

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
 Data File : VU038633.D
 Acq On : 06 Jun 2020 21:53
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Quant Time: Jun 07 04:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sun Jun 07 04:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	292848	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	284832	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	144151	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	85957	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.93	69	75829	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.20%
11) 1,1-Dichloroethene-d2	2.59	63	178816	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.68	46	350243	60.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.66%
24) Chloroform-d	5.10	84	199794	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.20%
26) 1,2-Dichloroethane-d4	5.74	65	111258	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.00%
32) Benzene-d6	5.76	84	378633	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.72	67	118882	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.80%
41) Toluene-d8	7.92	98	329539	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.40%
43) trans-1,3-Dichloropropene-	8.20	79	50626	5.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.60%
46) 2-Hexanone-d5	8.65	63	290205	62.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	105841	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	133042	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	96364	4.175	ug/L	98
3) Chloromethane	1.53	50	87880	4.146	ug/L	100
5) Vinyl chloride	1.62	62	98480	4.336	ug/L	97
6) Bromomethane	1.87	94	45680	4.143	ug/L	99
8) Chloroethane	1.95	64	61345	4.508	ug/L	95
9) Trichlorofluoromethane	2.16	101	141997	4.713	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	81643	4.601	ug/L	97
12) 1,1-Dichloroethene	2.60	96	81893	4.541	ug/L	96
13) Acetone	2.68	43	204539	54.283	ug/L	99
14) Carbon disulfide	2.82	76	230537	3.767	ug/L	100
15) Methyl Acetate	2.99	43	49174	5.327	ug/L	98
16) Methylene chloride	3.08	84	101481	4.972	ug/L	99
17) Methyl tert-butyl Ether	3.40	73	258537	5.467	ug/L	99
18) trans-1,2-Dichloroethene	3.39	96	90781	4.671	ug/L	96
19) 1,1-Dichloroethane	3.91	63	179797	5.169	ug/L	98
21) 2-Butanone	4.76	43	350198	55.256	ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	104835	5.009	ug/L	95

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :
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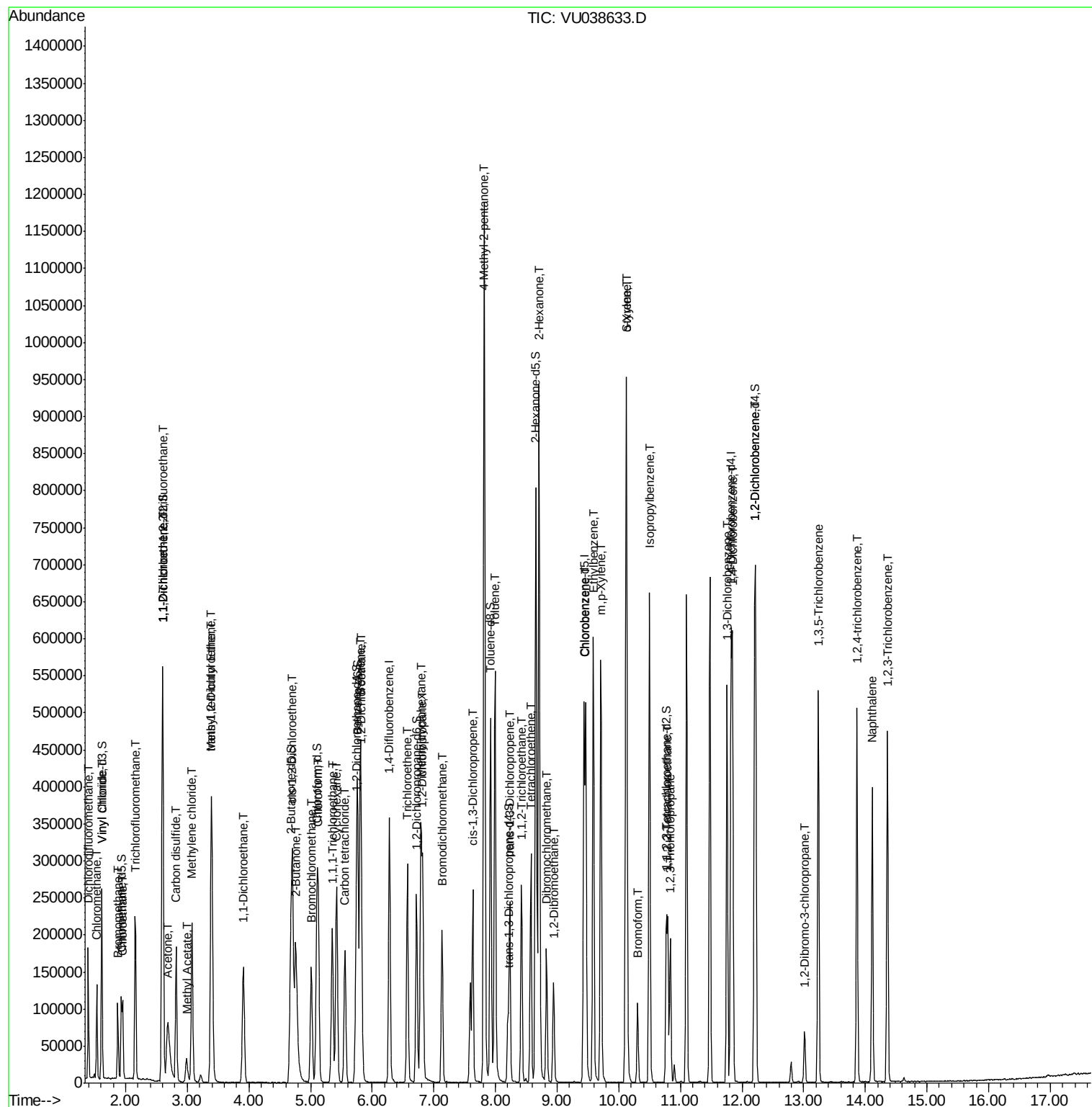
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	50495	5.361	ug/L	95
25) Chloroform	5.13	83	188368	5.331	ug/L	99
27) 1,2-Dichloroethane	5.83	62	132215	5.315	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	154340	5.121	ug/L	99
30) Cyclohexane	5.42	56	135249	4.279	ug/L	97
31) Carbon tetrachloride	5.56	117	121653	4.848	ug/L	100
33) Benzene	5.81	78	392795	4.945	ug/L	100
34) Trichloroethene	6.57	95	99326	4.818	ug/L	97
35) Methylcyclohexane	6.79	83	137452	4.307	ug/L	96
37) 1,2-Dichloropropane	6.82	63	103305	5.169	ug/L	100
38) Bromodichloromethane	7.13	83	133744	5.388	ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	151945	5.144	ug/L	100
40) 4-Methyl-2-pentanone	7.82	43	779717	54.550	ug/L	99
42) Toluene	7.99	91	406813	4.883	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	133295	5.109	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	82404	5.465	ug/L	99
47) Tetrachloroethene	8.57	164	70058	4.677	ug/L	97
48) 2-Hexanone	8.71	43	591811	54.672	ug/L	100
49) Dibromochloromethane	8.83	129	89613	5.506	ug/L	97
50) 1,2-Dibromoethane	8.94	107	76876	5.324	ug/L	100
51) Chlorobenzene	9.47	112	264183	4.917	ug/L	97
52) Ethylbenzene	9.59	91	436847	4.713	ug/L	100
53) m,p-Xylene	9.71	106	168971	4.740	ug/L	98
54) o-Xylene	10.12	106	169989	4.968	ug/L	99
55) Styrene	10.13	104	295622	5.089	ug/L	98
56) Isopropylbenzene	10.50	105	430595	4.781	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	104248	5.440	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	81435	5.459	ug/L	98
61) Bromoform	10.31	173	48607	5.413	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	212688	5.022	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	210928	4.911	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	207077	5.149	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17889	5.494	ug/L	92
67) 1,3,5-Trichlorobenzene	13.24	180	156507	4.953	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	146909	5.023	ug/L	100
69) Naphthalene	14.11	128	309200	5.312	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	138081	5.189	ug/L	98

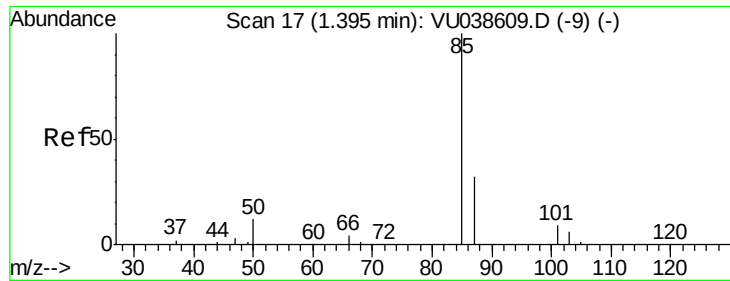
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.175 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

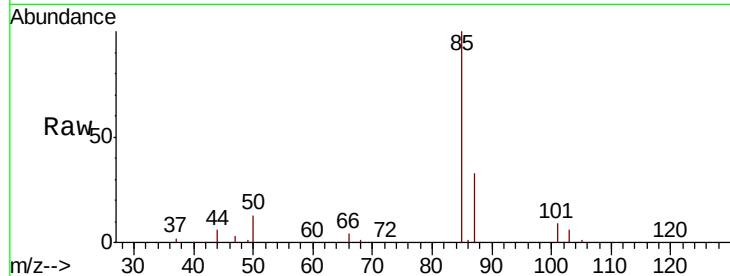
VSTD00515

Tot Ion: 85 Resp: 96364

Ion Ratio Lower Upper

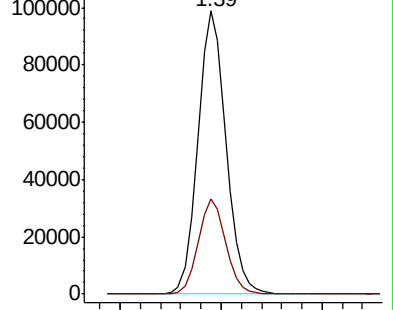
85 100

87 32.8 25.2 37.8

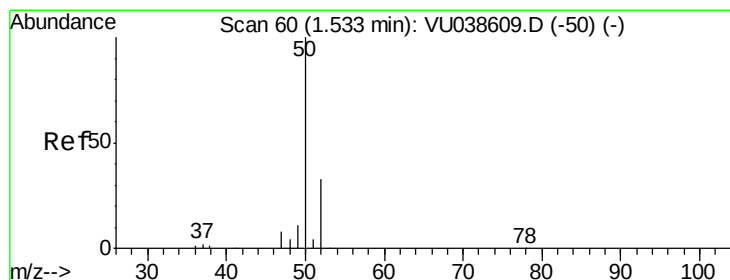
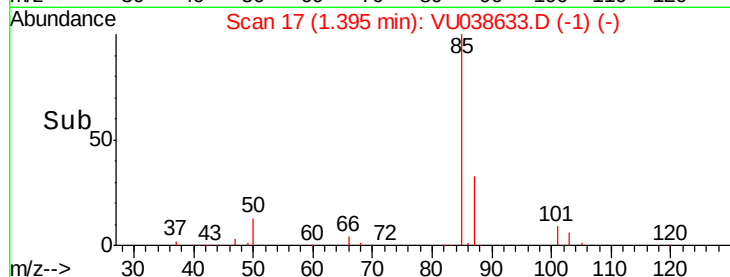


Abundance Ion 85.00 (84.70 to 85.70): VU038633.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038633.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.146 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038633.D

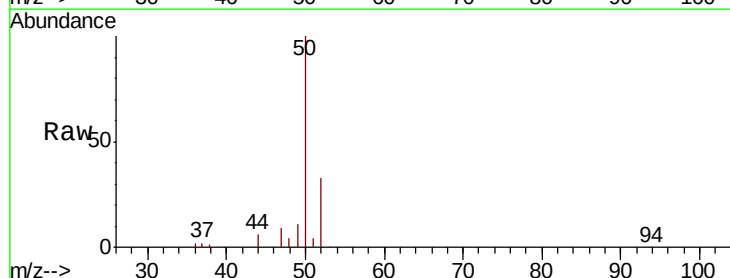
Acq: 06 Jun 2020 21:53

Tgt Ion: 50 Resp: 87880

Ion Ratio Lower Upper

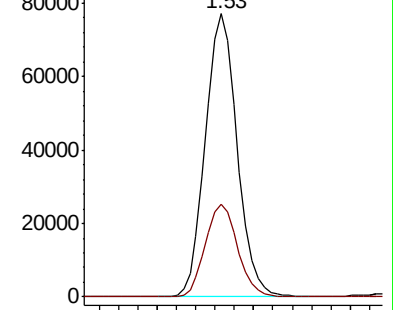
50 100

52 32.9 22.9 42.5

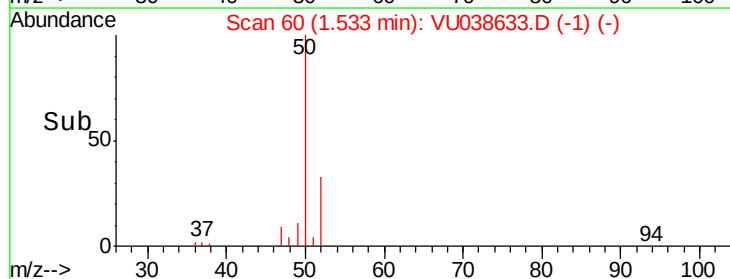


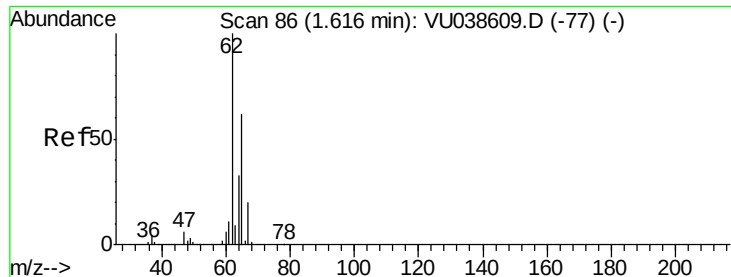
Abundance Ion 50.05 (49.75 to 50.75): VU038633.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU038633.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.336 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

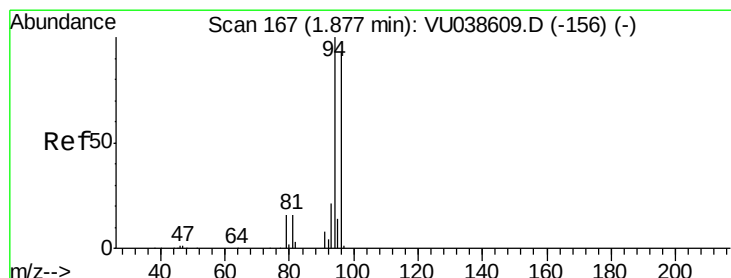
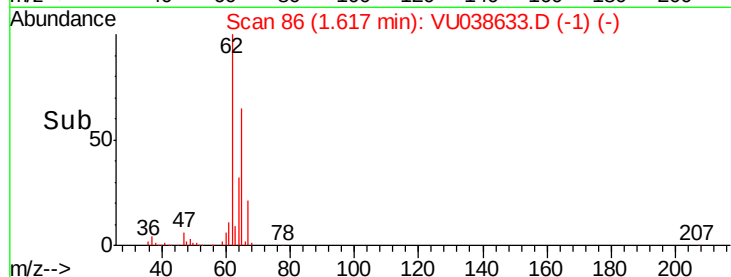
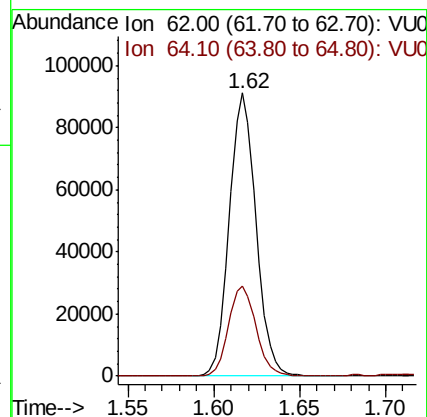
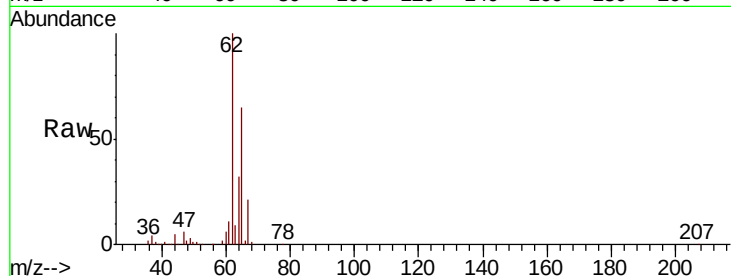
VSTD00515

