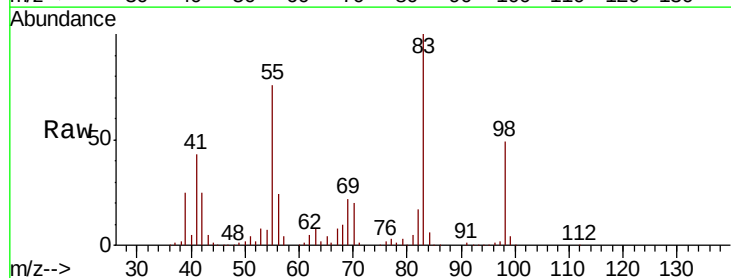


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

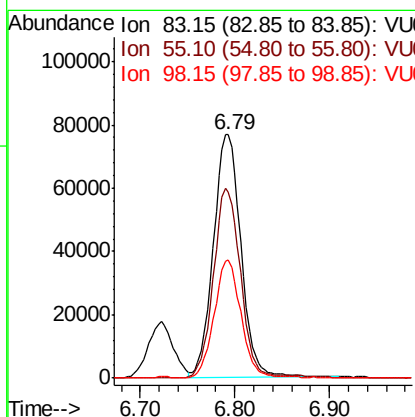
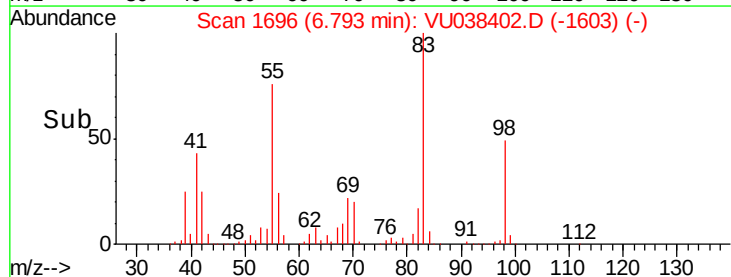


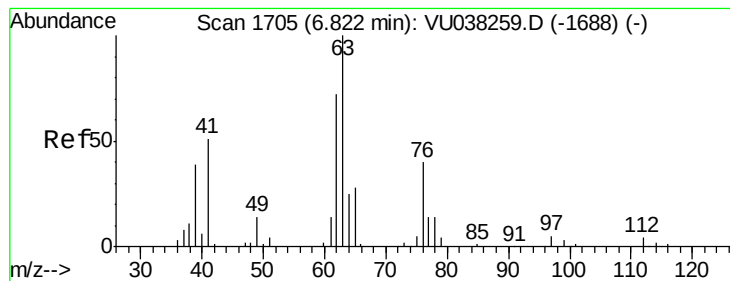
#35
 Methylcyclohexane
 Concen: 4.510 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion: 83 Resp: 155804
 Ion Ratio Lower Upper
 83 100
 55 76.7 66.7 100.1
 98 46.3 39.4 59.2



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





#37

1,2-Dichloropropane

Concen: 5.020 ug/L

RT: 6.82 min Scan# 1705

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

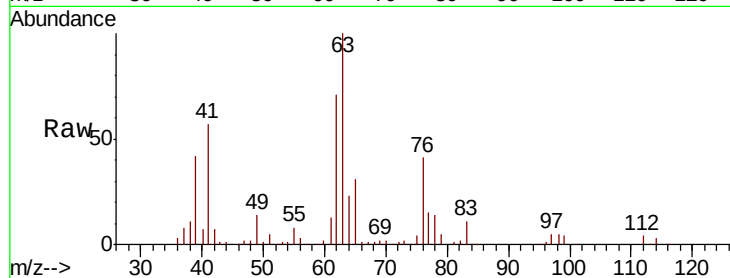
ClientSampleId :

Tot Ion: 63 Resp: 116264

Ion Ratio Lower Upper

63 100

112 4.4 3.1 4.7



Abundance Ion 63.10 (62.80 to 63.80): VU038259.D (-1688) (-)

Ion 112.10 (111.80 to 112.80): VU038259.D (-1688) (-)

6.82

60000

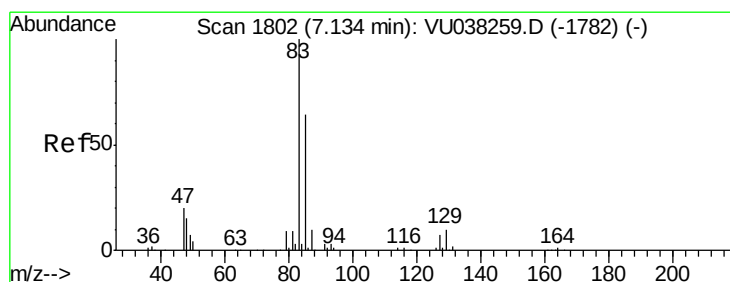
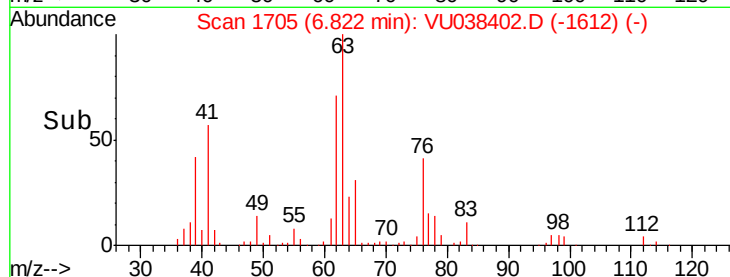
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#38

Bromodichloromethane

Concen: 5.333 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

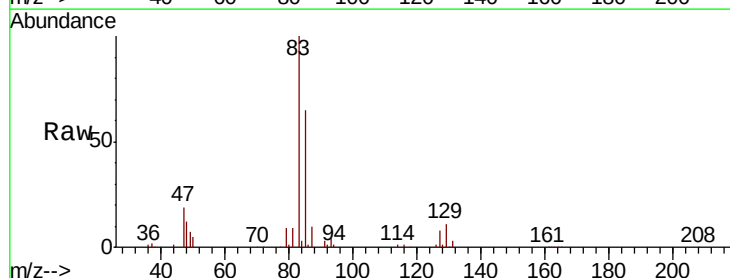
Tgt Ion: 83 Resp: 142792

Ion Ratio Lower Upper

83 100

85 65.1 44.6 82.8

127 8.5 6.4 9.6



Abundance Ion 82.95 (82.65 to 83.65): VU038259.D (-1782) (-)

Ion 85.00 (84.70 to 85.70): VU038259.D (-1782) (-)

Ion 126.90 (126.60 to 127.60): VU038259.D (-1782) (-)

7.13

100000

80000

60000

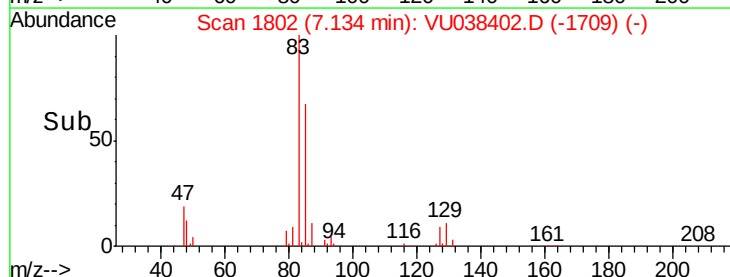
40000

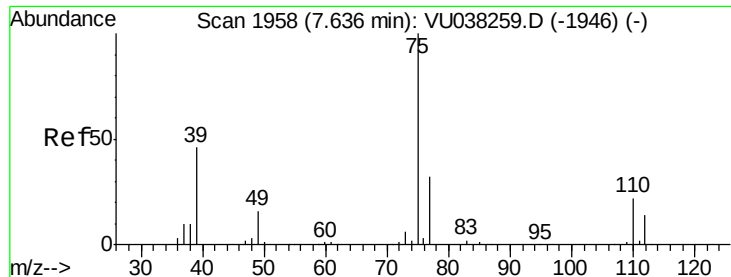
20000

0

7.05 7.10 7.15 7.20 7.25

Time-->

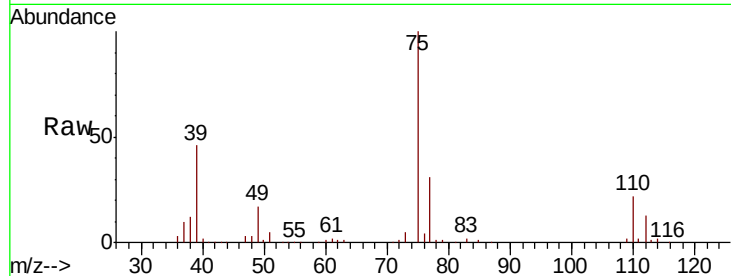




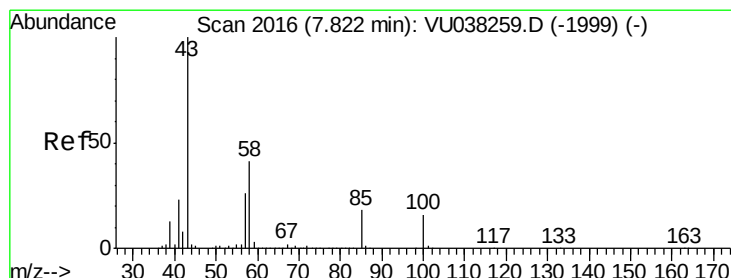
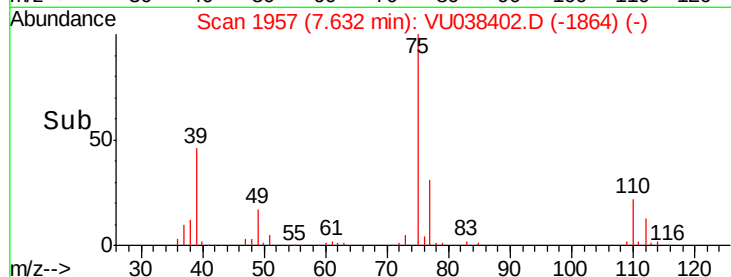
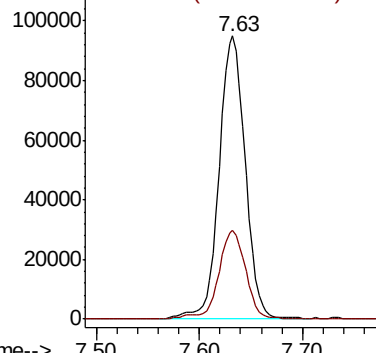
#39
 cis-1,3-Dichloropropene
 Concen: 5.035 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 166887
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.4 41.6

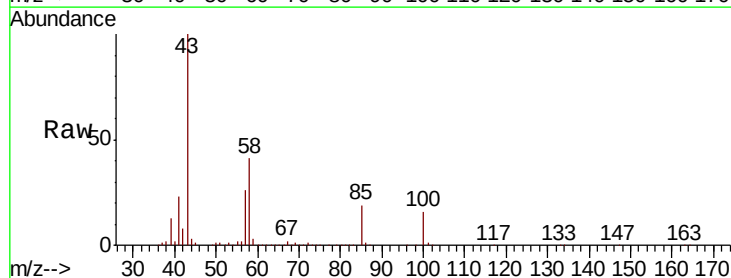


Abundance Ion 75.05 (74.75 to 75.75): VU038259.D (-1946) (-)
 Ion 77.05 (76.75 to 77.75): VU038259.D (-1946) (-)

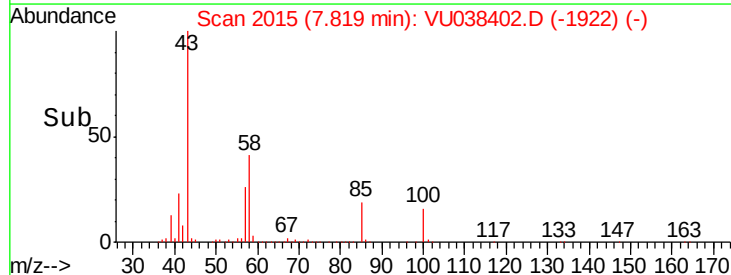
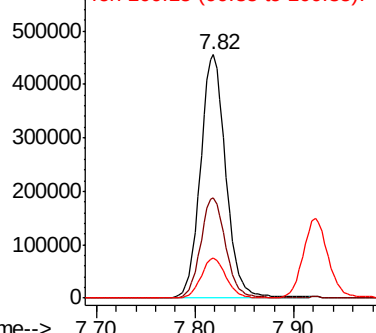


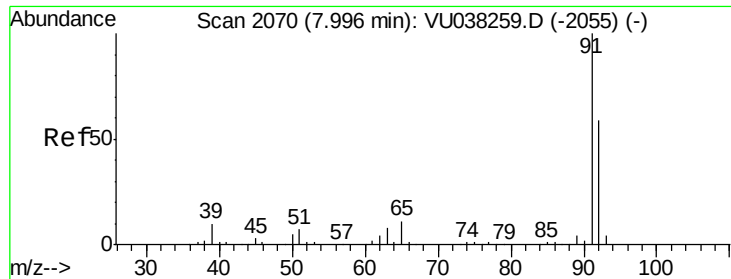
#40
 4-Methyl-2-pentanone
 Concen: 51.006 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion: 43 Resp: 818702
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.2 48.4
 100 16.3 12.1 18.1



Abundance Ion 43.05 (42.75 to 43.75): VU038259.D (-1999) (-)
 Ion 58.05 (57.75 to 58.75): VU038259.D (-1999) (-)
 Ion 100.15 (99.85 to 100.85): VU038259.D (-1999) (-)





#42

Toluene

Concen: 5.110 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

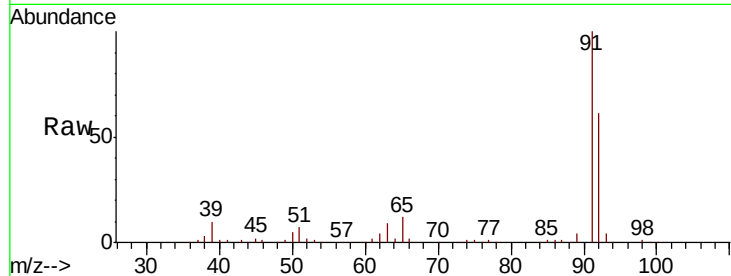
ClientSampled :

Tot Ion: 91 Resp: 459904

Ion Ratio Lower Upper

91 100

92 61.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2055) (-)

Ion 92.15 (91.85 to 92.85): VU038259.D (-2055) (-)

7.99

250000

200000

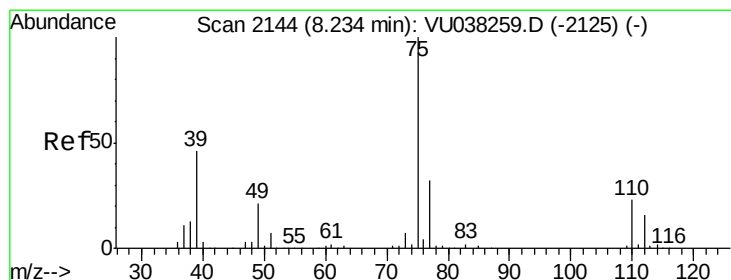
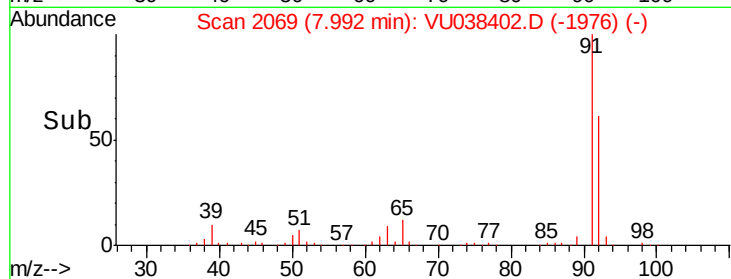
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.163 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. -0.00 min

Lab File: VU038402.D

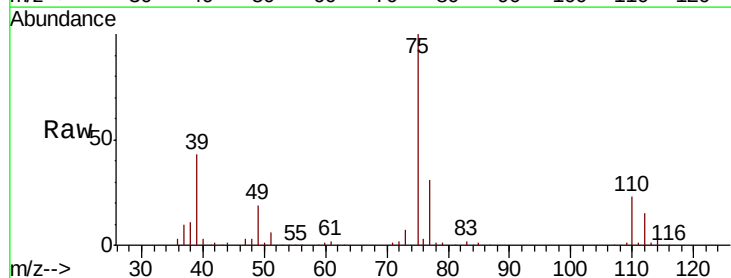
Acq: 30 May 2020 01:24

Tgt Ion: 75 Resp: 145521

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038259.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038259.D (-2125) (-)

8.23

100000

80000

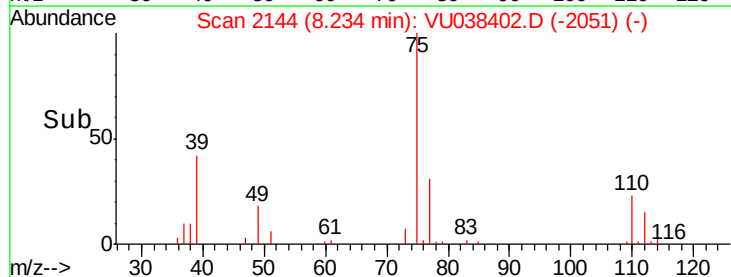
60000

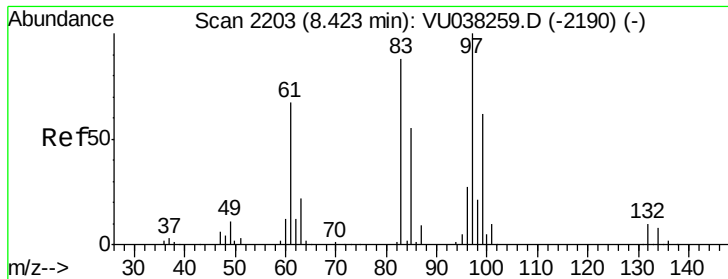
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.397 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 97 Resp: 86800