Tot Ion: 62 Resp: 98480

Ion Ratio Lower Upper

62 100

64 31.9 23.7 43.9



#6

Bromomethane

Concen: 4.143 ug/L

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU038633.D

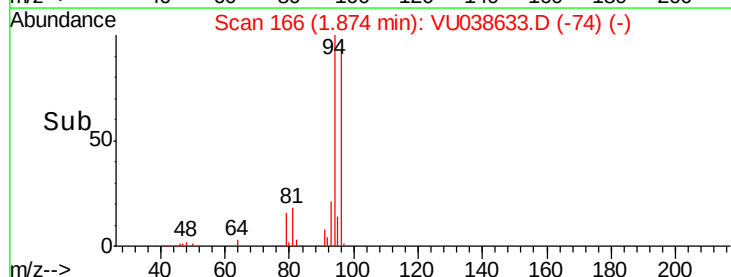
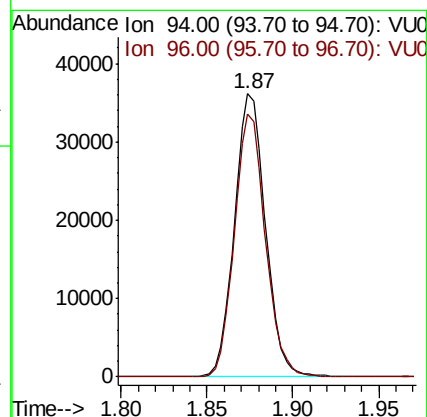
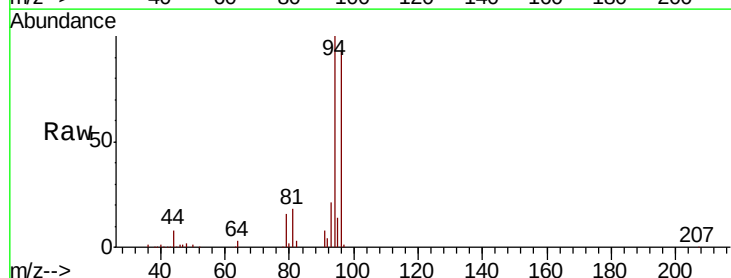
Acq: 06 Jun 2020 21:53

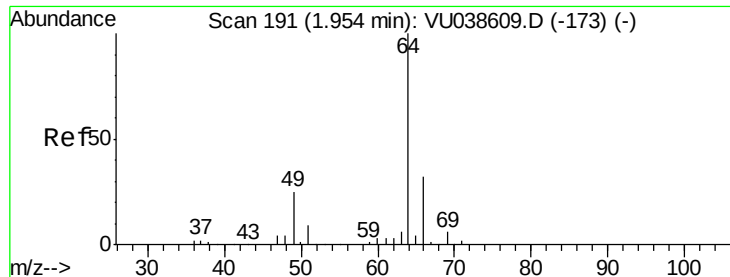
Tgt Ion: 94 Resp: 45680

Ion Ratio Lower Upper

94 100

96 92.9 65.5 121.6

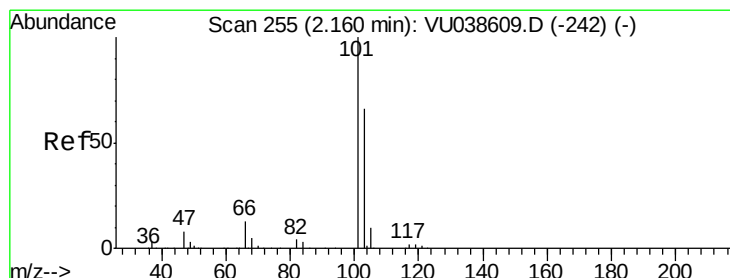
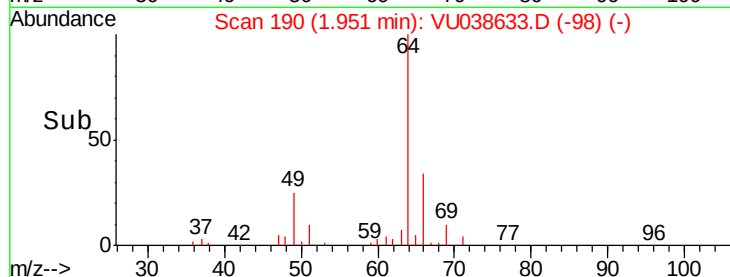
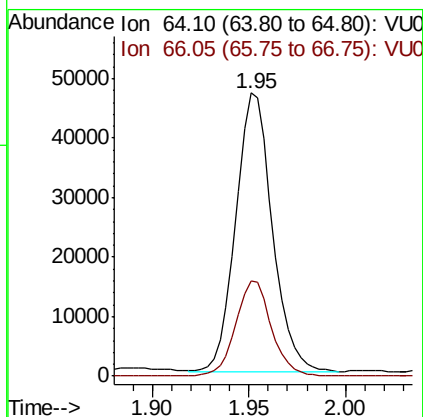
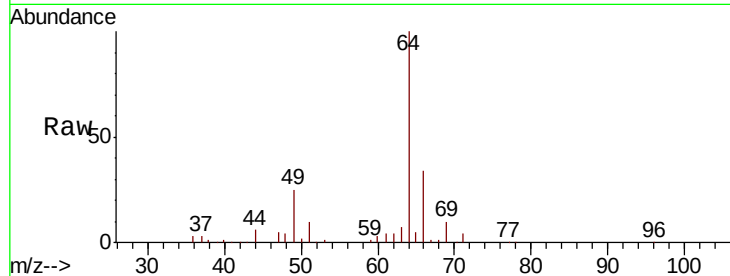




#8
Chloroethane
Concen: 4.508 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

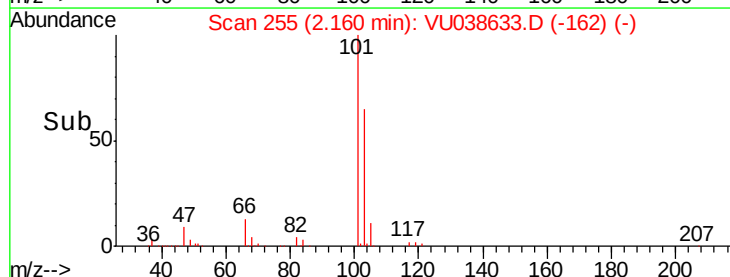
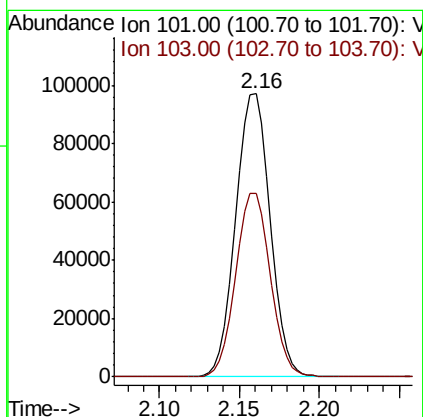
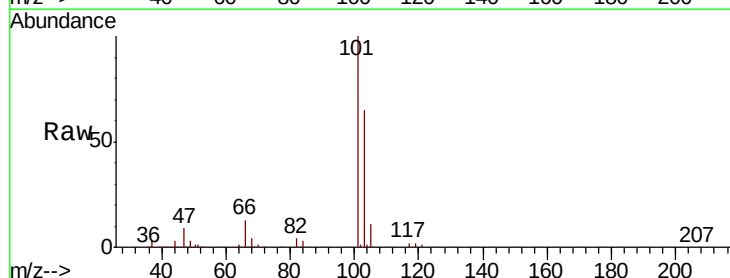
Instrument :
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VSTD00515

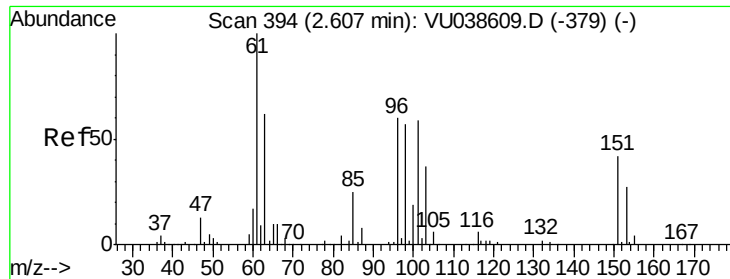
Tot Ion: 64 Resp: 61345
Ion Ratio Lower Upper
64 100
66 33.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.713 ug/L
RT: 2.16 min Scan# 255
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion:101 Resp: 141997
Ion Ratio Lower Upper
101 100
103 65.2 51.1 76.7





#10

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

Concen: 4.601 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

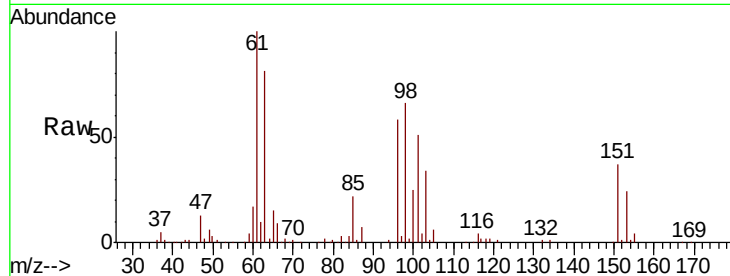
Tot Ion:101 Resp: 81643

Ion Ratio Lower Upper

101 100

85 44.3 34.0 51.0

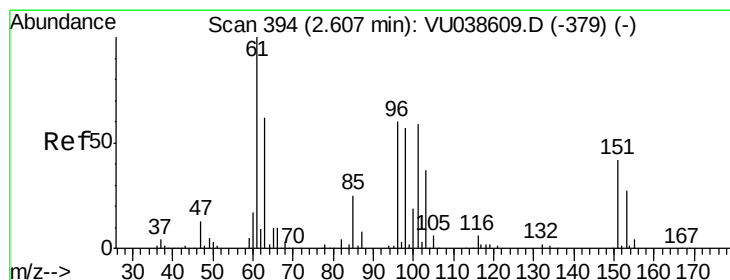
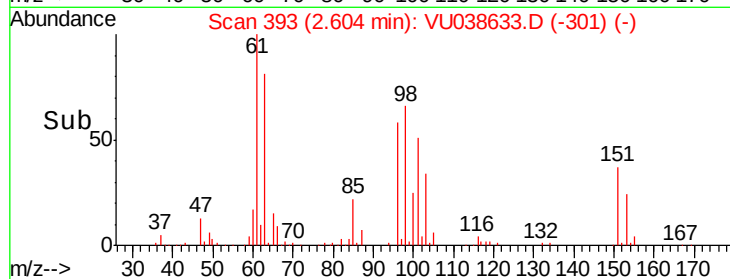
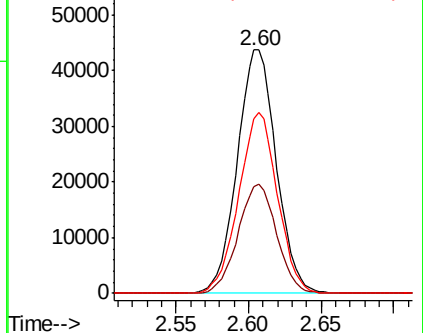
151 73.8 56.9 85.3



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: 4.541 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

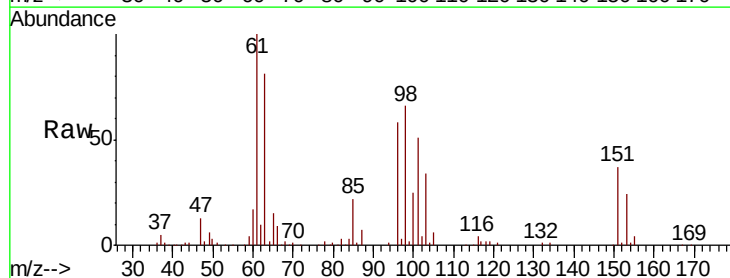
Tgt Ion: 96 Resp: 81893

Ion Ratio Lower Upper

96 100

61 171.3 119.9 222.7

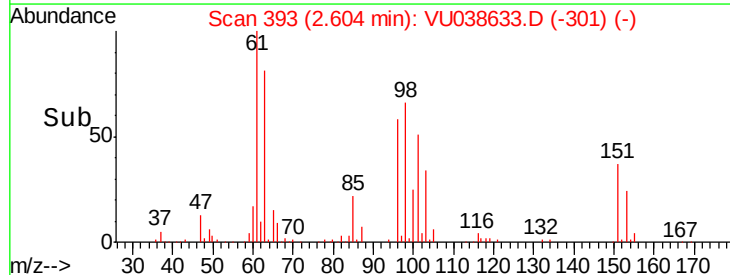
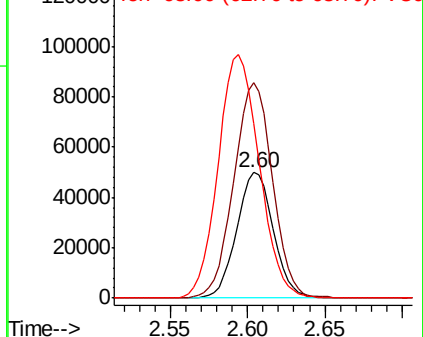
63 139.4 89.9 167.0

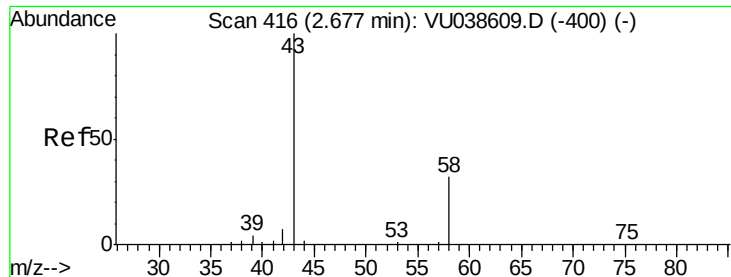


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 54.283 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.01 min

Lab File: VU038633.D

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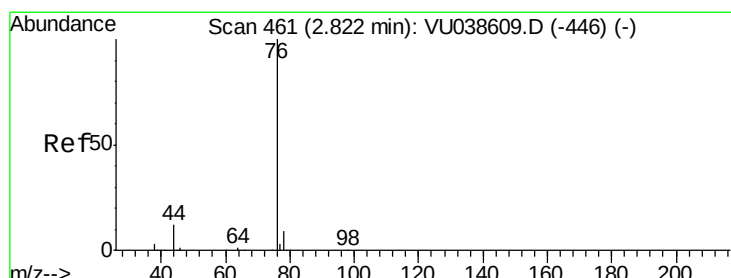
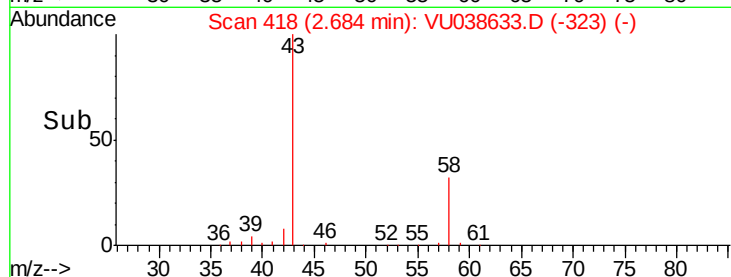
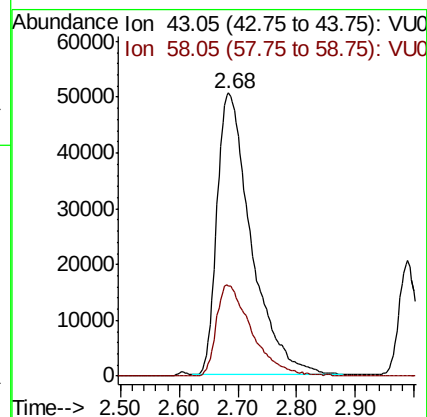
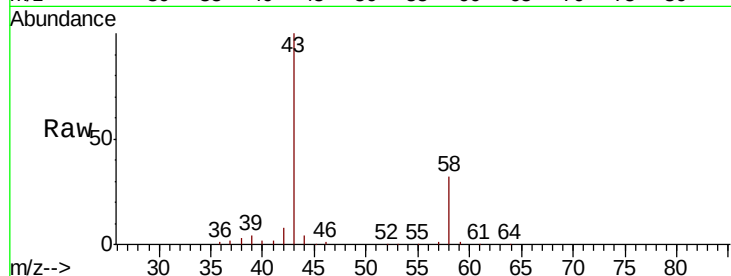
VSTD00515

Tot Ion: 43 Resp: 204539

Ion Ratio Lower Upper

43 100

58 33.2 0.0 65.6



#14

Carbon disulfide

Concen: 3.767 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU038633.D

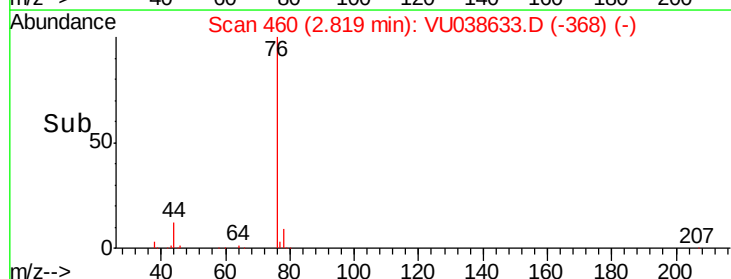
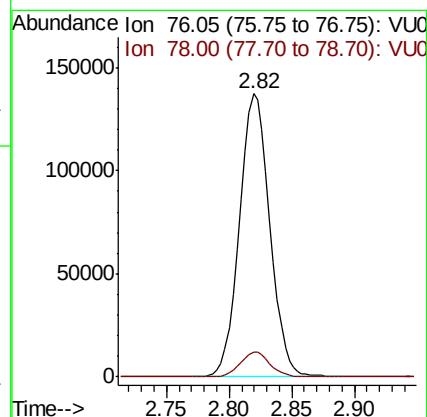
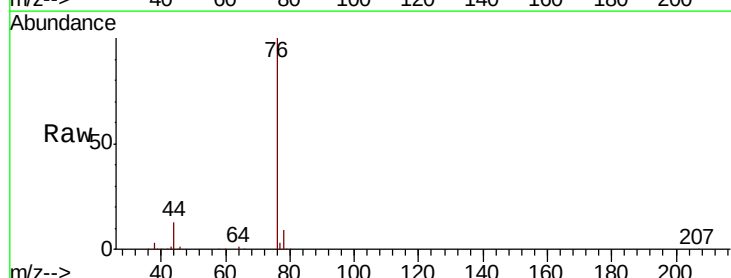
Acq: 06 Jun 2020 21:53

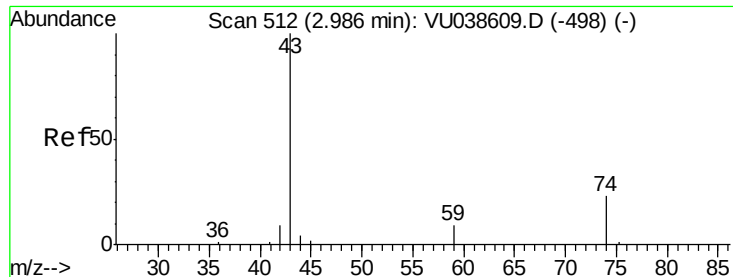
Tgt Ion: 76 Resp: 230537

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

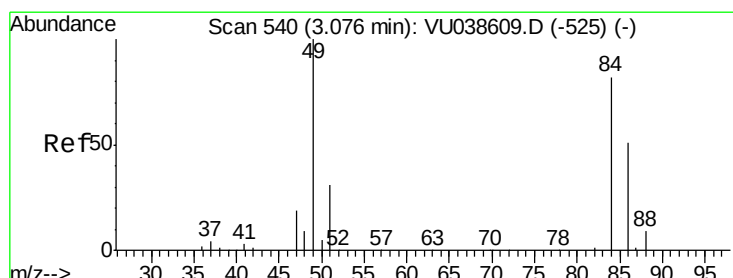
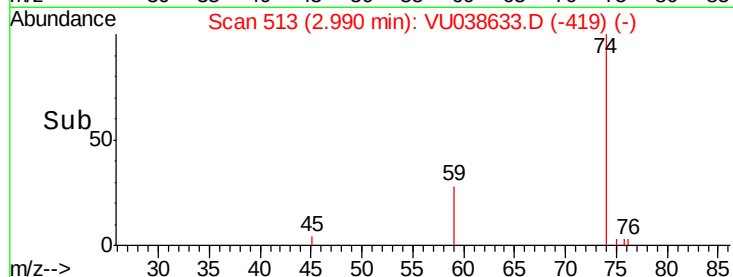
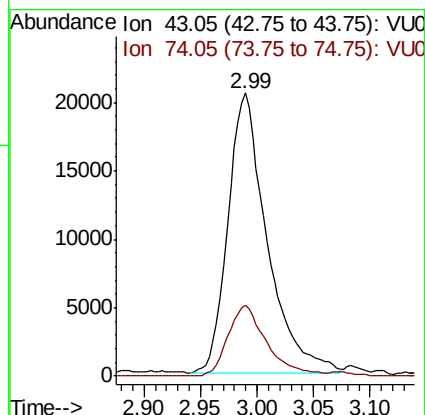
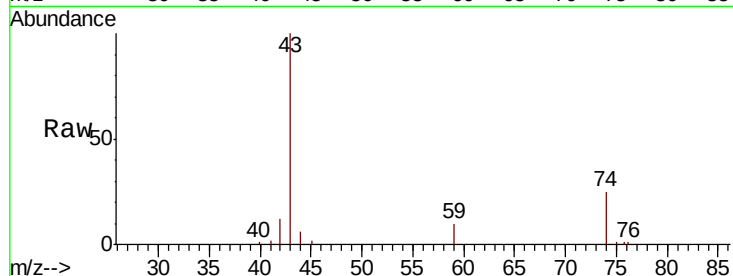




#15
Methvl Acetate
Concen: 5.327 ug/L
RT: 2.99 min Scan# 513
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

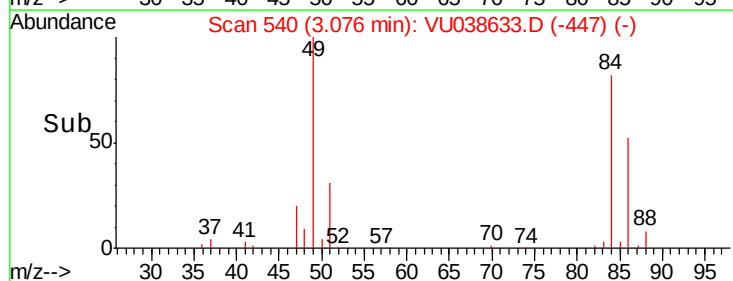
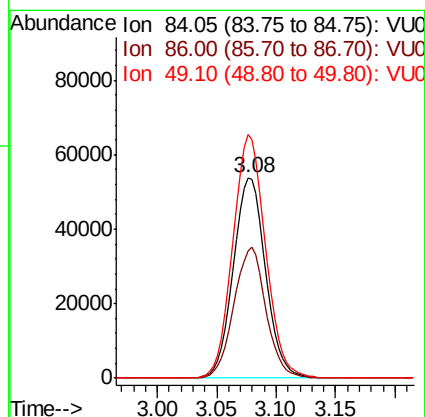
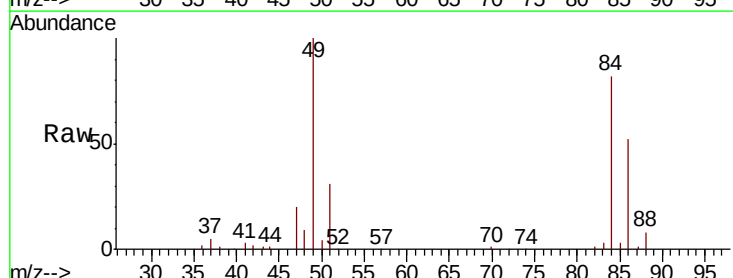
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

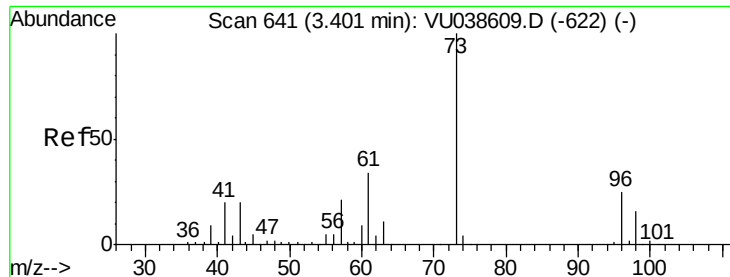
Tot Ion: 43 Resp: 49174
Ion Ratio Lower Upper
43 100
74 25.1 19.2 28.8



#16
Methylene chloride
Concen: 4.972 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion: 84 Resp: 101481
Ion Ratio Lower Upper
84 100
86 63.5 45.0 83.6
49 121.6 85.5 158.9



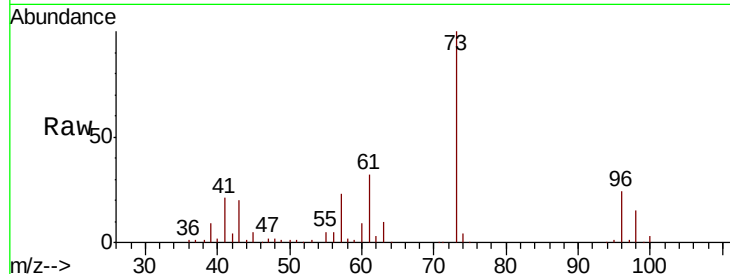


#17

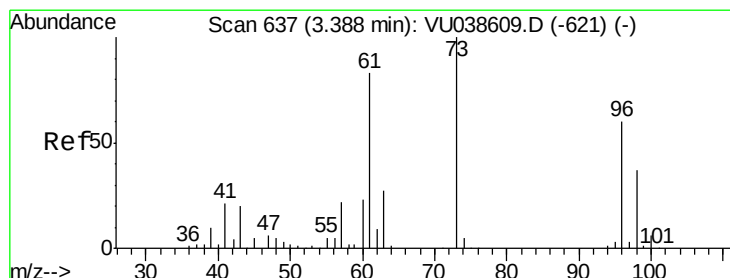
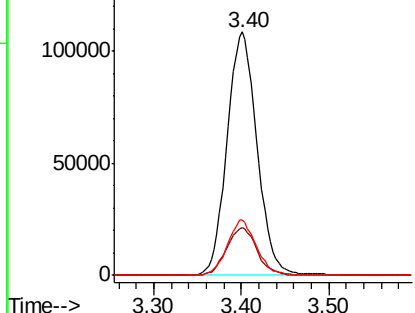
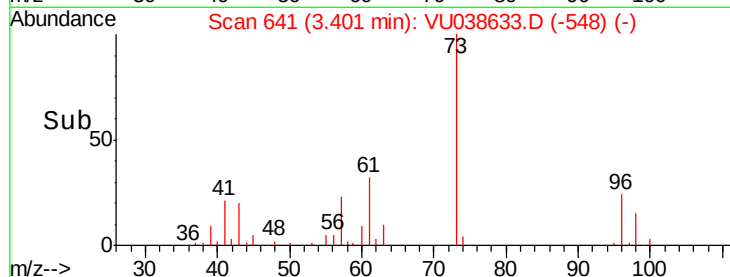
Methyl tert-butyl Ether
 Concen: 5.467 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00515

Tot Ion: 73 Resp: 258537
 Ion Ratio Lower Upper
 73 100
 43 19.9 15.5 23.3
 57 21.9 17.8 26.6



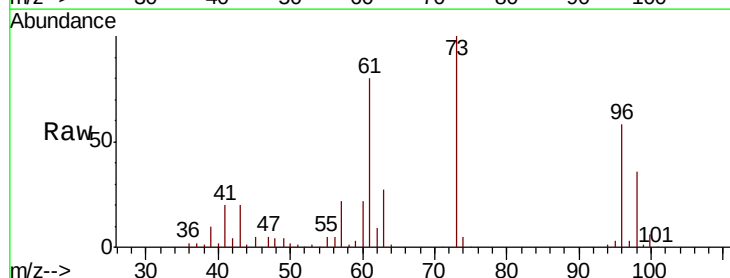
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



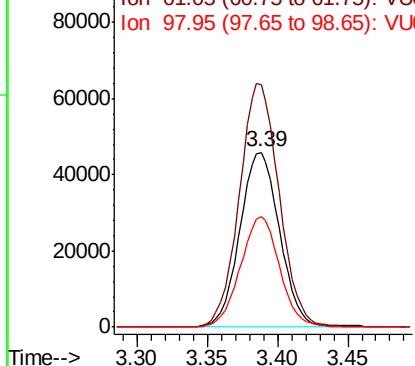
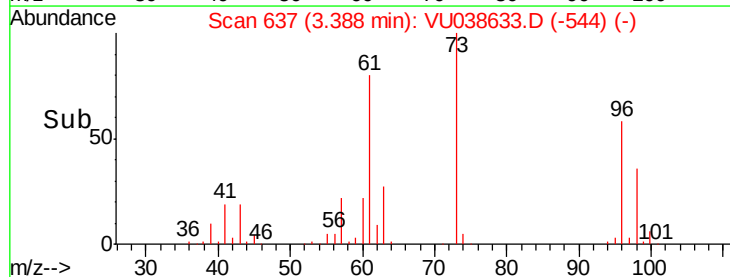
#18

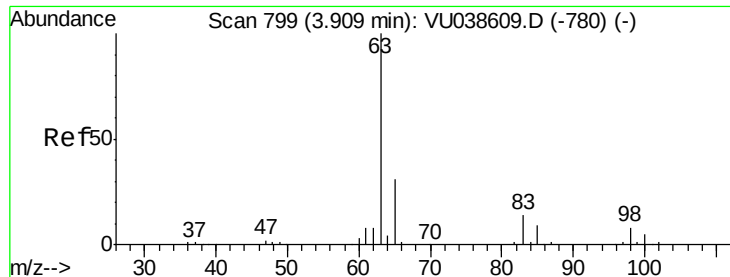
trans-1,2-Dichloroethene
 Concen: 4.671 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 96 Resp: 90781
 Ion Ratio Lower Upper
 96 100
 61 138.3 100.2 186.0
 98 63.2 42.8 79.4



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0

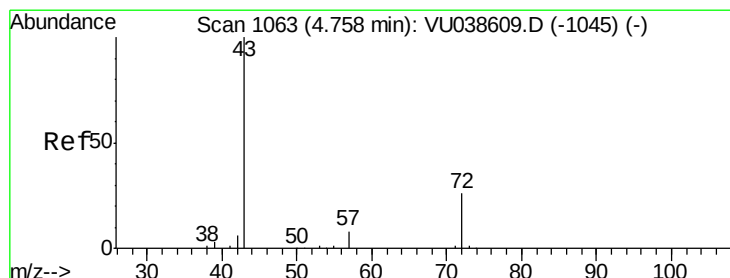
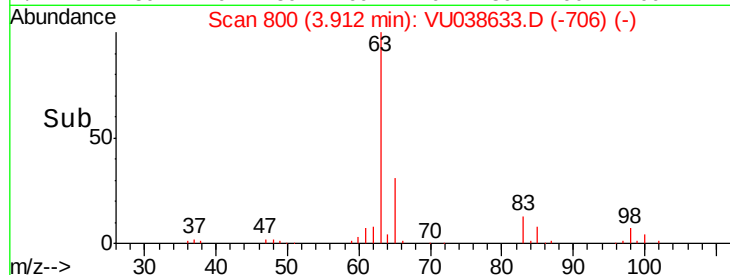
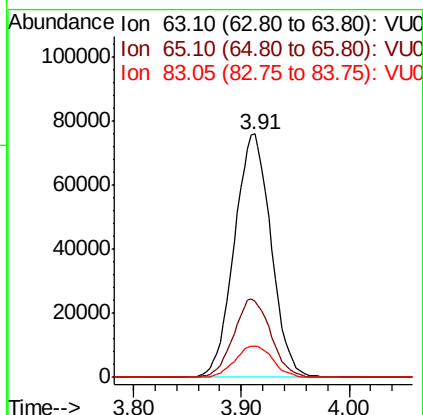
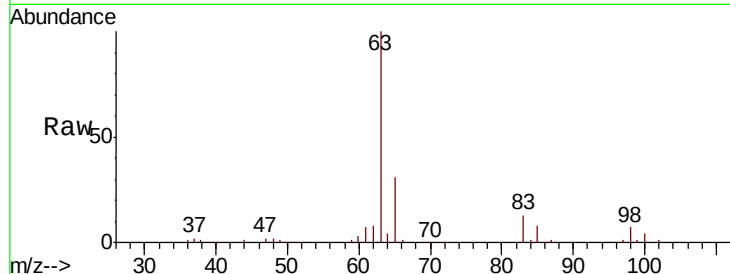




#19
 1,1-Dichloroethane
 Concen: 5.169 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

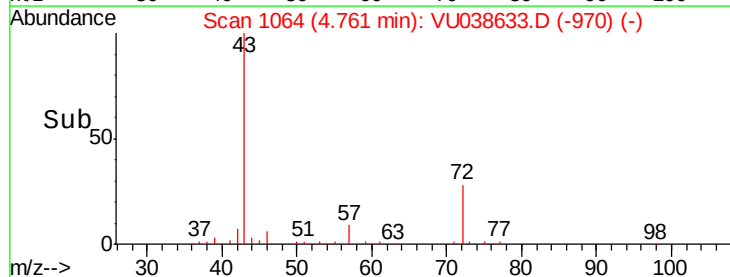
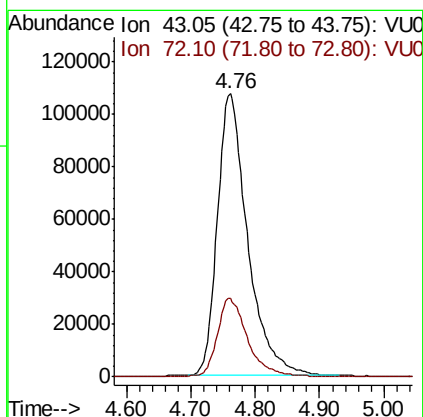
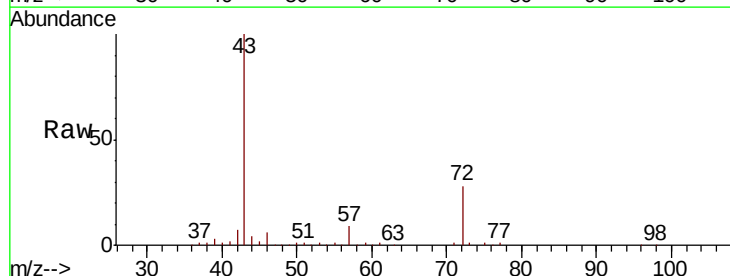
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

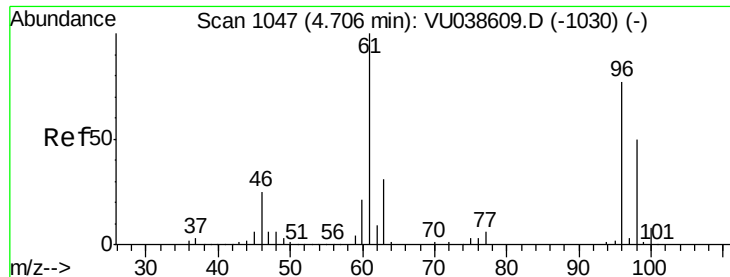
Tot Ion: 63 Resp: 179797
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 12.8 10.4 19.4