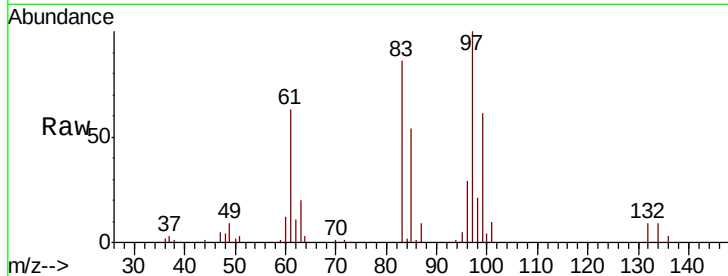
Ion Ratio Lower Upper

97 100

99 60.8 44.0 81.6

83 85.8 59.6 110.8

85 54.4 41.3 76.7

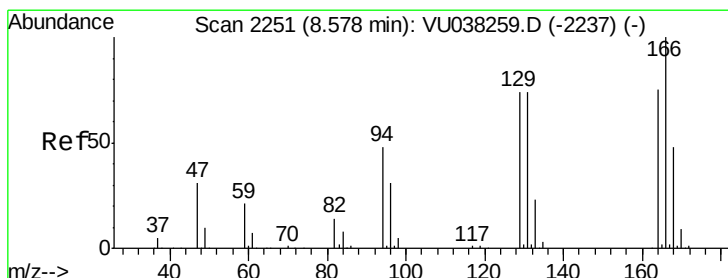
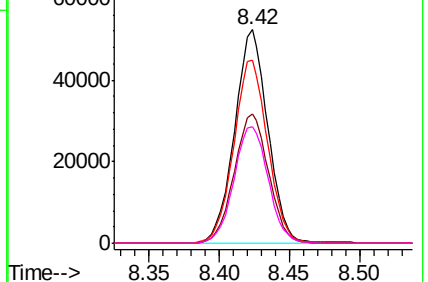
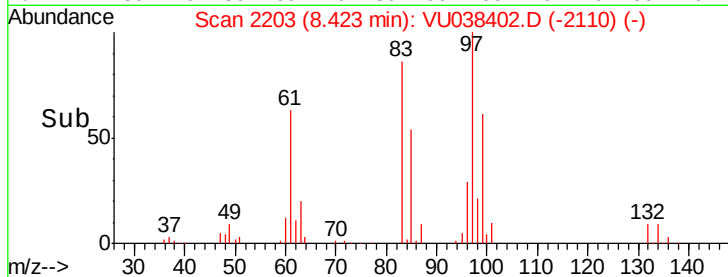


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 5.171 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Tgt Ion: 164 Resp: 77128

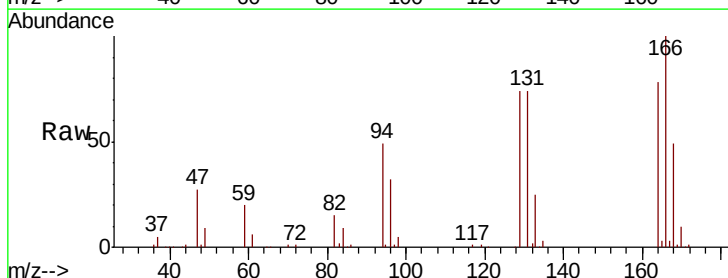
Ion Ratio Lower Upper

164 100

129 94.4 68.8 127.8

131 94.0 66.8 124.2

166 127.7 88.9 165.1

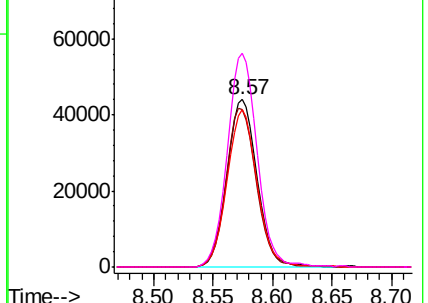
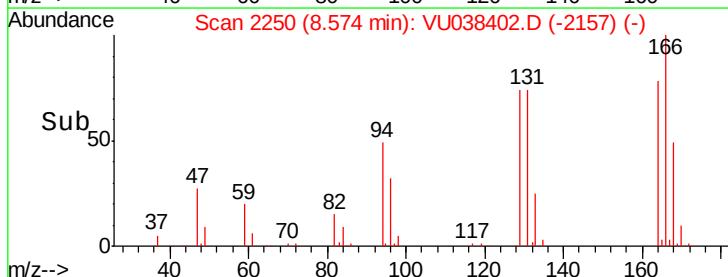


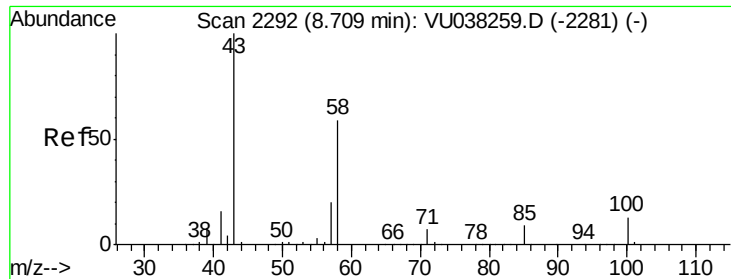
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

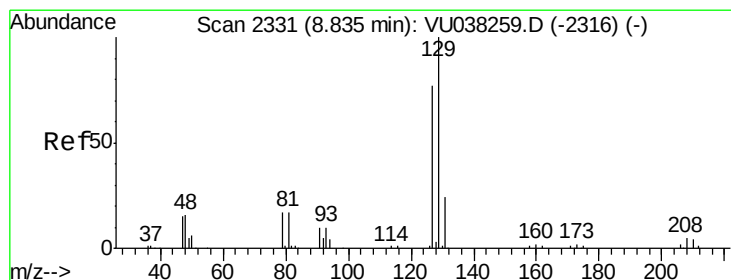
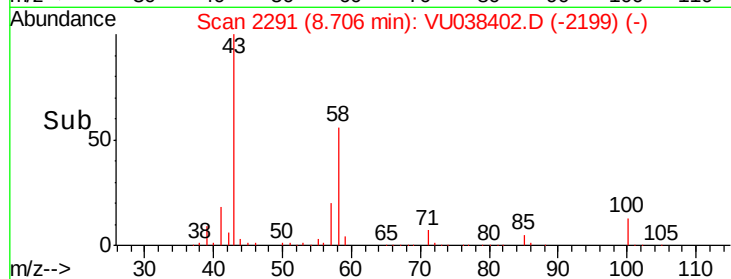
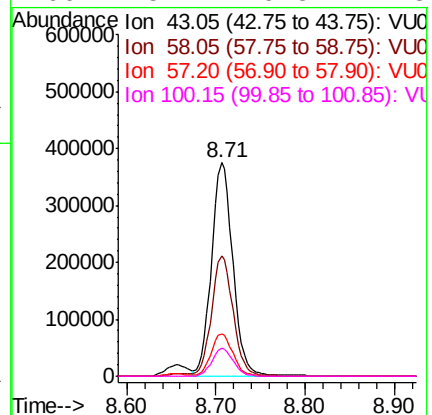
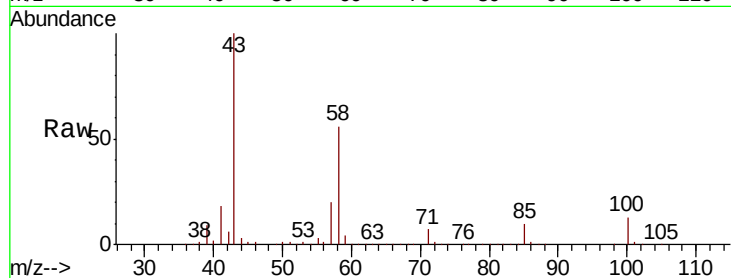




#48
2-Hexanone
Concen: 53.153 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

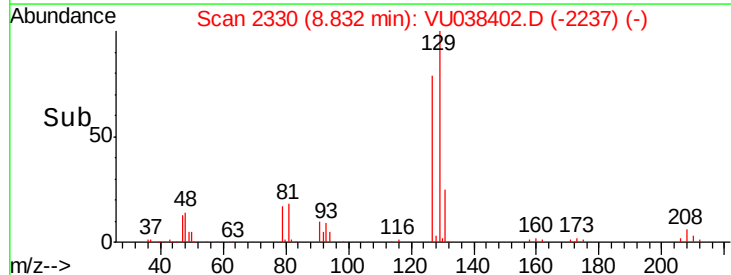
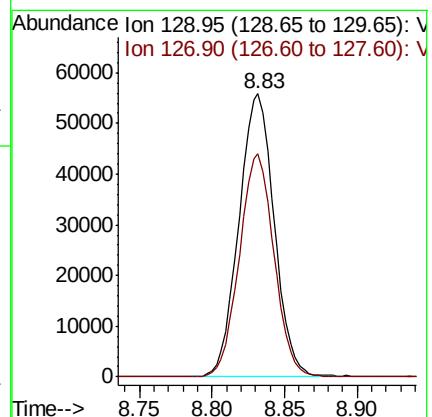
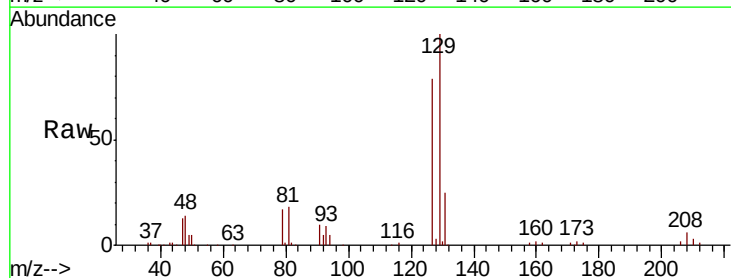
Instrument :
MSVOA_U
ClientSampleId :

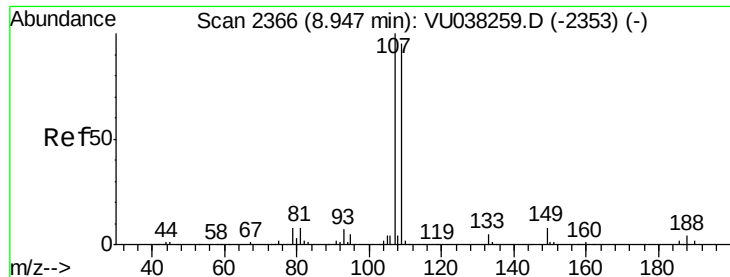
Tot Ion: 43 Resp: 624813
Ion Ratio Lower Upper
43 100
58 56.3 45.2 67.8
57 20.0 15.5 23.3
100 13.1 9.5 14.3



#49
Dibromochloromethane
Concen: 5.672 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Tgt Ion: 129 Resp: 94667
Ion Ratio Lower Upper
129 100
127 78.7 55.6 103.4

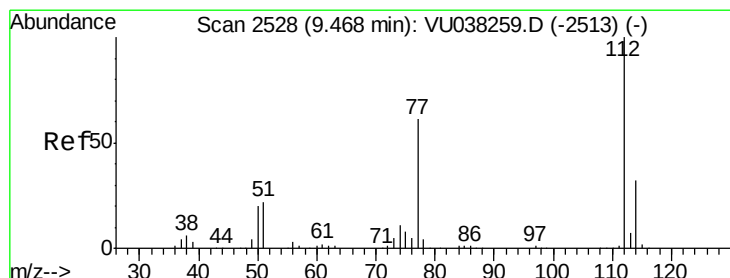
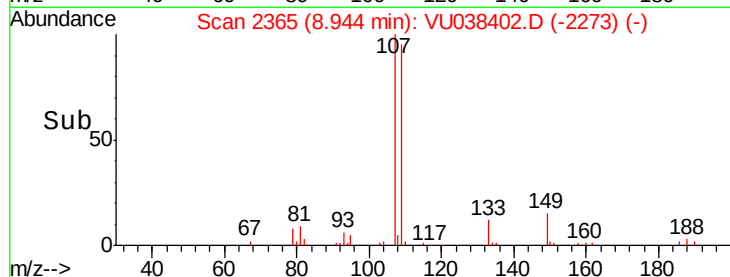
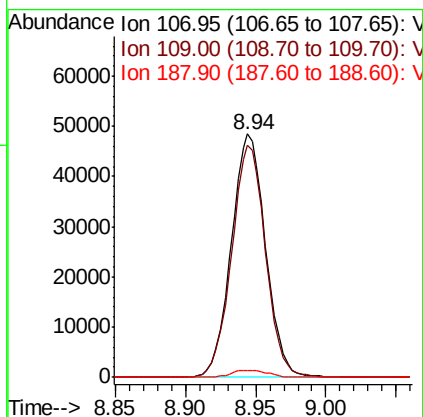
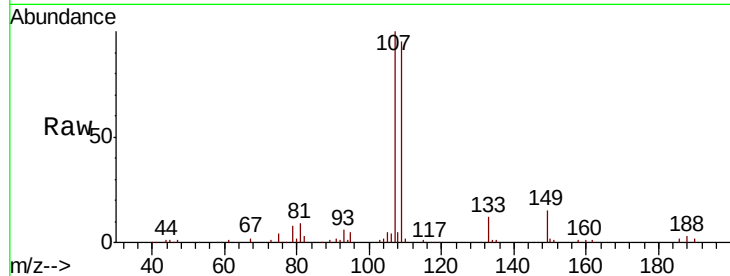




#50
 1,2-Dibromoethane
 Concen: 5.509 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

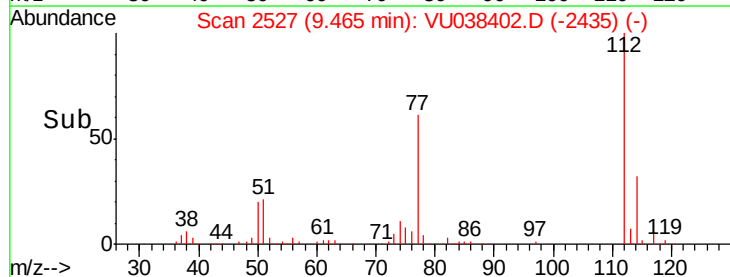
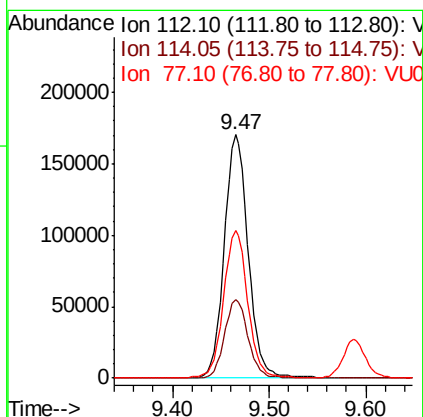
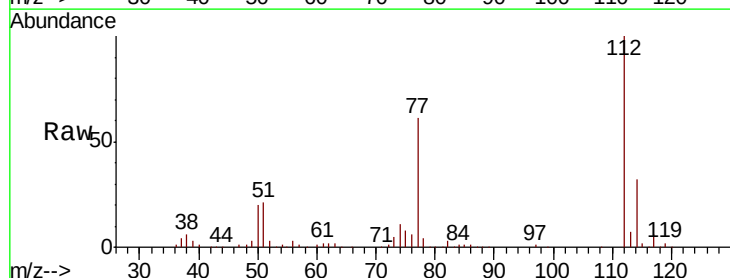
Instrument :
 MSVOA_U
 ClientSampleId :

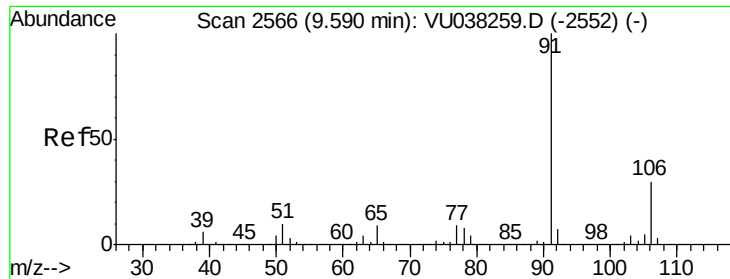
Tot Ion:107 Resp: 82226
 Ion Ratio Lower Upper
 107 100
 109 95.2 65.1 120.9
 188 3.0 2.6 4.0



#51
 Chlorobenzene
 Concen: 5.223 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion:112 Resp: 291738
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.5 41.7
 77 60.6 49.9 74.9





#52

Ethylbenzene

Concen: 5.069 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

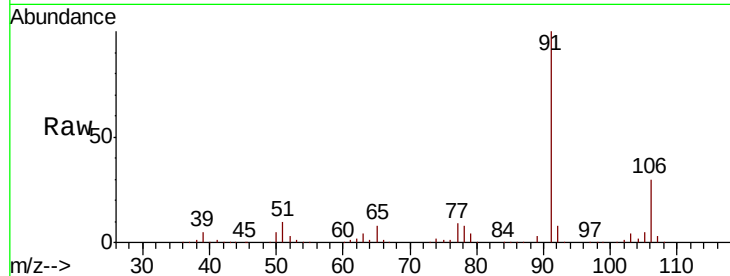
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 494243

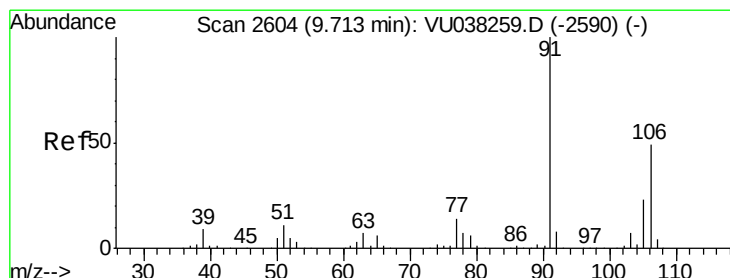
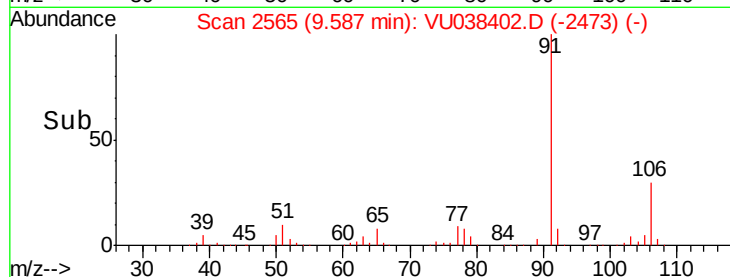
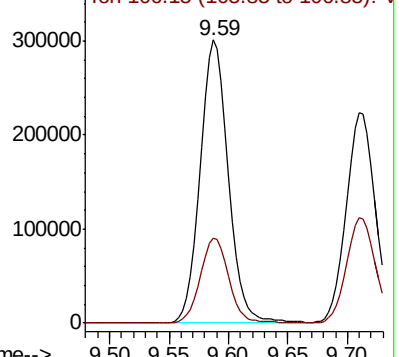
Ion Ratio Lower Upper

91 100

106 30.2 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VU038259.D (-2552) (-)