#21
 2-Butanone
 Concen: 55.256 ug/L
 RT: 4.76 min Scan# 1064
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 43 Resp: 350198
 Ion Ratio Lower Upper
 43 100
 72 28.2 12.6 37.8





#22

cis-1,2-Dichloroethene

Concen: 5.009 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

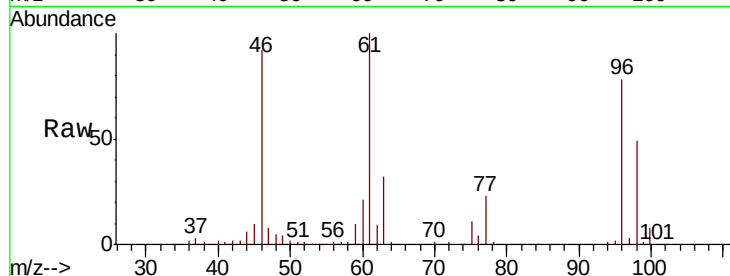
Tot Ion: 96 Resp: 104835

Ion Ratio Lower Upper

96 100

61 128.3 94.0 174.6

68 0.0 0.0 0.0

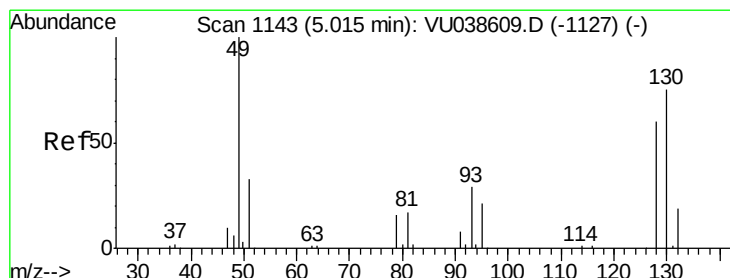
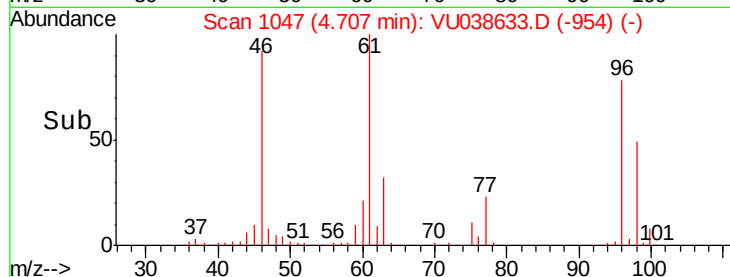
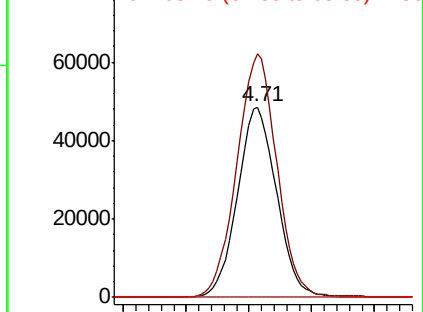


Abundance

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: 5.361 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Tgt Ion: 128 Resp: 50495

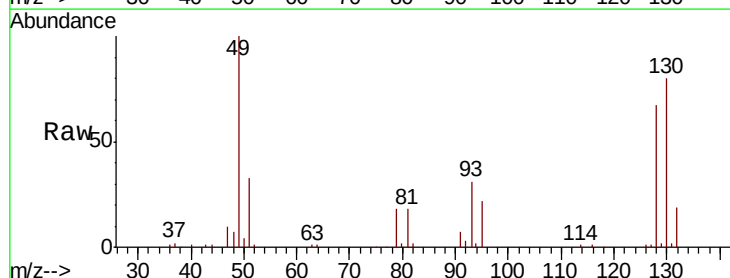
Ion Ratio Lower Upper

128 100

49 150.1 111.9 207.7

130 120.3 86.5 160.7

51 49.5 41.7 62.5



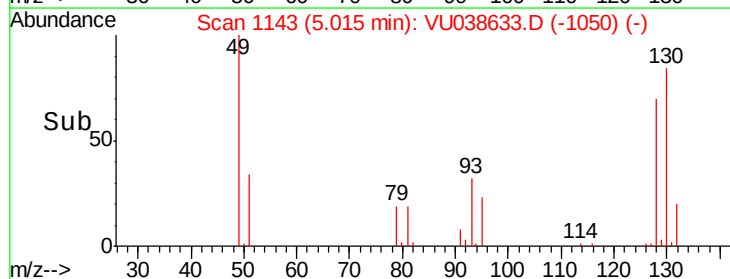
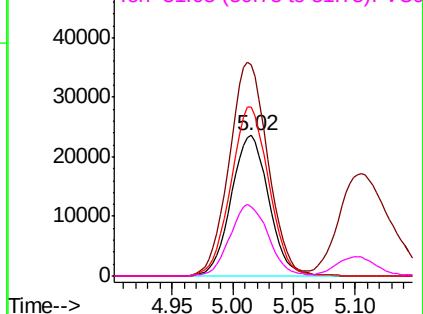
Abundance

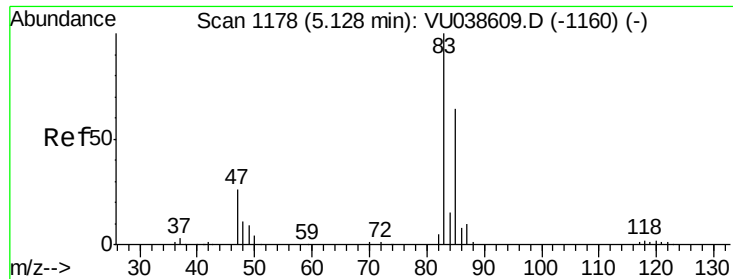
Ion 127.90 (127.60 to 128.60): V

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

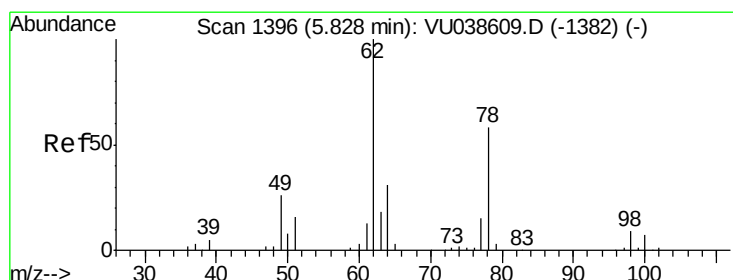
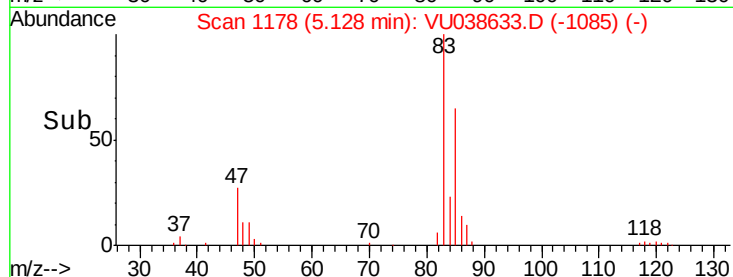
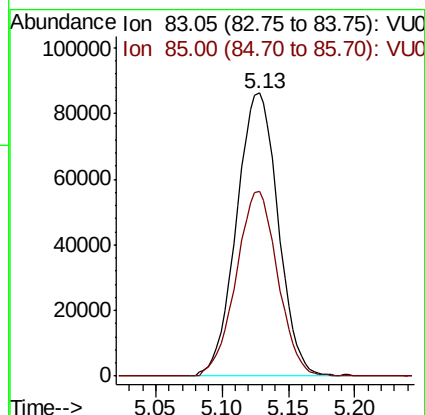
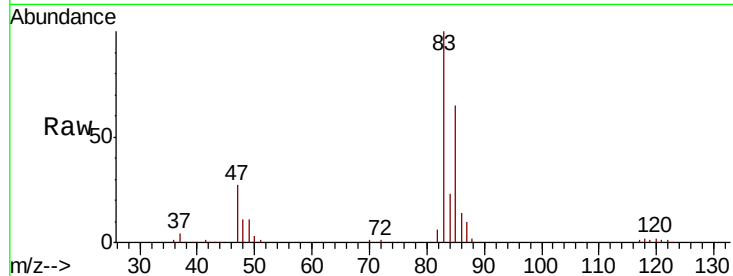




#25
Chloroform
Concen: 5.331 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

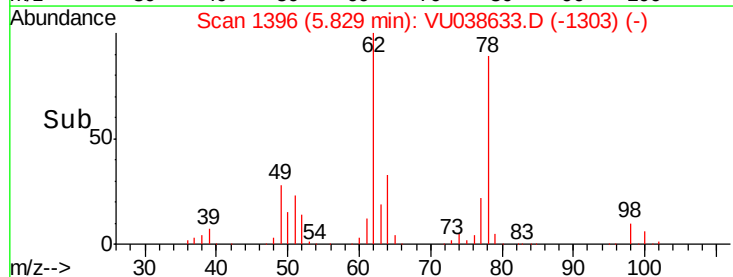
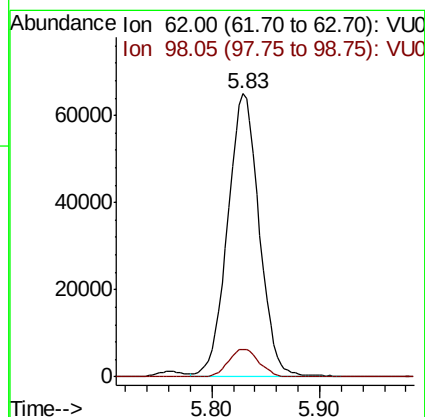
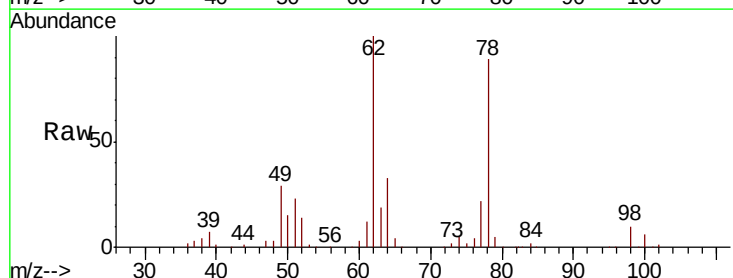
Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

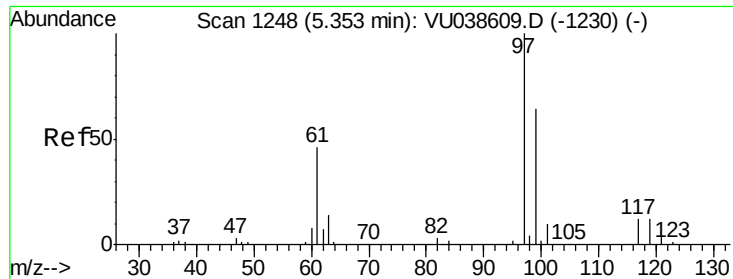
Tot Ion: 83 Resp: 188368
Ion Ratio Lower Upper
83 100
85 65.3 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.315 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion: 62 Resp: 132215
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2

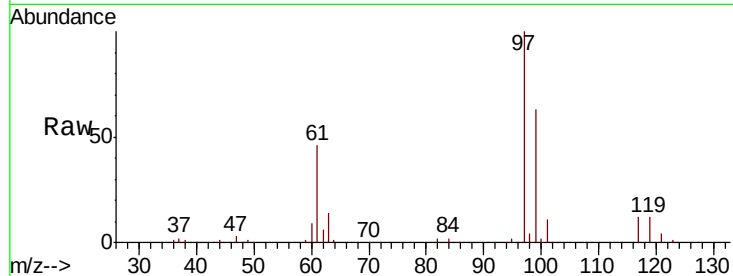




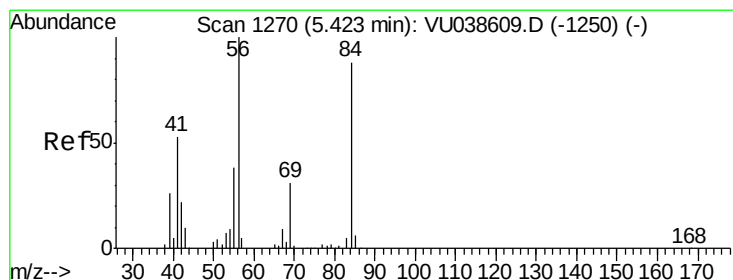
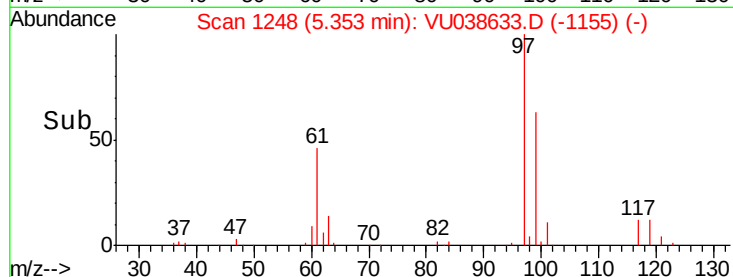
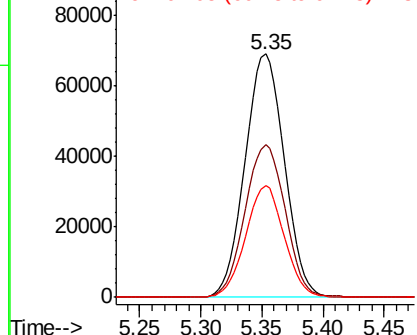
#29
 1,1,1-Trichloroethane
 Concen: 5.121 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 97 Resp: 154340
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.2
 61 44.9 35.4 53.2

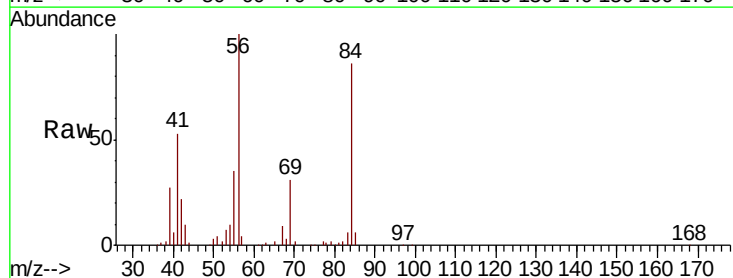


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

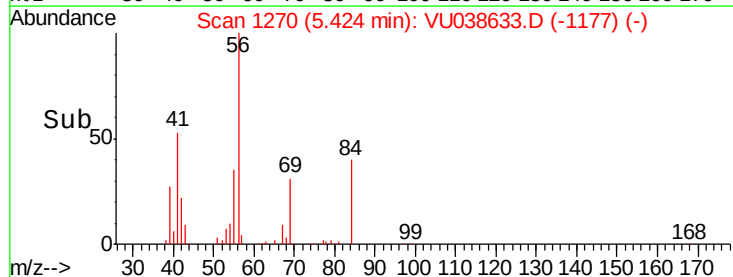
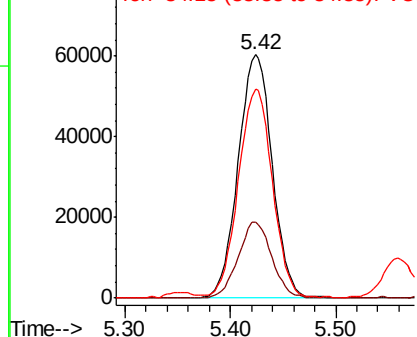


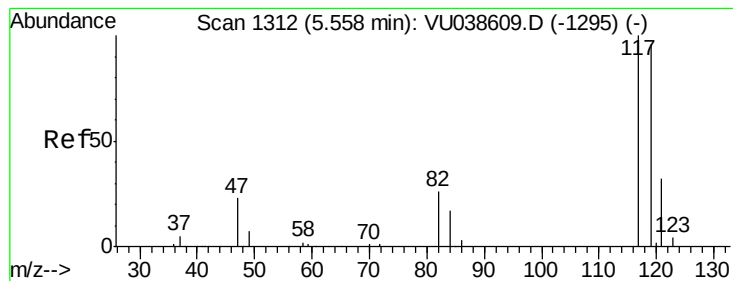
#30
 Cyclohexane
 Concen: 4.279 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 56 Resp: 135249
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.2 36.4
 84 85.4 70.8 106.2



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: 4.848 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