#53

m,p-Xylene

Concen: 5.134 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038402.D

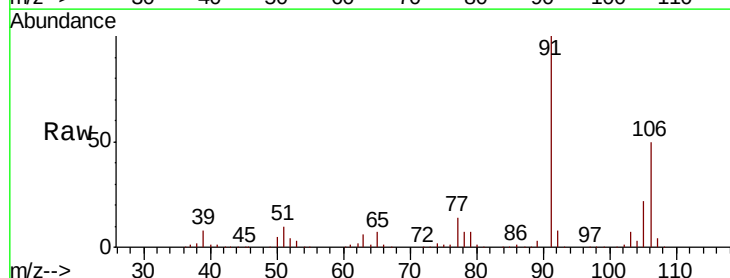
Acq: 30 May 2020 01:24

Tgt Ion: 106 Resp: 191953

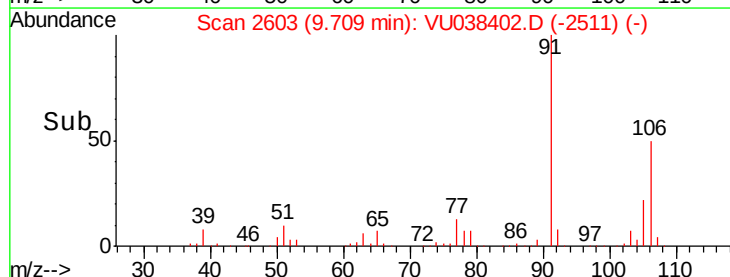
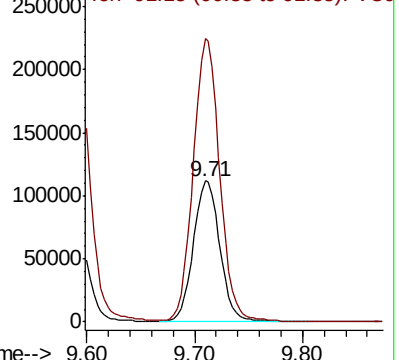
Ion Ratio Lower Upper

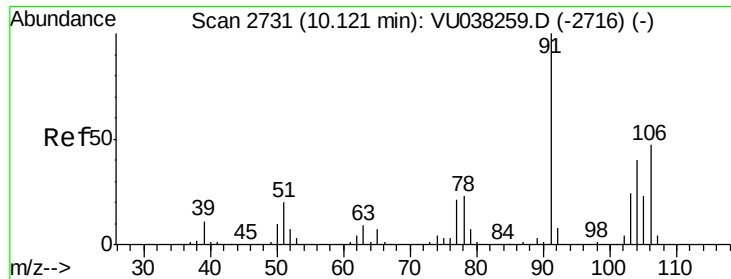
106 100

91 201.2 142.1 263.9



Abundance Ion 106.15 (105.85 to 106.85): VU038259.D (-2590) (-)

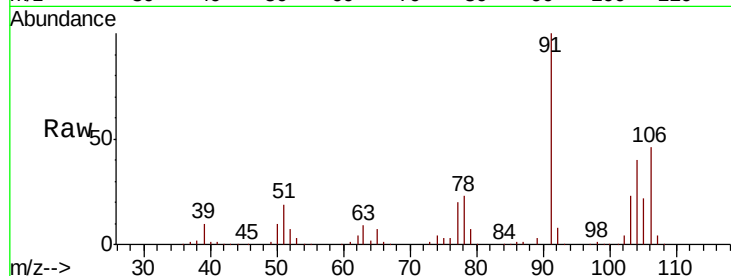




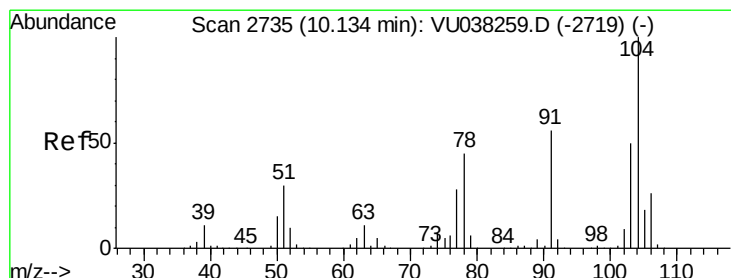
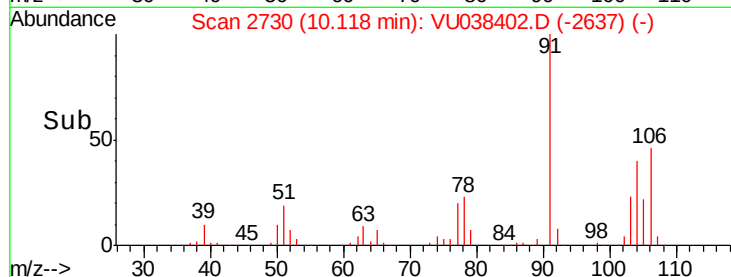
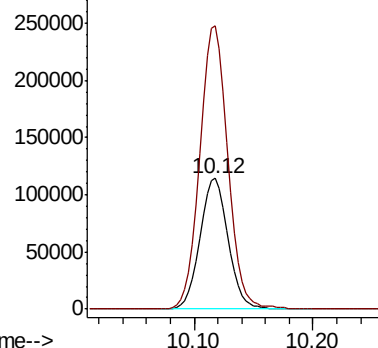
#54
o-Xylene
Concen: 5.194 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:106 Resp: 187729
Ion Ratio Lower Upper
106 100
91 217.0 148.5 275.9

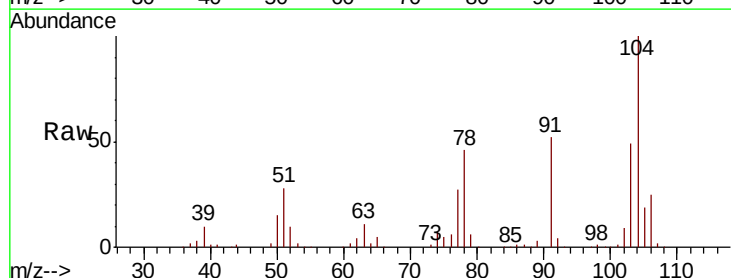


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

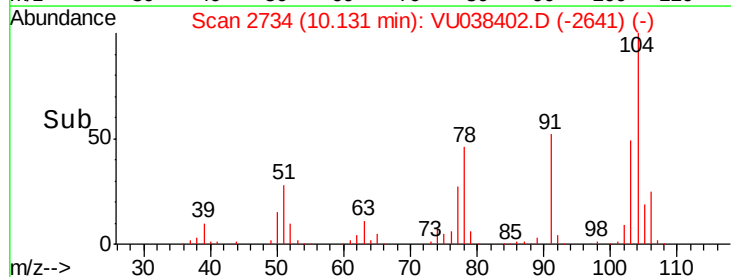
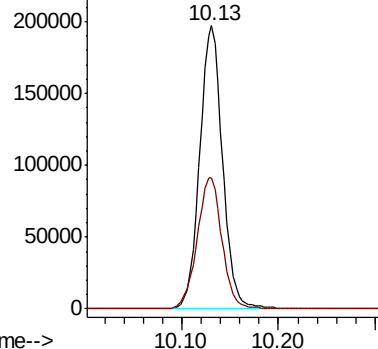


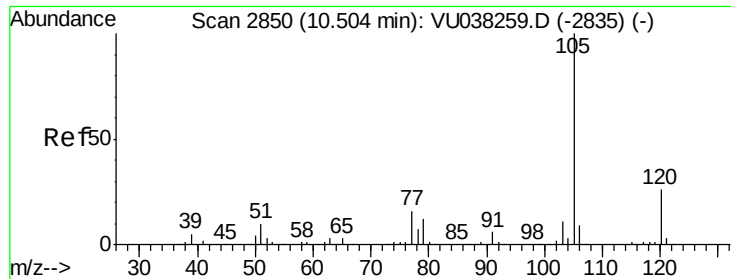
#55
Styrene
Concen: 5.319 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038402.D
Acq: 30 May 2020 01:24

Tgt Ion:104 Resp: 322729
Ion Ratio Lower Upper
104 100
78 46.2 32.3 59.9



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





#56

Isopropylbenzene

Concen: 5.105 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampleId :

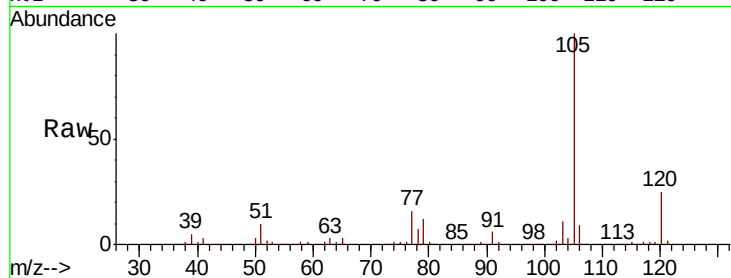
Tot Ion:105 Resp: 473965

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.6

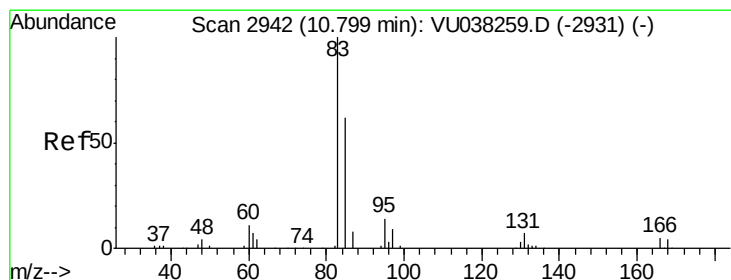
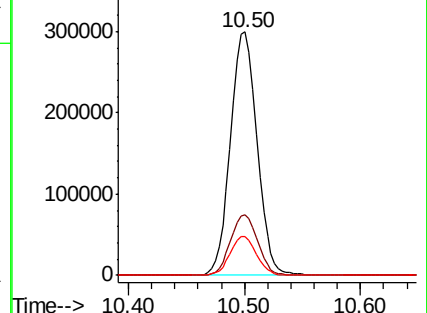
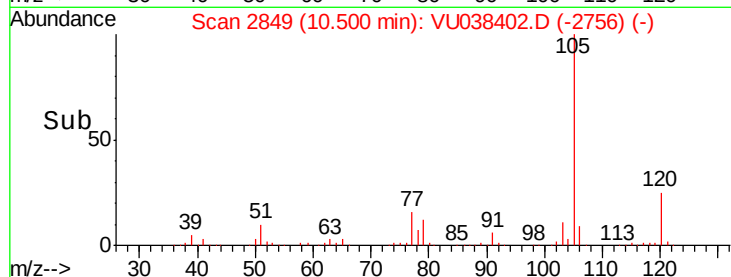
77 15.9 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.228 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

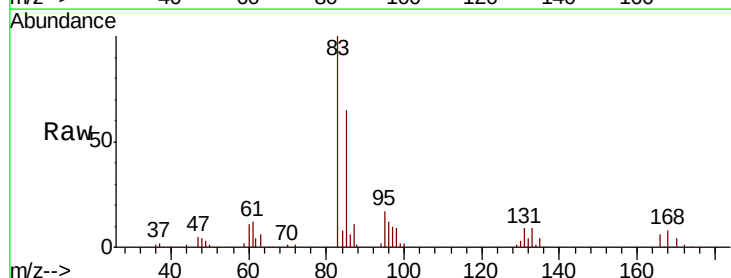
Tgt Ion: 83 Resp: 106753

Ion Ratio Lower Upper

83 100

85 65.2 47.0 87.2

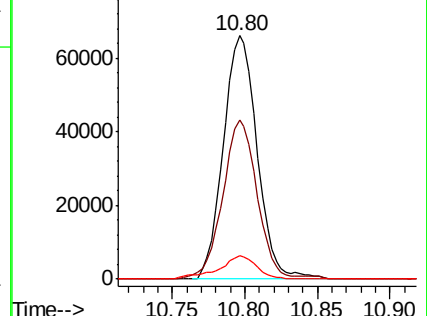
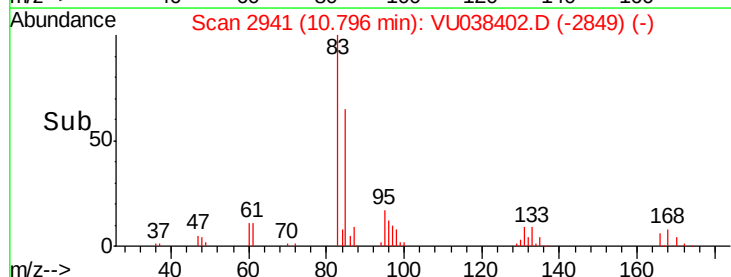
131 9.4 7.7 11.5

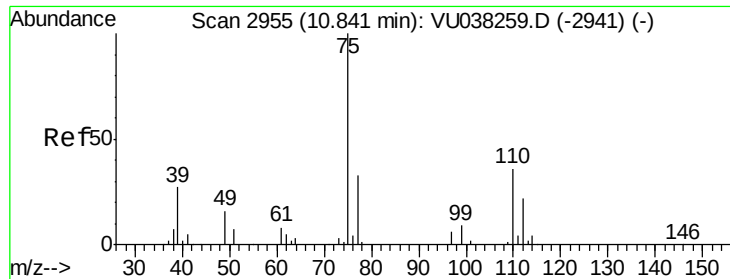


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

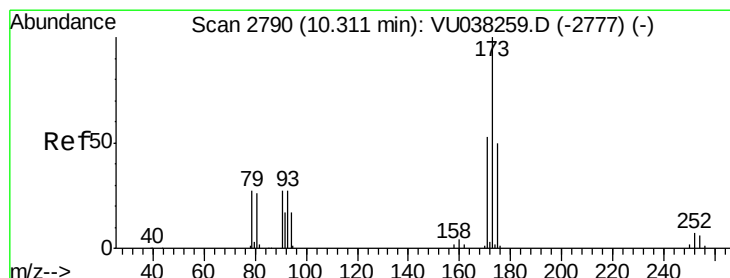
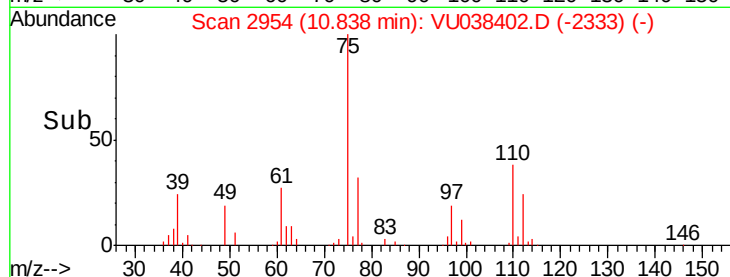
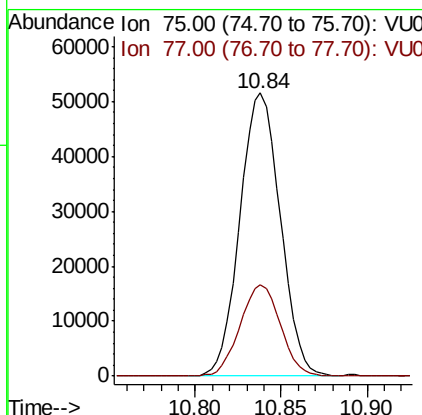
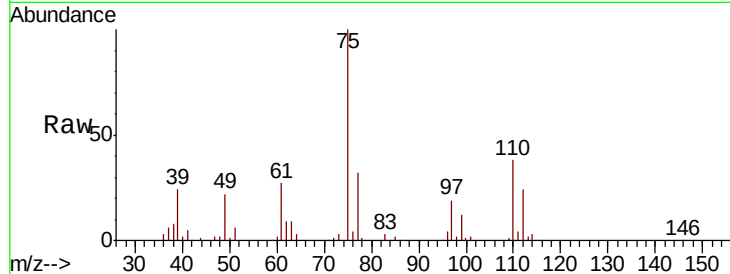




#59
 1,2,3-Trichloropropane
 Concen: 5.409 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

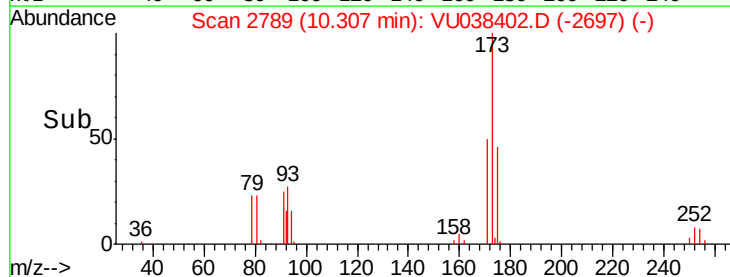
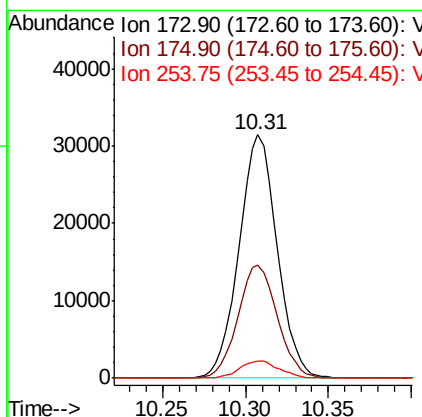
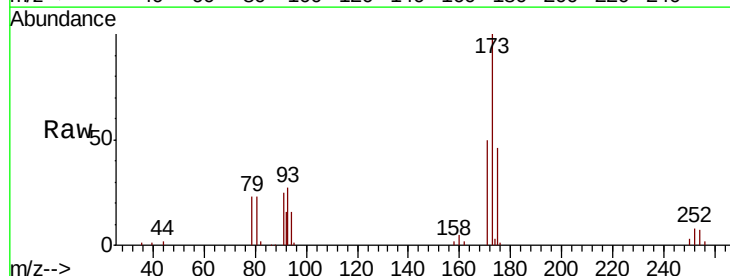
Instrument :
 MSVOA_U
 ClientSampled :

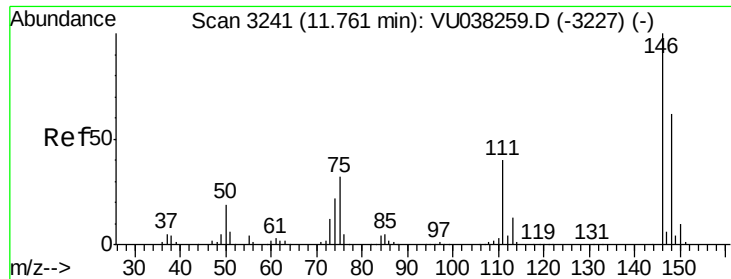
Tot Ion: 75 Resp: 84070
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.0



#61
 Bromoform
 Concen: 5.333 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion:173 Resp: 50188
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.5 59.3
 254 7.2 5.0 7.4