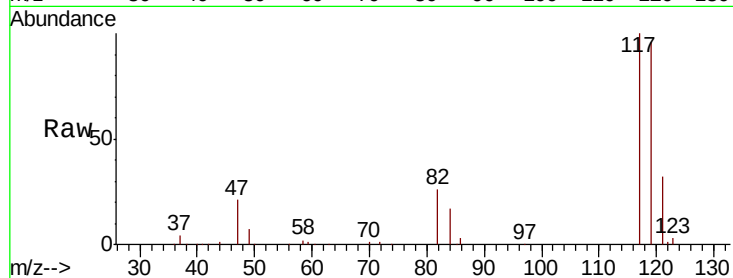
VSTD00515

Tot Ion:117 Resp: 121653

Ion Ratio Lower Upper

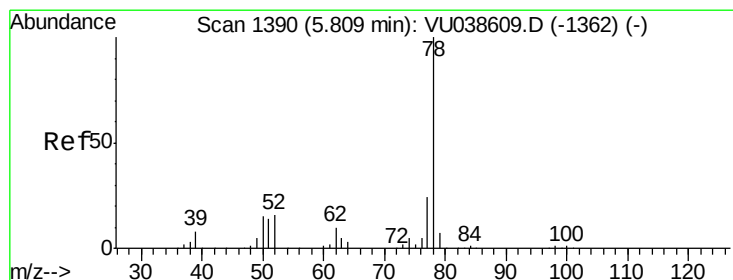
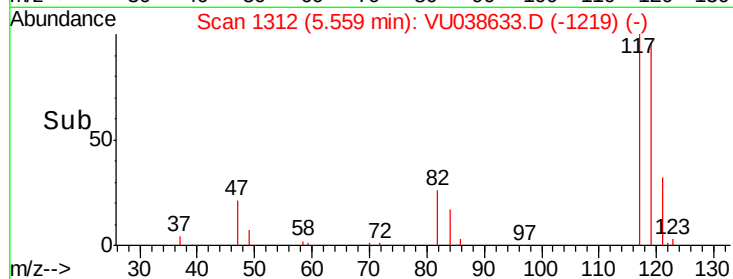
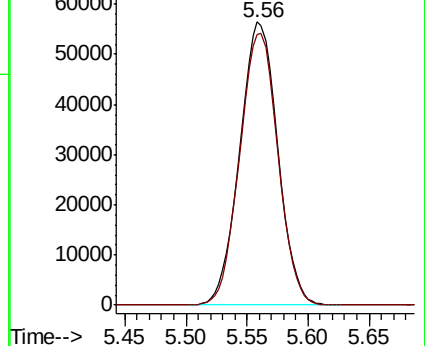
117 100

119 96.2 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.945 ug/L

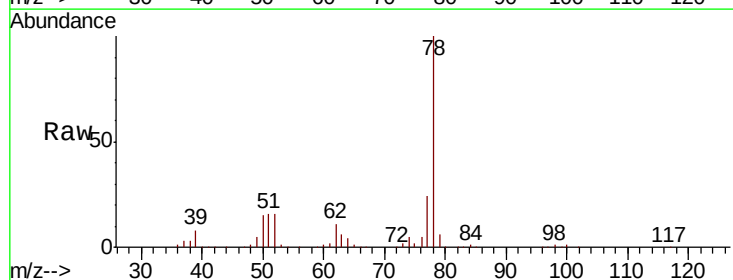
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

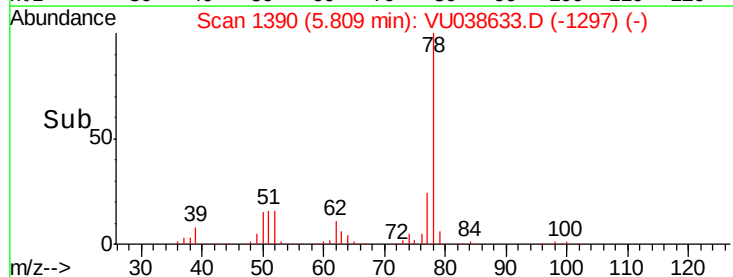
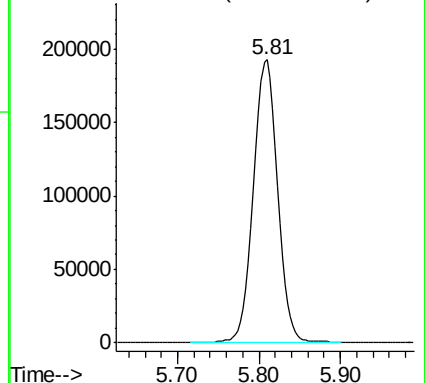
Lab File: VU038633.D

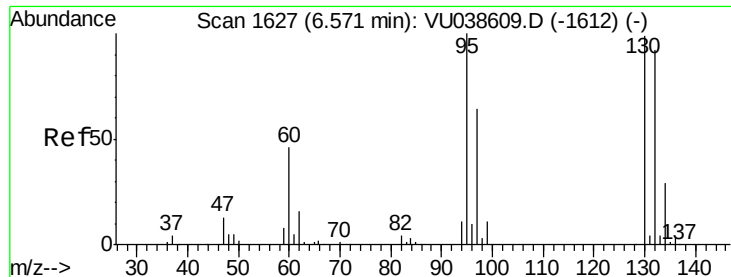
Acq: 06 Jun 2020 21:53

Tgt Ion: 78 Resp: 392795



Abundance Ion 78.10 (77.80 to 78.80): VU0

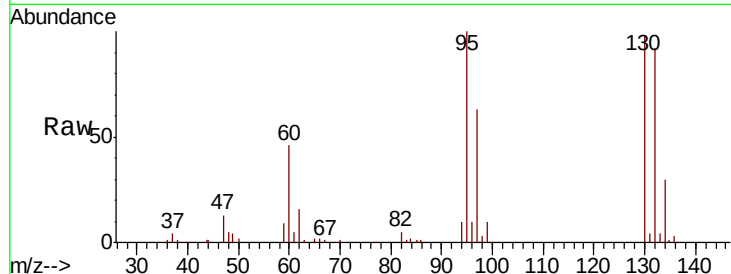




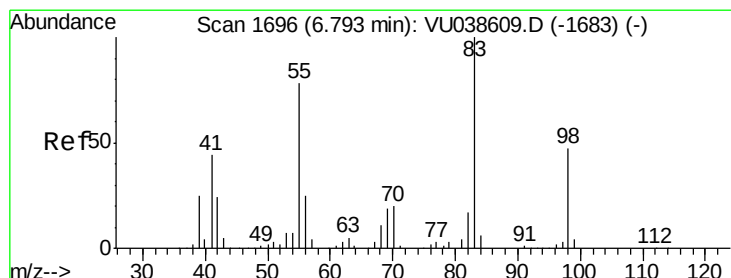
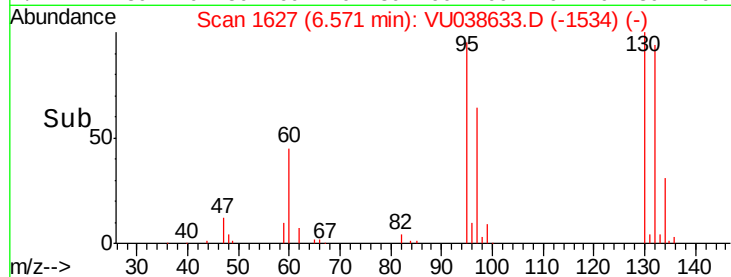
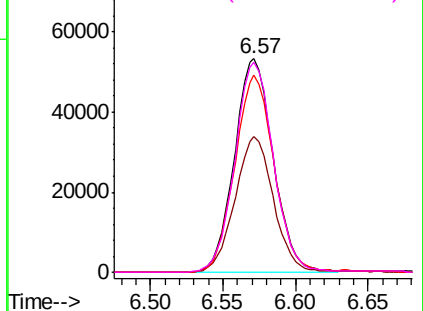
#34
 Trichloroethene
 Concen: 4.818 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

Tot Ion: 95 Resp: 99326
 Ion Ratio Lower Upper
 95 100
 97 63.4 46.8 87.0
 132 92.1 66.1 122.7
 130 98.4 70.0 130.0

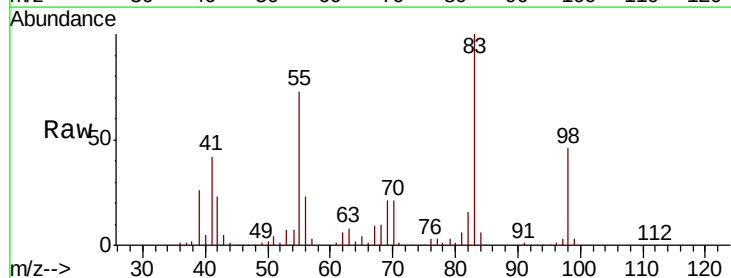


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

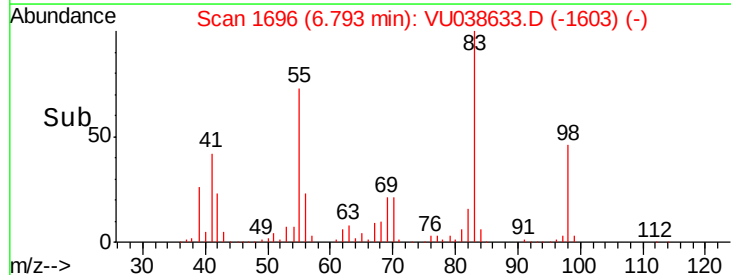
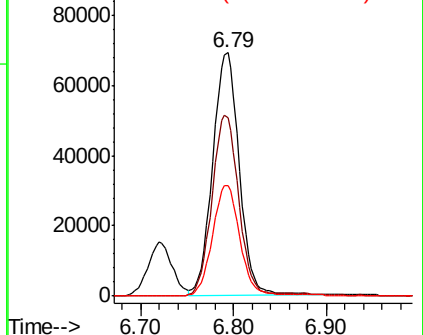


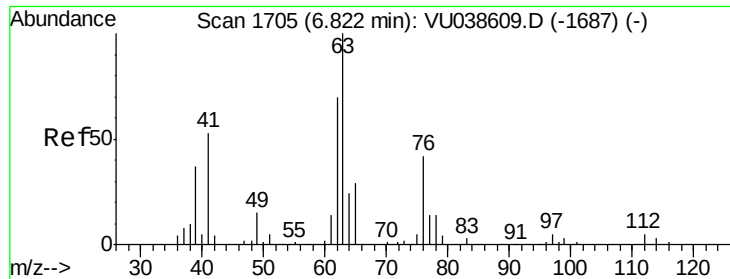
#35
 Methylcyclohexane
 Concen: 4.307 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 83 Resp: 137452
 Ion Ratio Lower Upper
 83 100
 55 75.1 63.4 95.2
 98 46.3 39.0 58.4



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

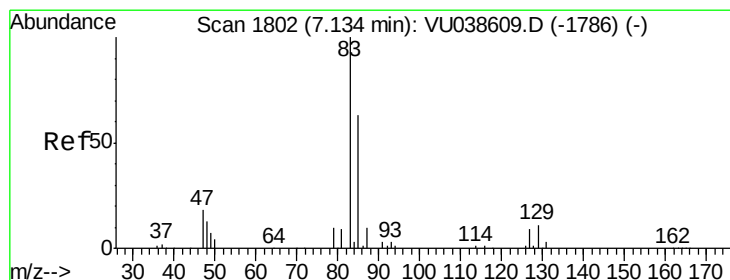
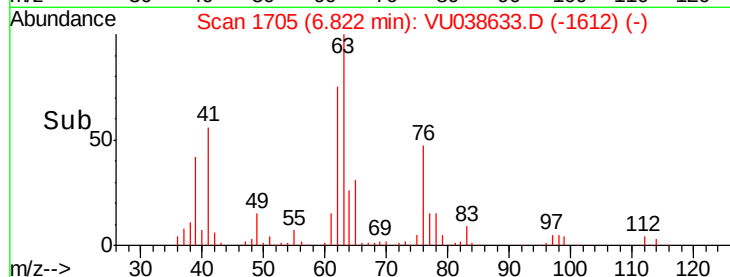
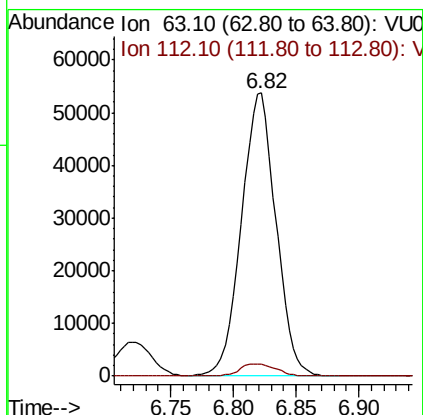
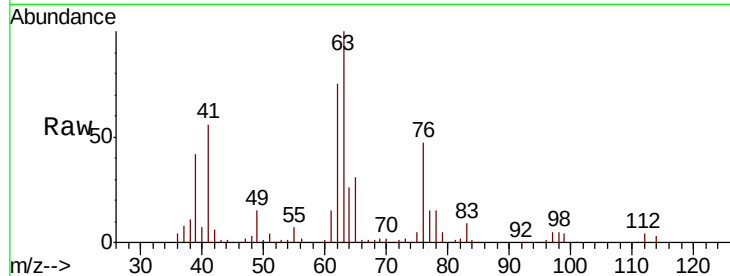




#37
 1,2-Dichloropropane
 Concen: 5.169 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

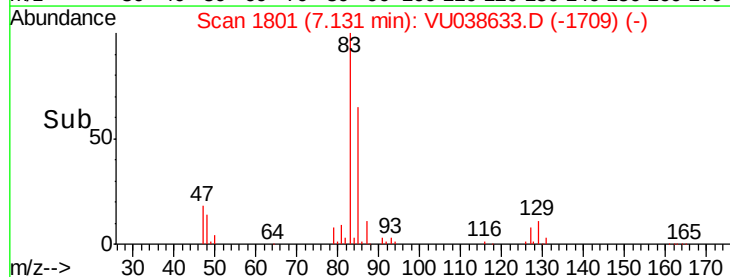
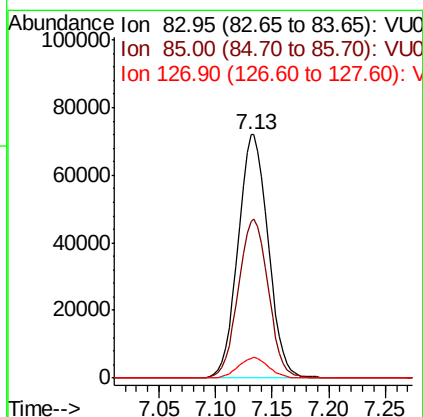
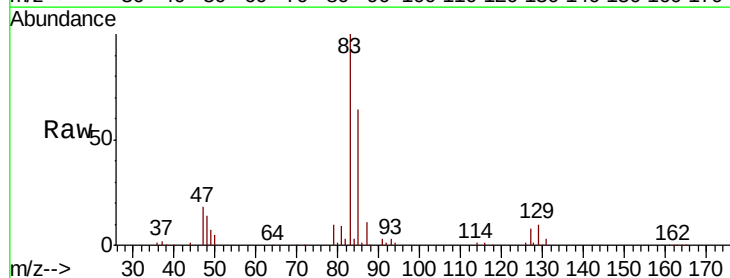
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

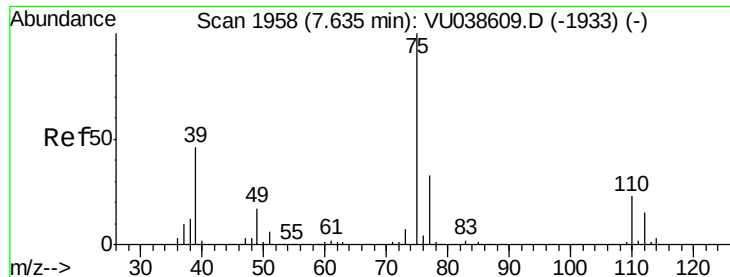
Tot Ion: 63 Resp: 103305
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.388 ug/L
 RT: 7.13 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 83 Resp: 133744
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.7 83.1
 127 8.3 6.8 10.2

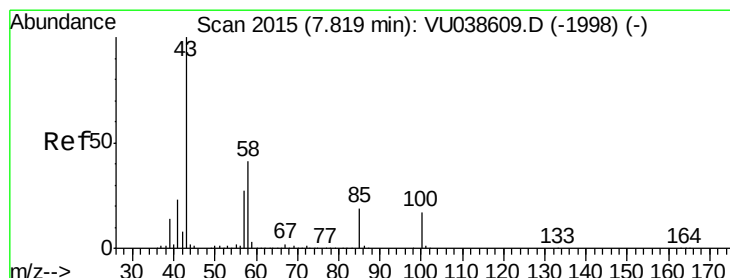
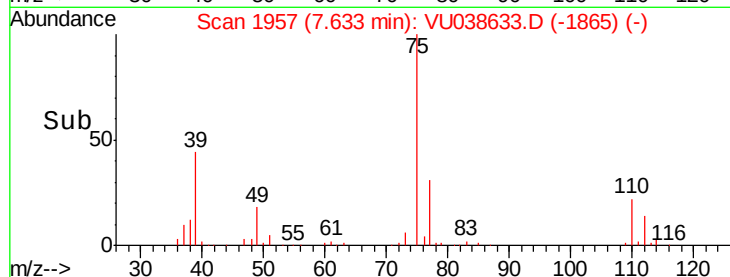
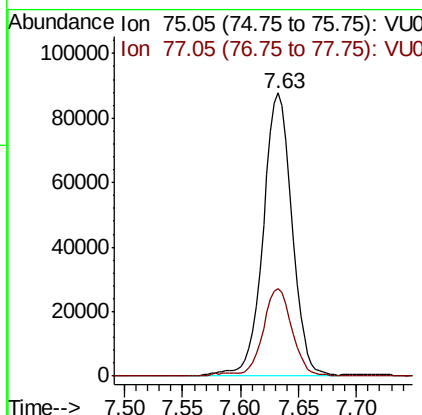
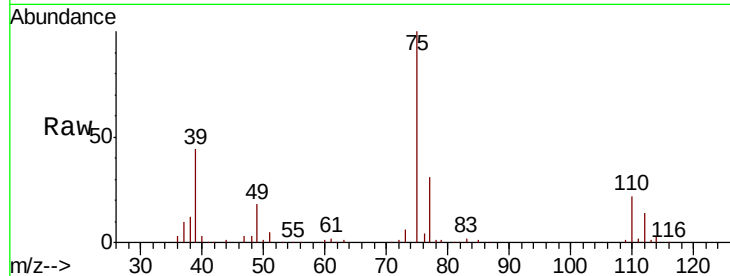




#39
 cis-1,3-Dichloropropene
 Concen: 5.144 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

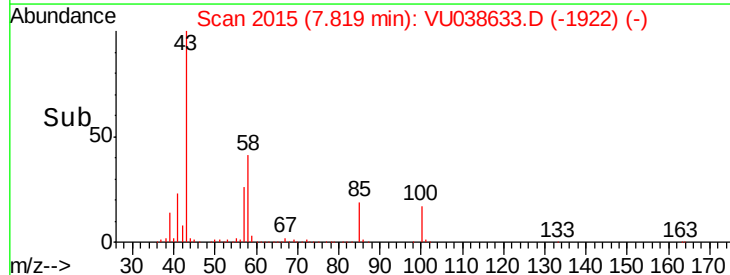
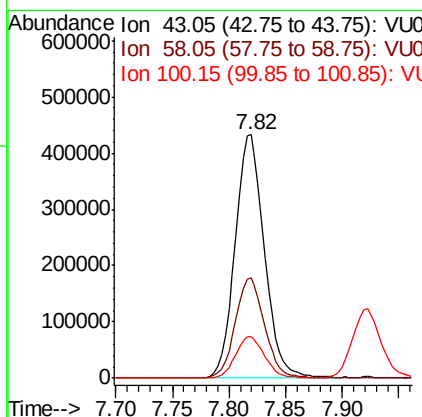
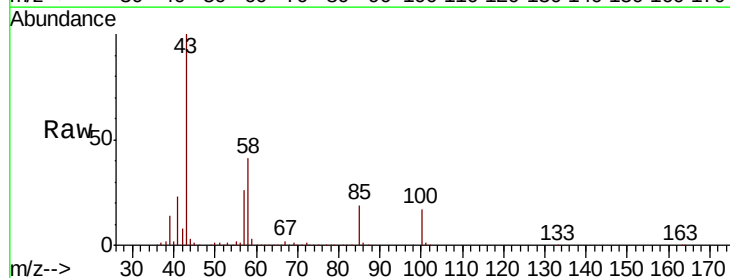
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

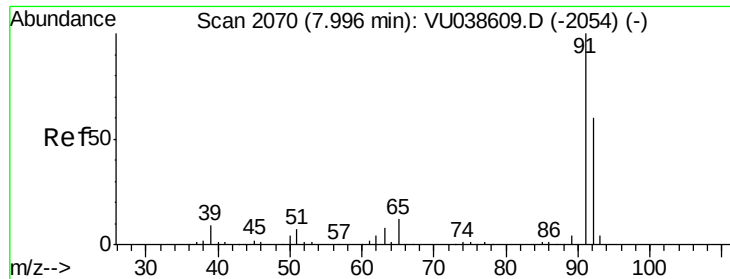
Tot Ion: 75 Resp: 151945
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 54.550 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 43 Resp: 779717
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.4 48.6
 100 17.1 13.3 19.9





#42

Toluene

Concen: 4.883 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

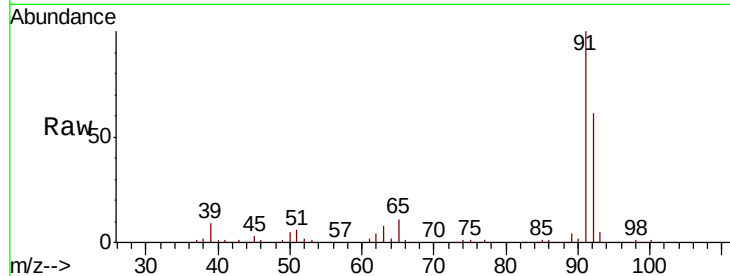
VSTD00515

Tot Ion: 91 Resp: 406813

Ion Ratio Lower Upper

91 100

92 61.3 43.0 79.8



Abundance Ion 91.15 (90.85 to 91.85): VU038609.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038609.D (-2054) (-)

7.99

250000

200000

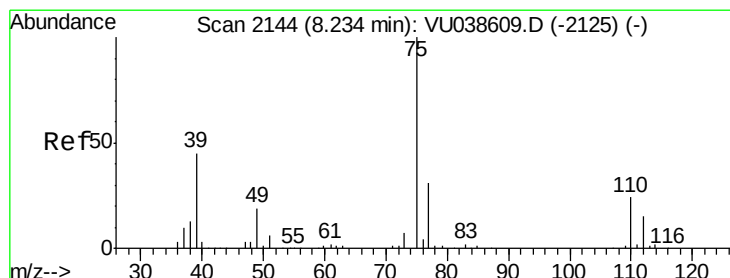
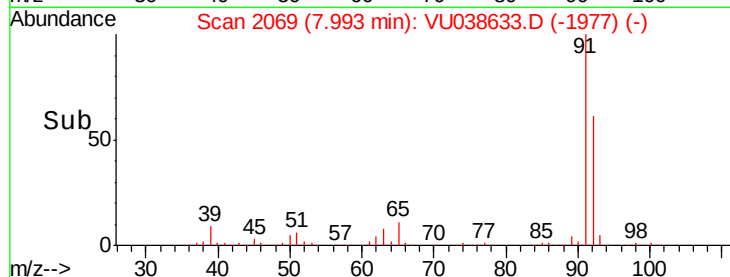
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.109 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038633.D

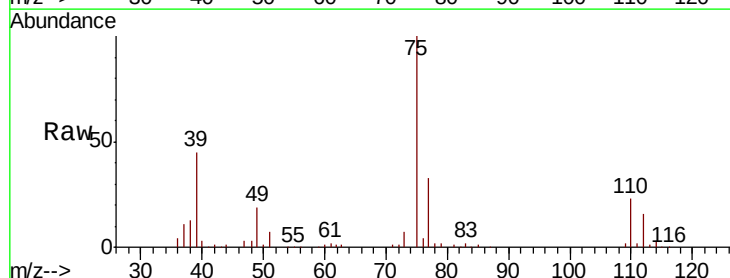
Acq: 06 Jun 2020 21:53

Tgt Ion: 75 Resp: 133295

Ion Ratio Lower Upper

75 100

77 32.6 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU038609.D (-2125) (-)

Ion 77.05 (76.75 to 77.75): VU038609.D (-2125) (-)

8.23

80000

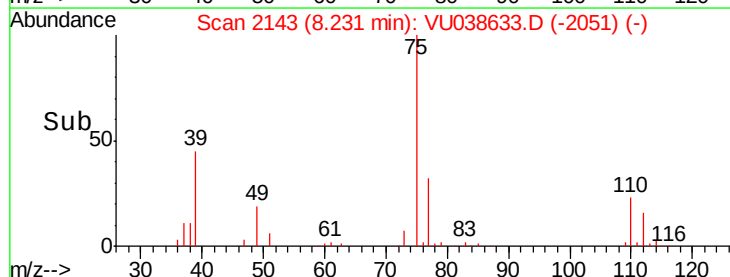
60000

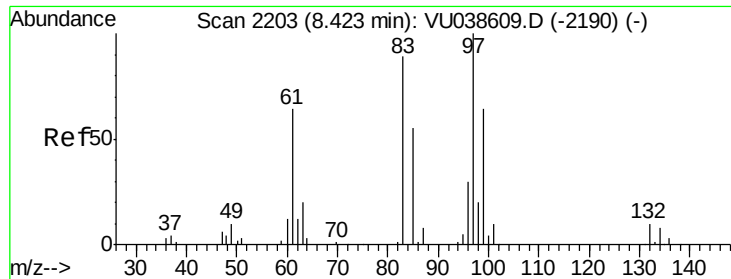
40000

20000

0

Time-->

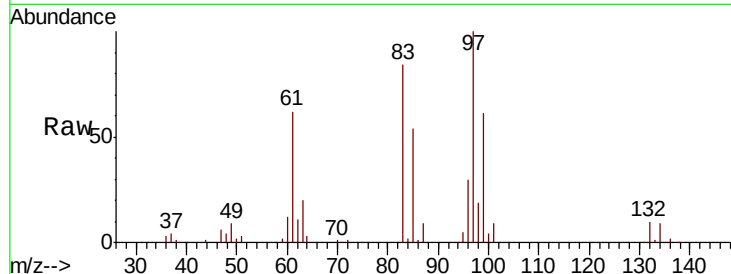




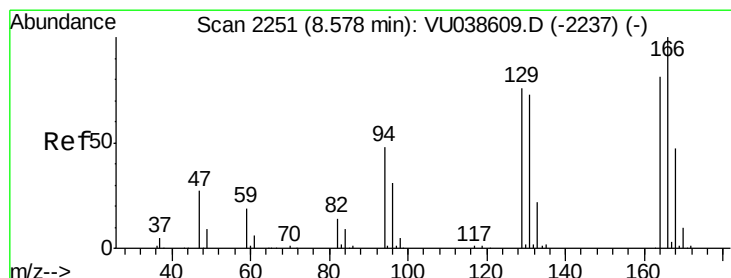
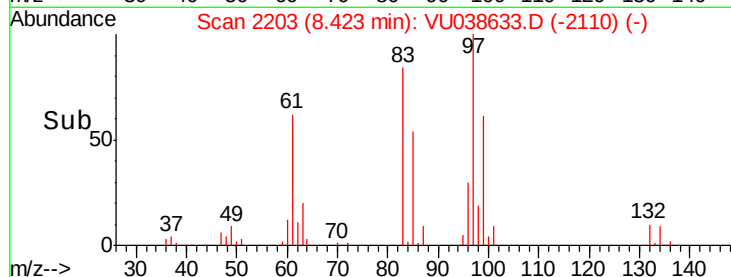
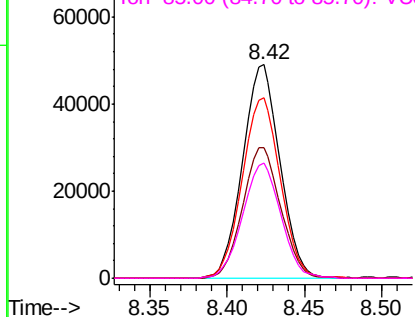
#45
1,1,2-Trichloroethane
Concen: 5.465 ug/L
RT: 8.42 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:	97	Resp:	82404
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.1	78.1
83	84.3	58.8	109.2
85	53.9	37.4	69.4

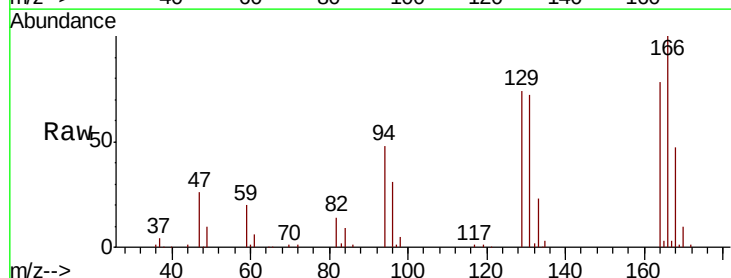


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

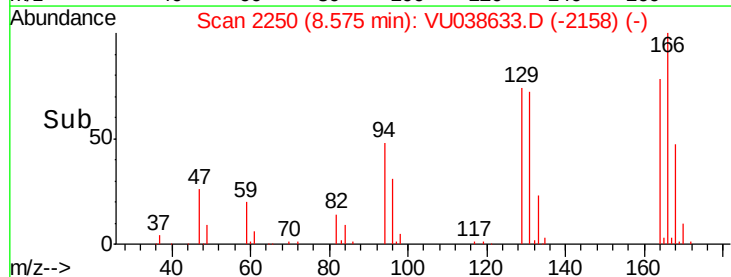
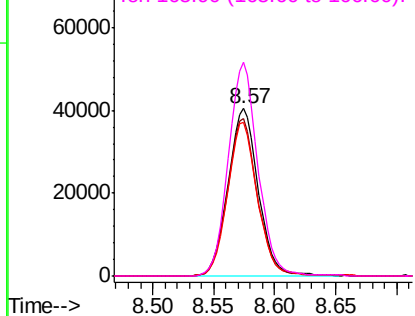


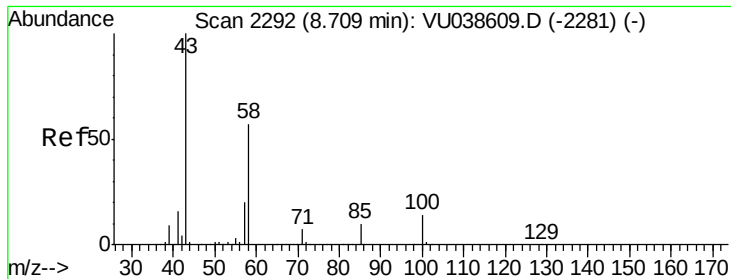
#47
Tetrachloroethene
Concen: 4.677 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion:	164	Resp:	70058
Ion	Ratio	Lower	Upper
164	100		
129	94.0	67.4	125.2
131	91.5	64.1	119.1
166	127.6	85.7	159.1



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

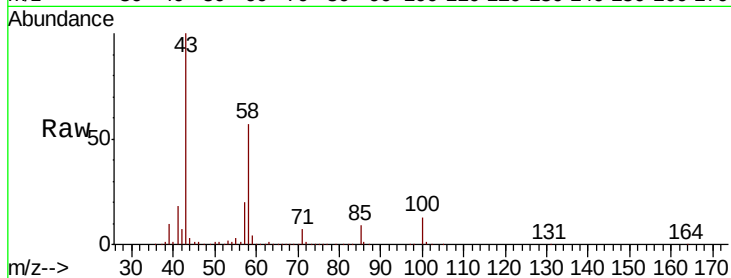




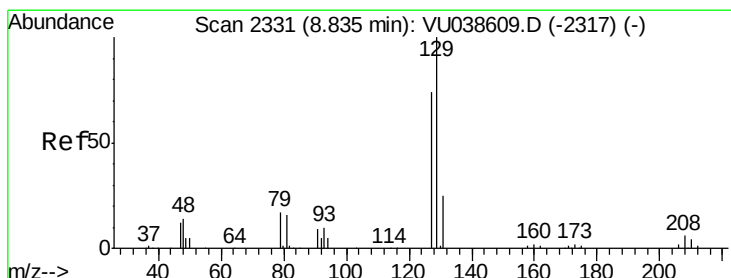
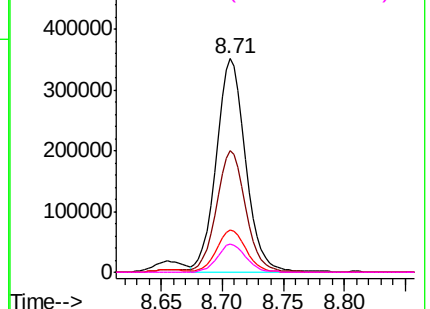
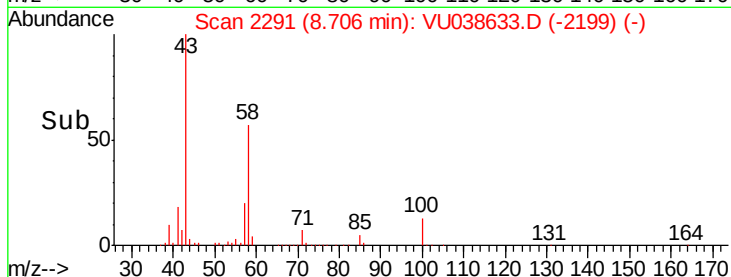
#48
2-Hexanone
Concen: 54.672 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Instrument :
MSVOA_U
ClientSampled :
VSTD00515

Tot Ion: 43 Resp: 591811
Ion Ratio Lower Upper
43 100
58 56.9 45.4 68.0
57 20.1 15.9 23.9
100 13.1 10.5 15.7

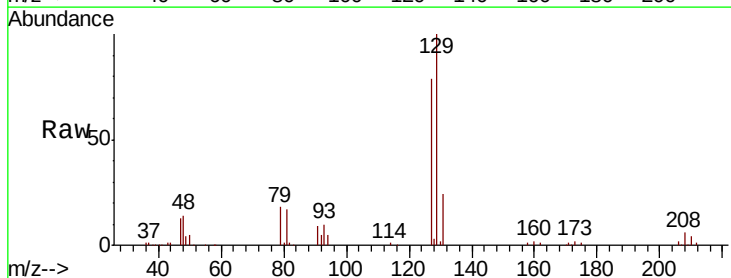


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

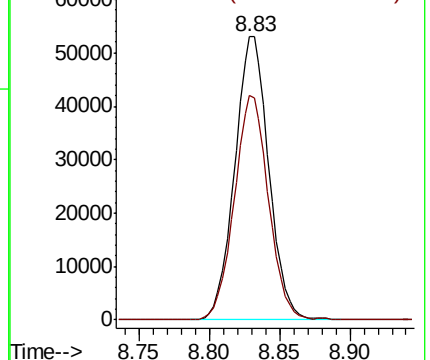
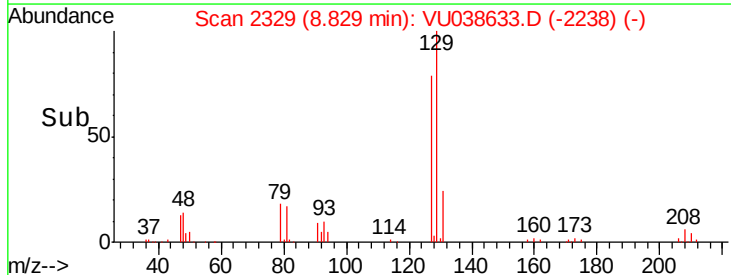