#62

1,3-Dichlorobenzene

Concen: 5.005 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038402.D

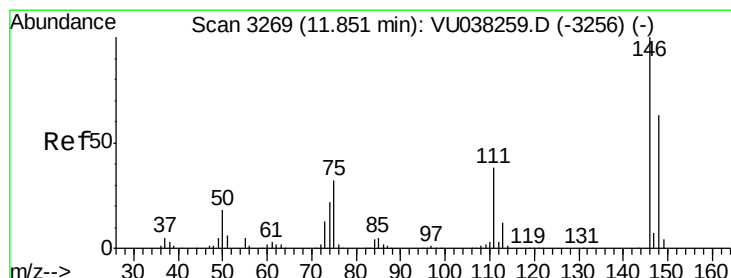
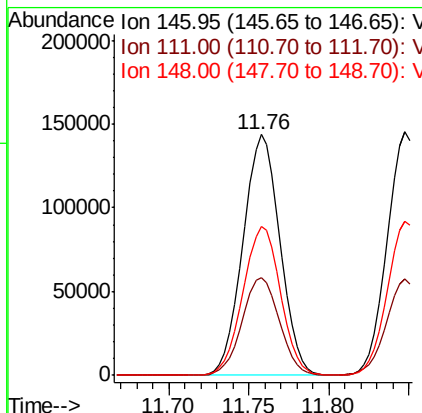
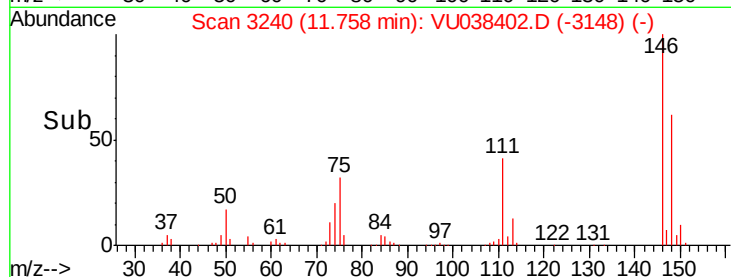
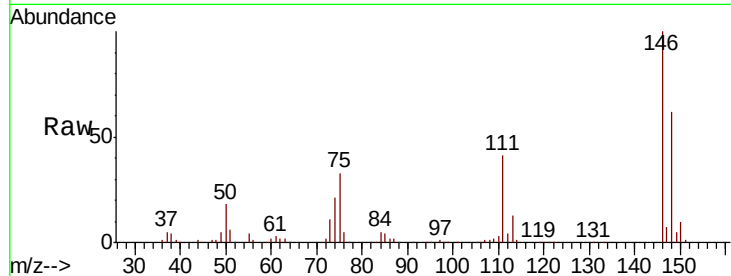
Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:	146	Resp:	226725
Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.2
148	61.9	45.2	84.0



#63

1,4-Dichlorobenzene

Concen: 4.981 ug/L

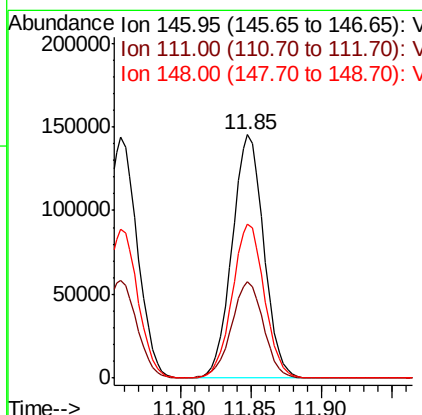
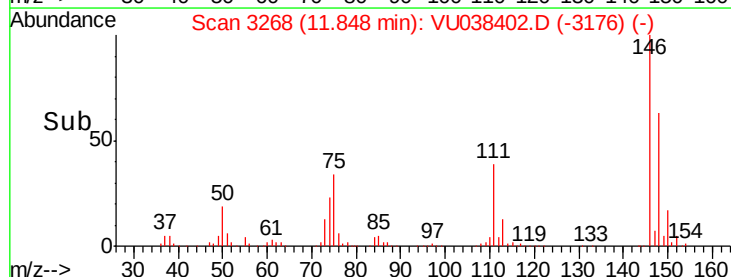
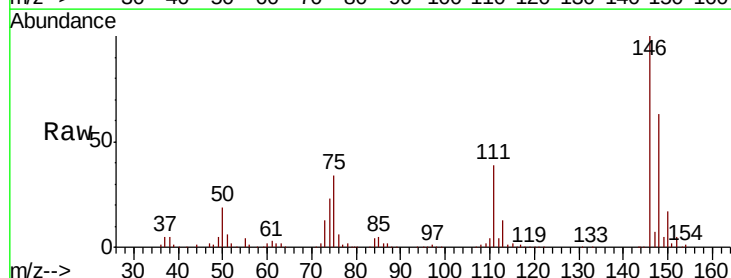
RT: 11.85 min Scan# 3268

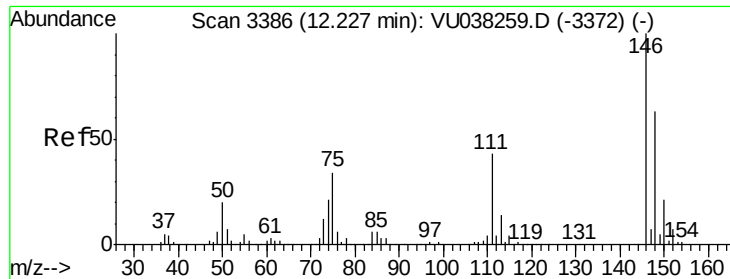
Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Tgt Ion:	146	Resp:	228668
Ion	Ratio	Lower	Upper
146	100		
111	39.4	27.2	50.6
148	63.5	43.8	81.3





#65

1,2-Dichlorobenzene

Concen: 5.042 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampleId :

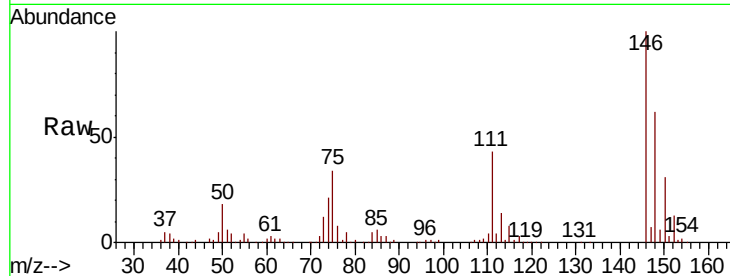
Tot Ion:146 Resp: 219760

Ion Ratio Lower Upper

146 100

111 42.9 35.3 52.9

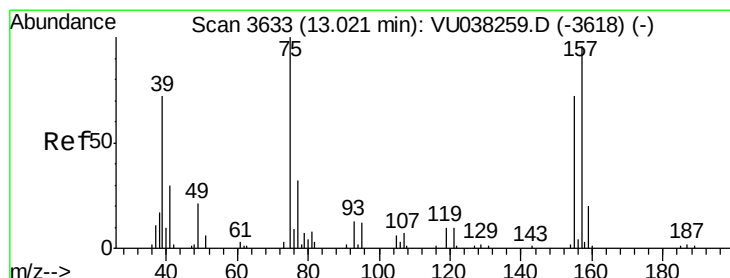
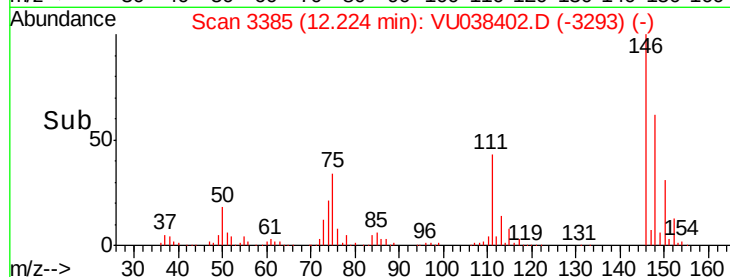
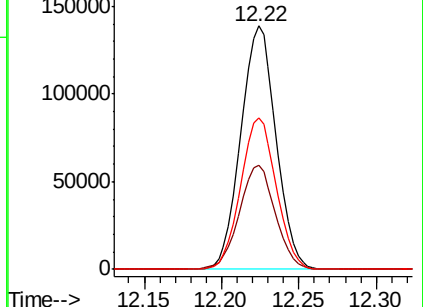
148 62.4 51.0 76.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.956 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.01 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

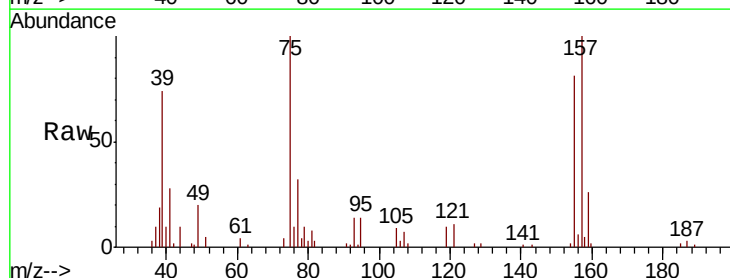
Tgt Ion: 75 Resp: 17654

Ion Ratio Lower Upper

75 100

155 81.2 58.2 87.2

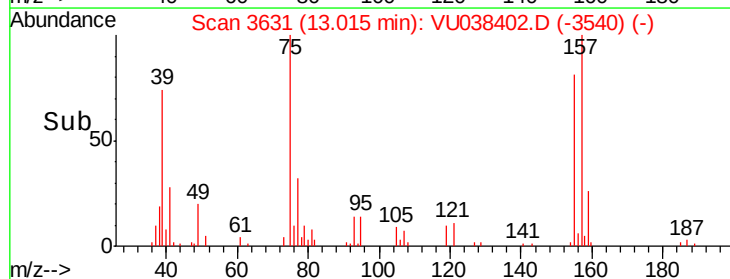
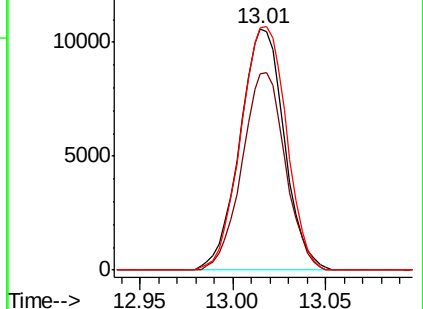
157 100.5 72.9 109.3