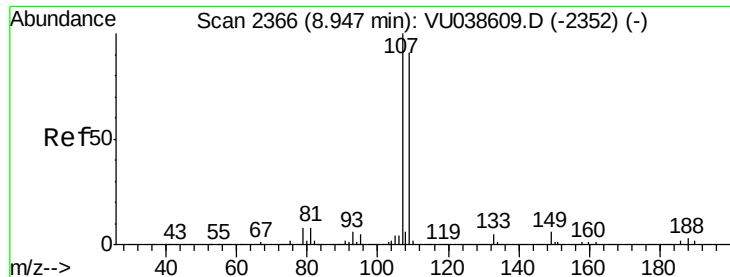
#49
Dibromochloromethane
Concen: 5.506 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.01 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion: 129 Resp: 89613
Ion Ratio Lower Upper
129 100
127 79.1 53.3 99.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.324 ug/L

RT: 8.94 min Scan# 2365

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

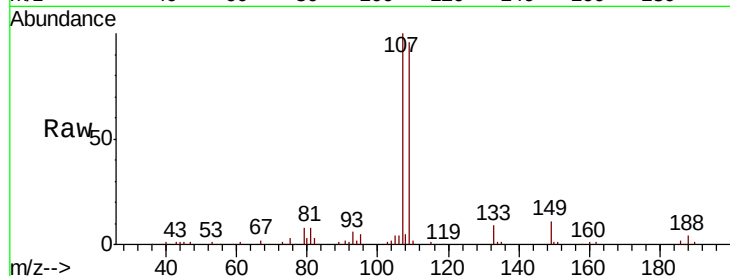
Tot Ion:107 Resp: 76876

Ion Ratio Lower Upper

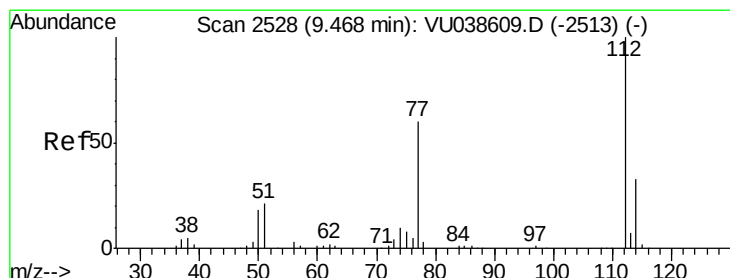
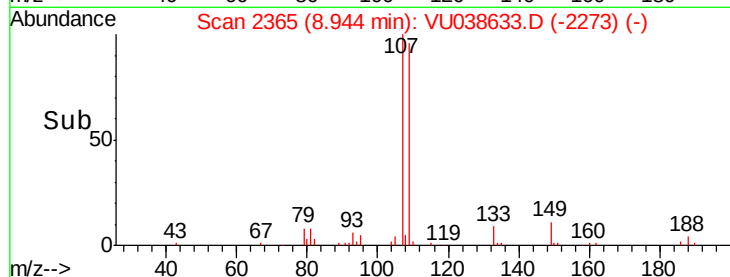
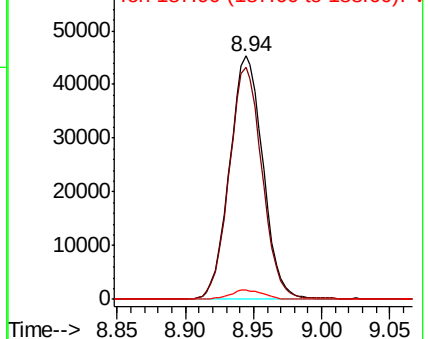
107 100

109 95.6 67.0 124.4

188 4.1 3.0 4.4



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.917 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

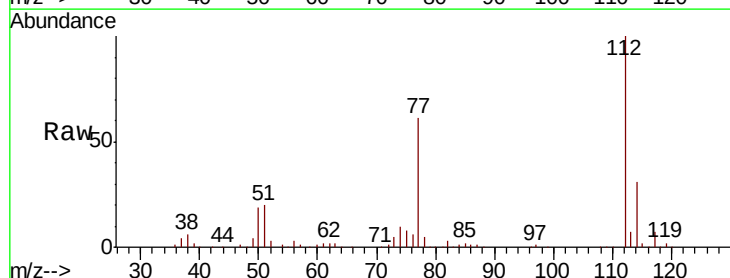
Tgt Ion:112 Resp: 264183

Ion Ratio Lower Upper

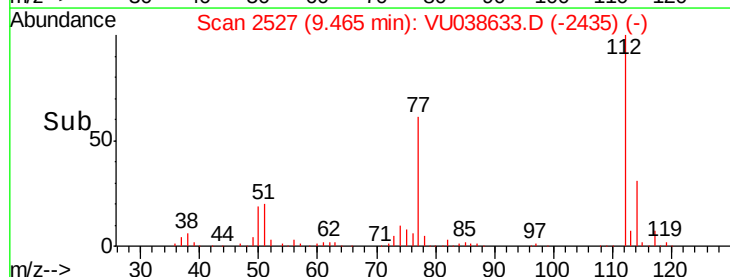
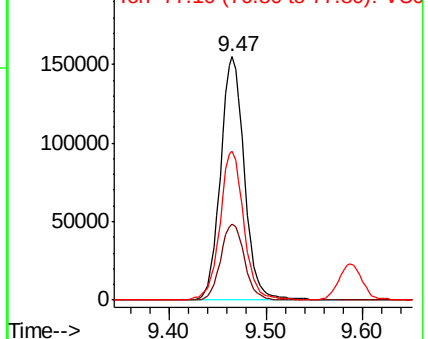
112 100

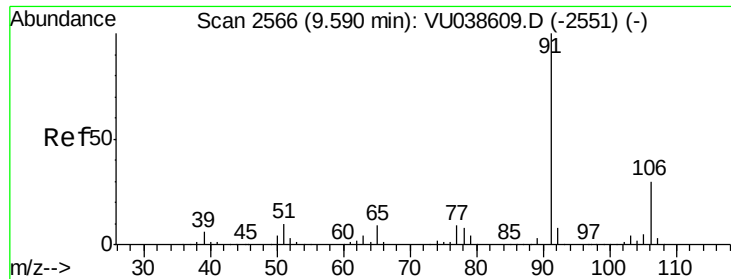
114 31.2 22.4 41.6

77 61.3 47.1 70.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.713 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

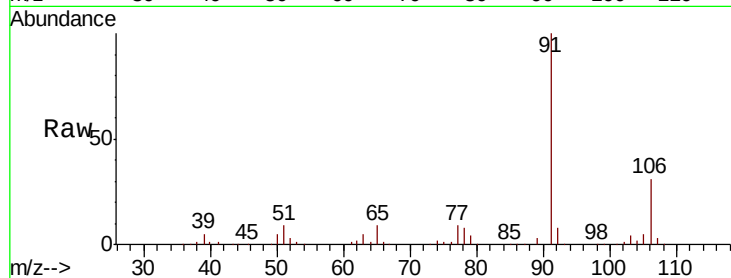
VSTD00515

Tot Ion: 91 Resp: 436847

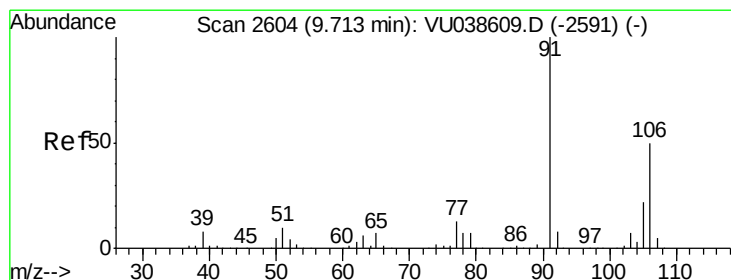
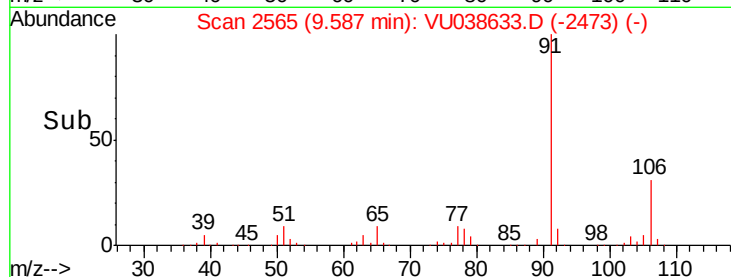
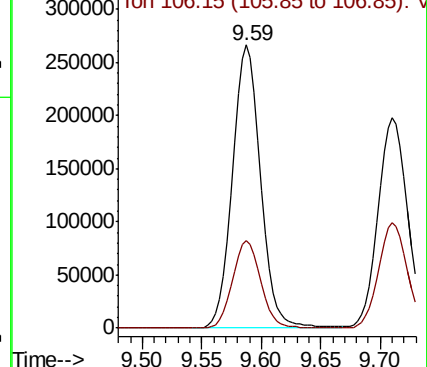
Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VU038609.D (-2551) (-)



#53

m,p-Xylene

Concen: 4.740 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038633.D

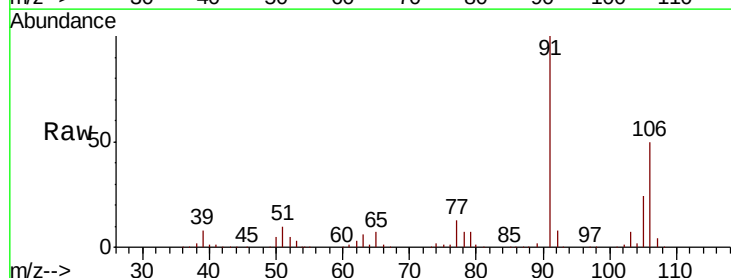
Acq: 06 Jun 2020 21:53

Tgt Ion: 106 Resp: 168971

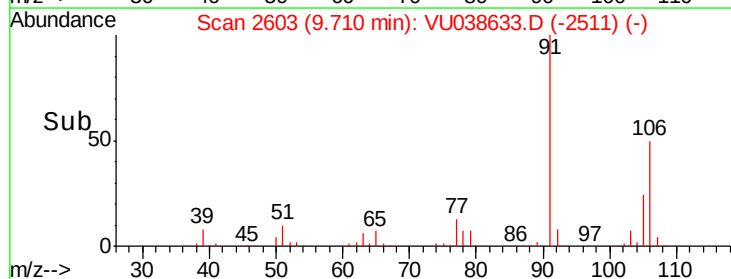
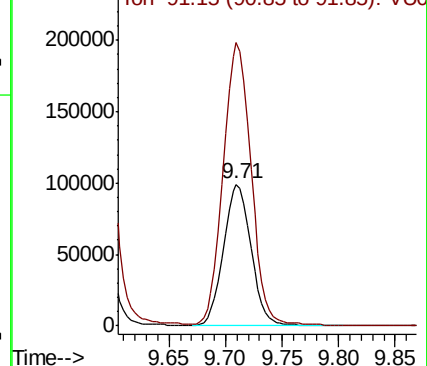
Ion Ratio Lower Upper

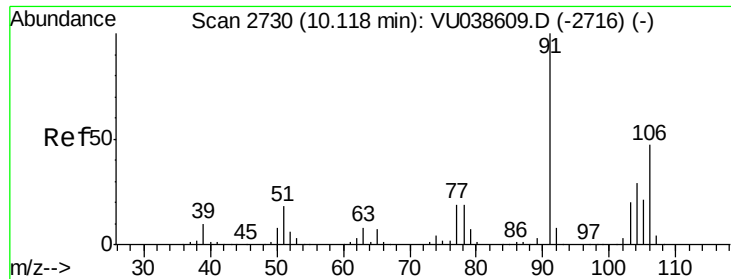
106 100

91 199.8 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VU038609.D (-2591) (-)

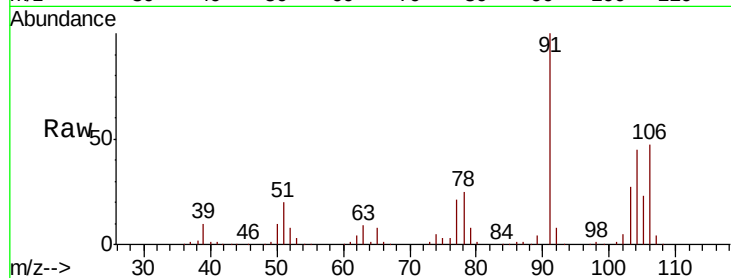




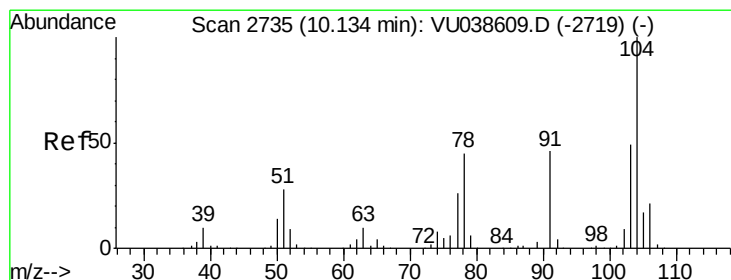
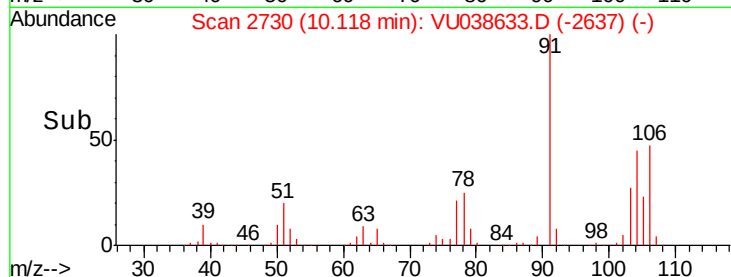
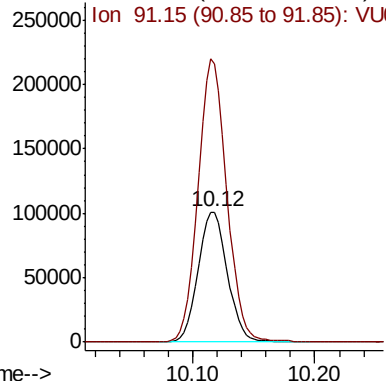
#54
o-Xylene
Concen: 4.968 ug/L
RT: 10.12 min Scan# 2730
Delta R.T. 0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:106 Resp: 169989
Ion Ratio Lower Upper
106 100
91 213.9 150.6 279.8

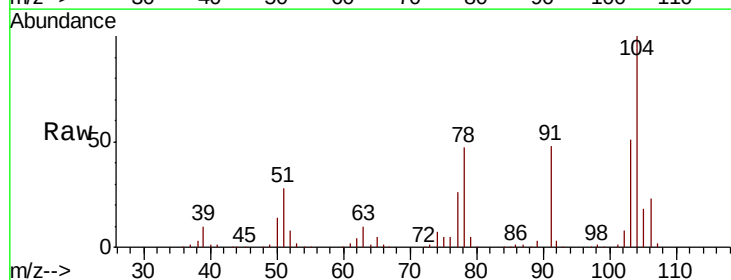


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

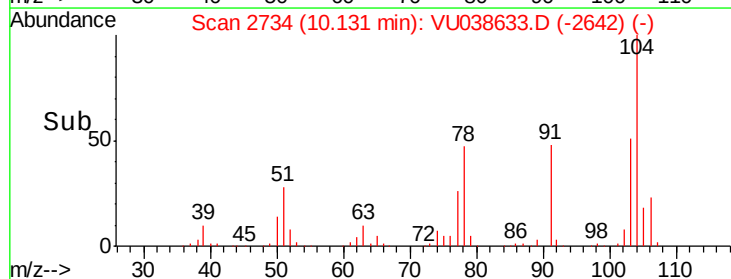
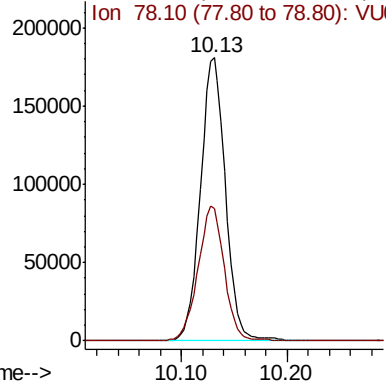


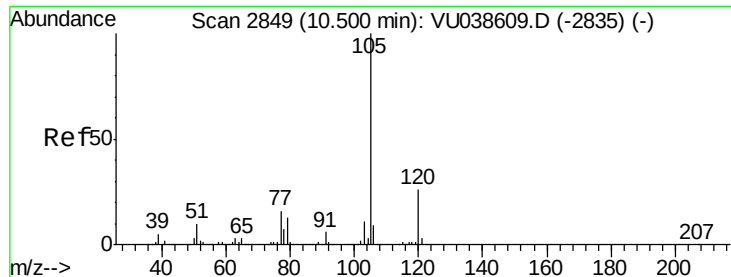
#55
Styrene
Concen: 5.089 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion:104 Resp: 295622
Ion Ratio Lower Upper
104 100
78 46.9 31.9 59.3