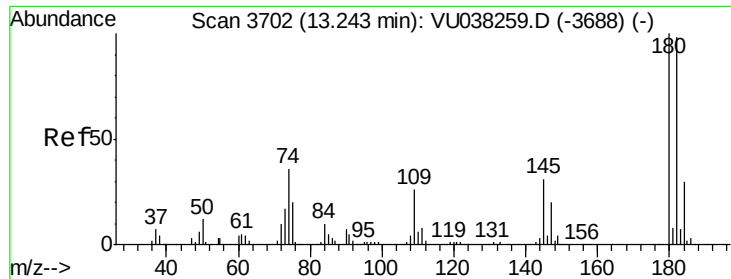


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

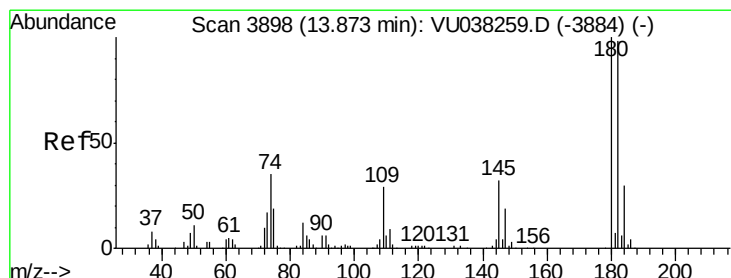
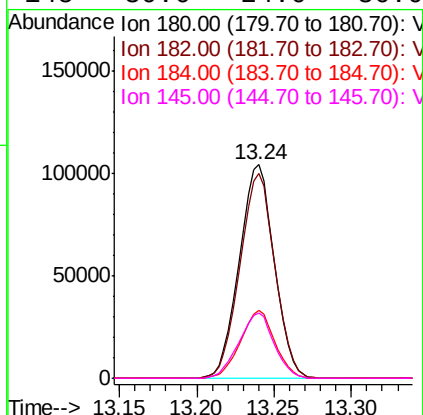
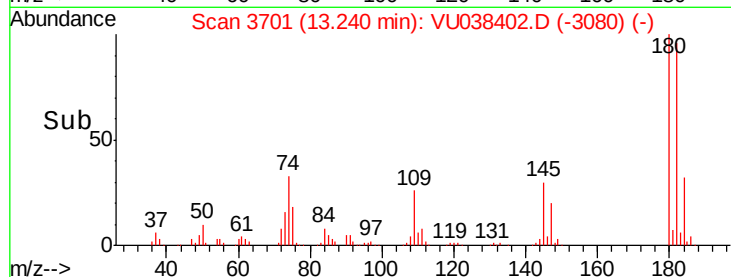
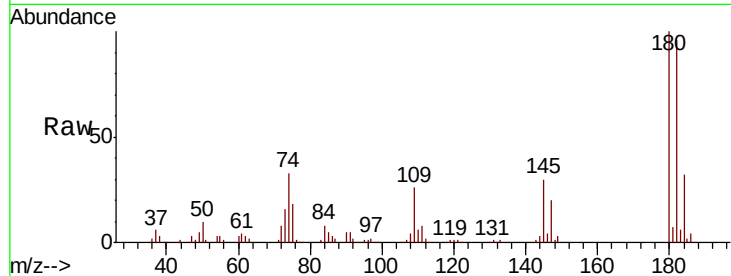




#67
 1,3,5-Trichlorobenzene
 Concen: 4.994 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

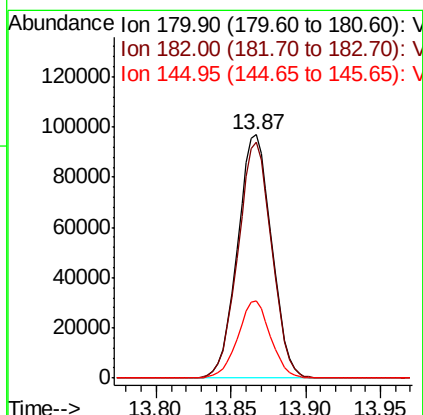
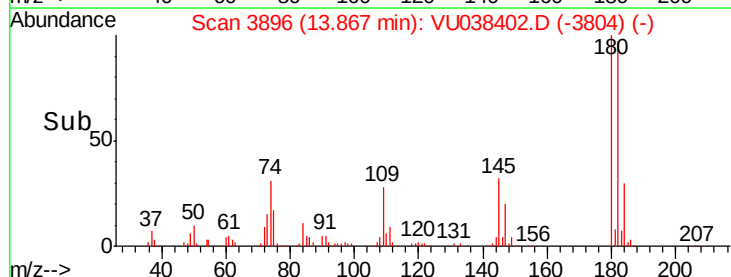
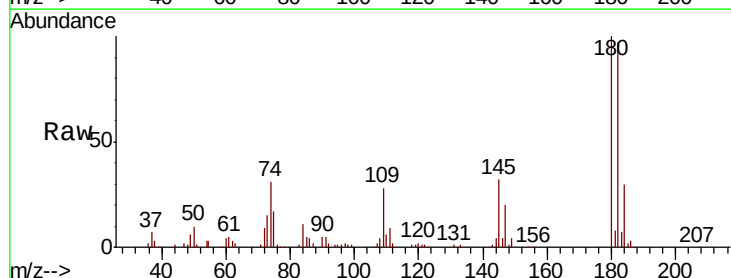
Instrument :
 MSVOA_U
 ClientSampleId :

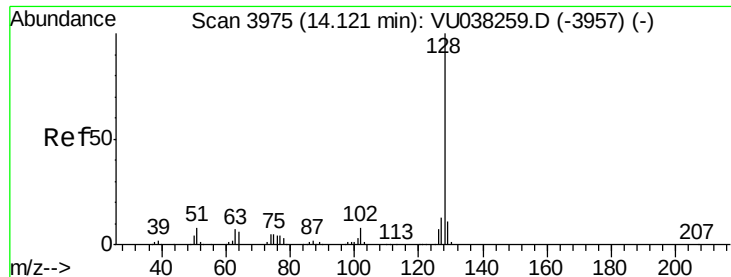
Tot Ion:180	Resp:	164152
Ion	Ratio	Lower Upper
180	100	
182	95.8	77.4 116.2
184	31.0	24.2 36.2
145	30.6	24.0 36.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.149 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. -0.00 min
 Lab File: VU038402.D
 Acq: 30 May 2020 01:24

Tgt Ion:180	Resp:	153503
Ion	Ratio	Lower Upper
180	100	
182	95.8	75.0 112.6
145	30.5	24.8 37.2





#69

Naphthalene

Concen: 5.137 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

Instrument :

MSVOA_U

ClientSampleId :

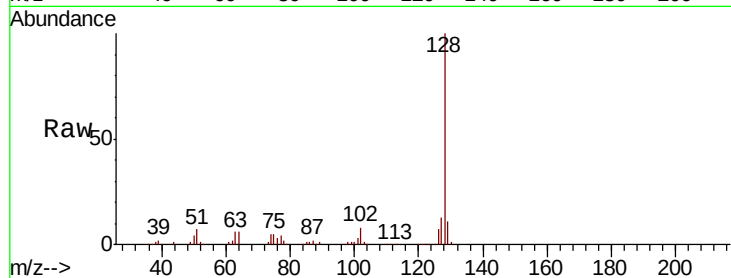
Tot Ion:128 Resp: 322431

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

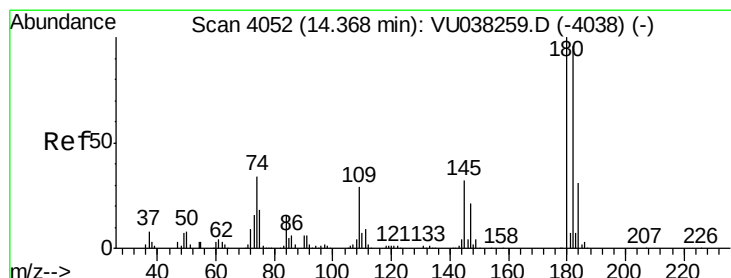
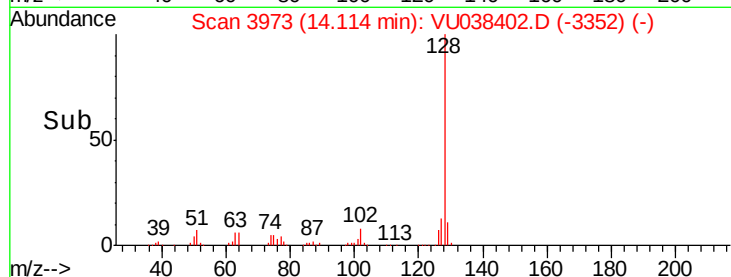
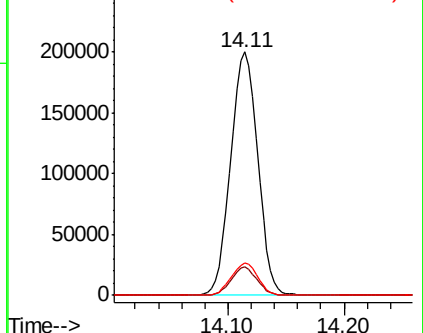
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.296 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038402.D

Acq: 30 May 2020 01:24

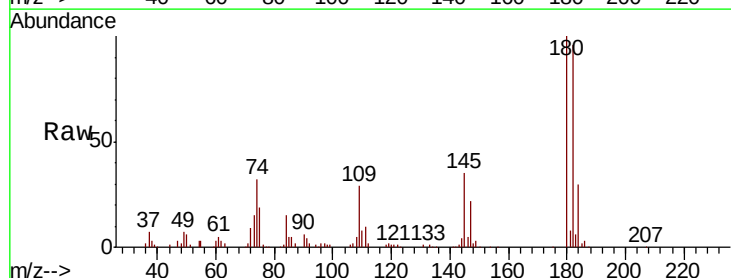
Tgt Ion:180 Resp: 146775

Ion Ratio Lower Upper

180 100

182 94.8 76.3 114.5

145 33.2 26.1 39.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