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





#56

Isopropylbenzene

Concen: 4.781 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

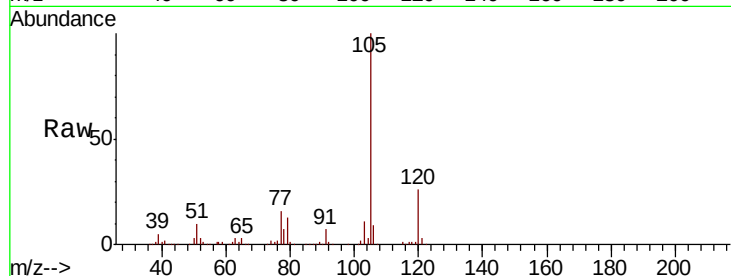
Tot Ion:105 Resp: 430595

Ion Ratio Lower Upper

105 100

120 25.8 20.7 31.1

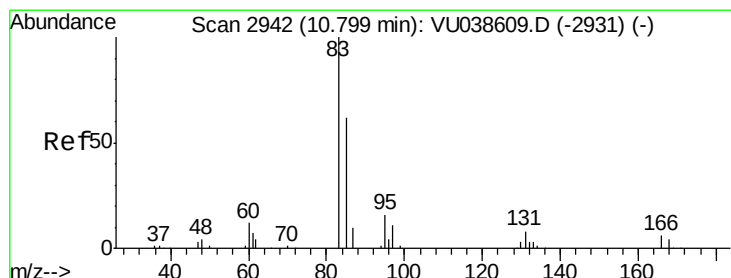
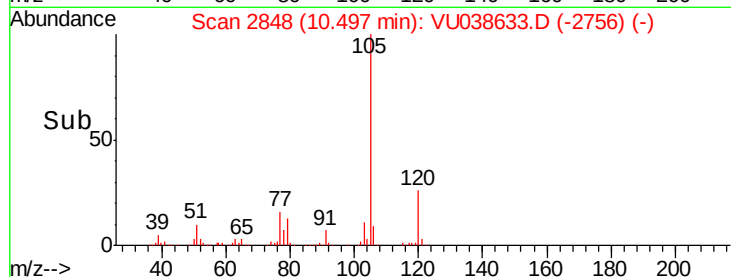
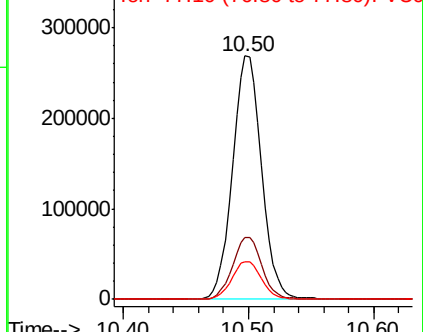
77 16.0 12.5 18.7



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: 5.440 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

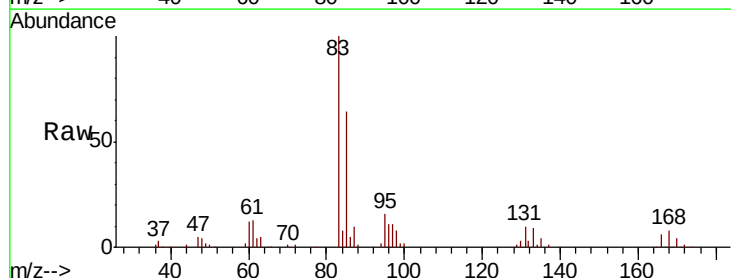
Tgt Ion: 83 Resp: 104248

Ion Ratio Lower Upper

83 100

85 63.8 44.2 82.0

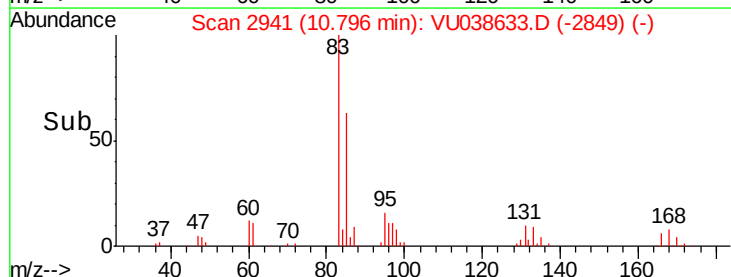
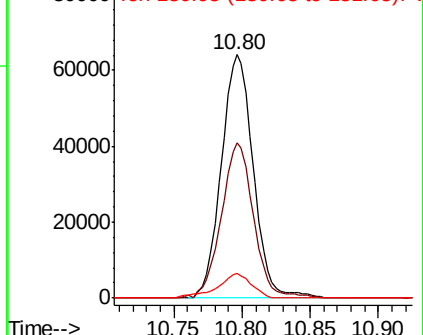
131 10.0 8.1 12.1

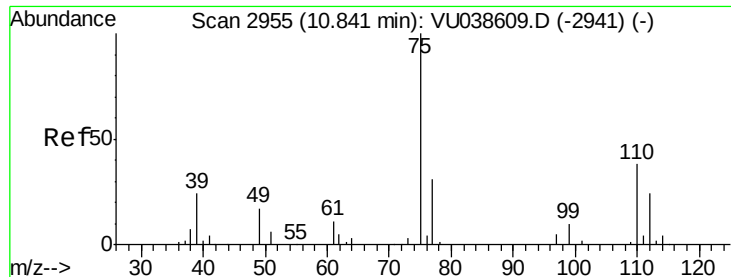


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

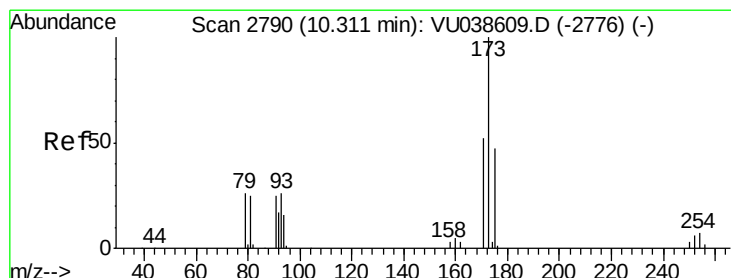
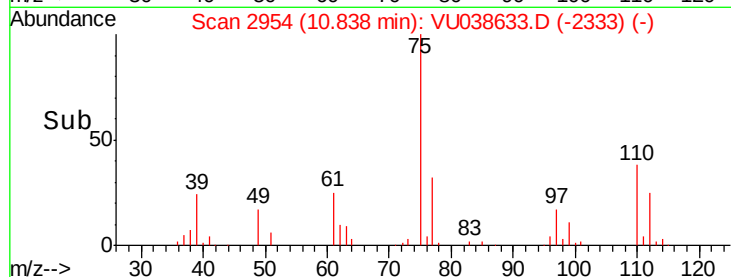
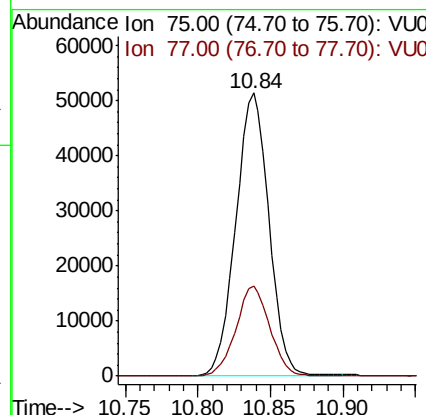
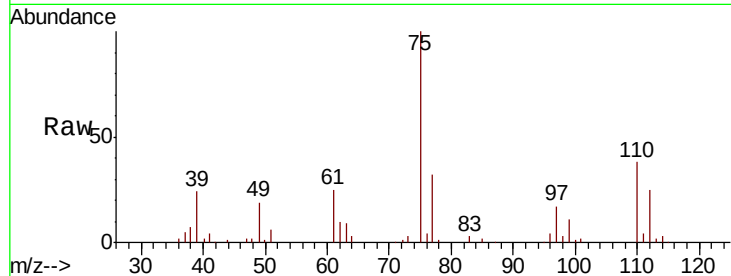




#59
 1,2,3-Trichloropropane
 Concen: 5.459 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

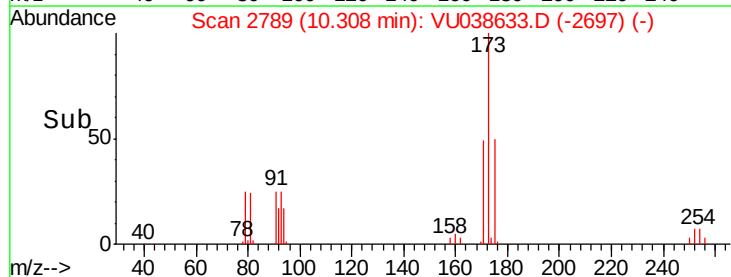
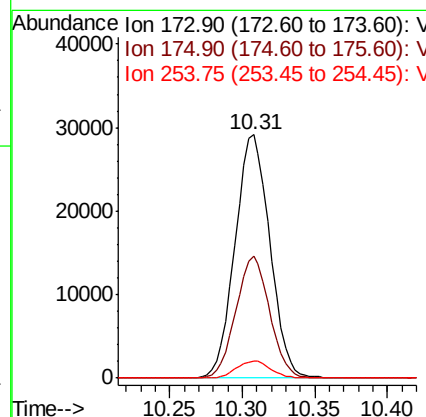
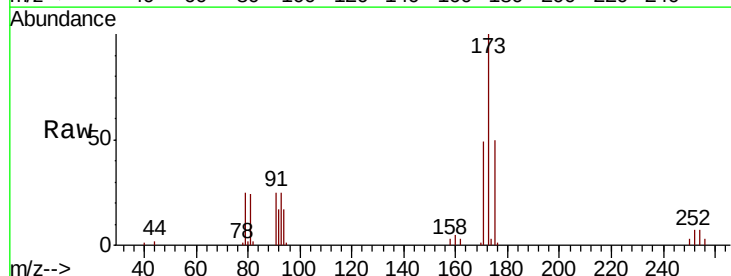
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

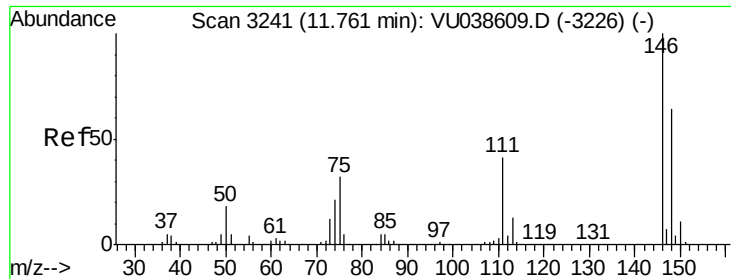
Tot Ion: 75 Resp: 81435
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#61
 Bromoform
 Concen: 5.413 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 173 Resp: 48607
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.7 58.1
 254 6.8 5.4 8.2





#62

1,3-Dichlorobenzene

Concen: 5.022 ug/L

RT: 11.76 min Scan# 3240

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

Instrument :

MSVOA_U

ClientSampleId :

VSTD00515

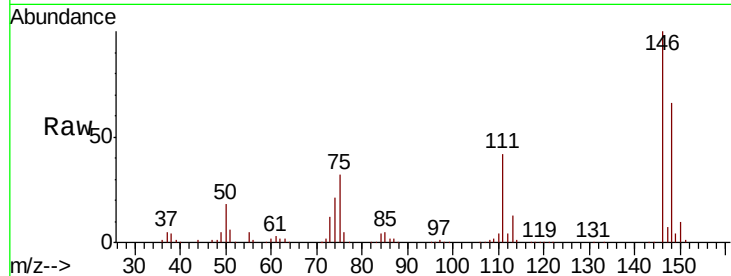
Tot Ion:146 Resp: 212688

Ion Ratio Lower Upper

146 100

111 41.7 29.5 54.9

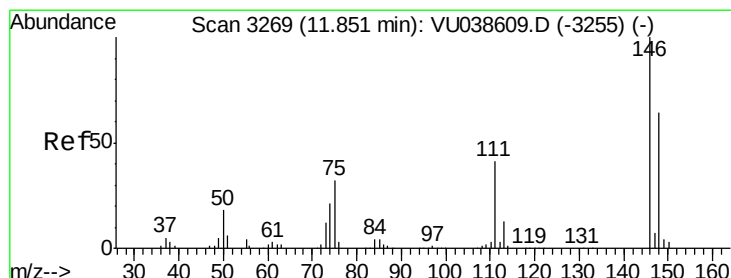
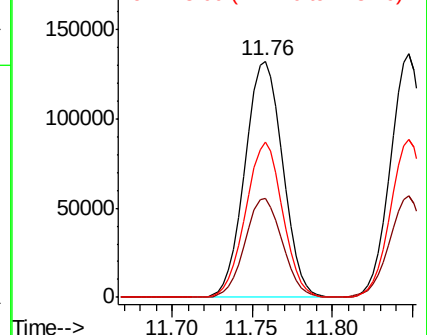
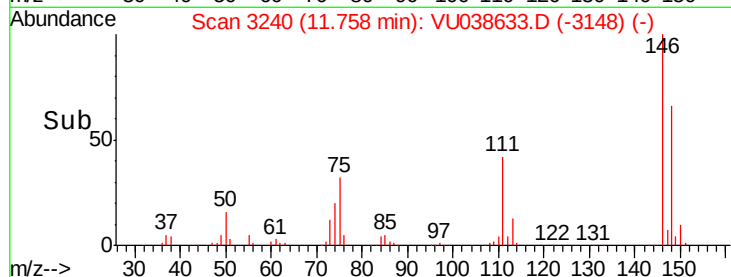
148 65.7 45.6 84.6



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



#63

1,4-Dichlorobenzene

Concen: 4.911 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038633.D

Acq: 06 Jun 2020 21:53

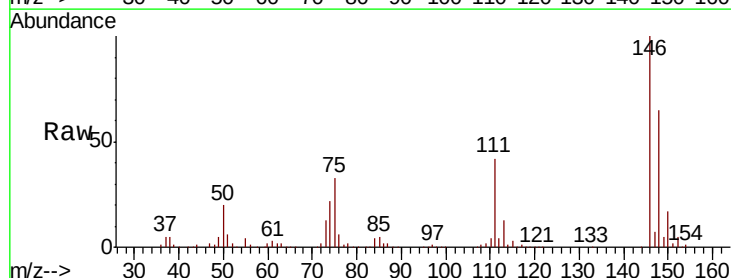
Tgt Ion:146 Resp: 210928

Ion Ratio Lower Upper

146 100

111 41.9 27.6 51.2

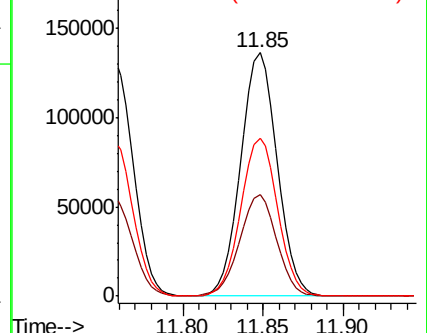
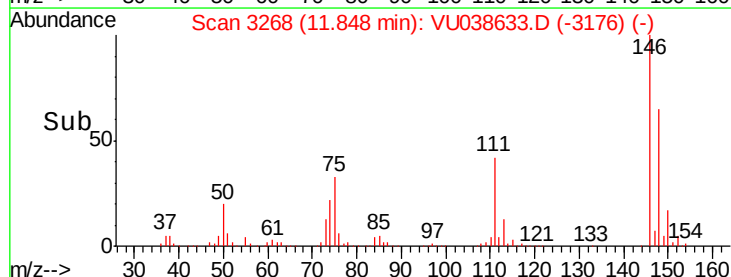
148 64.9 44.8 83.2

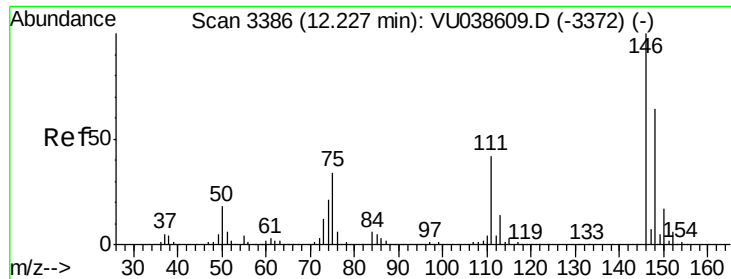


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

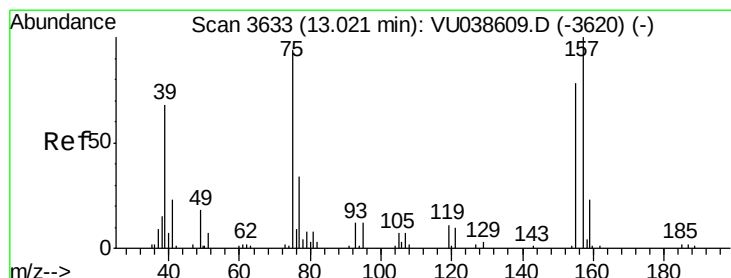
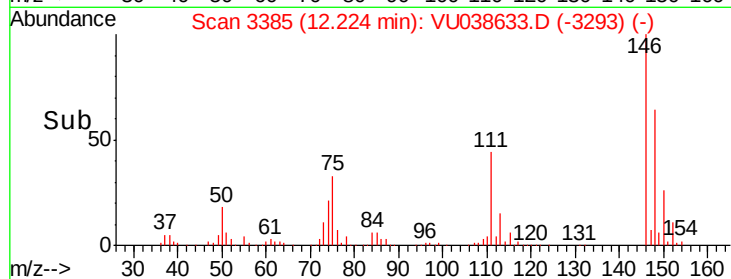
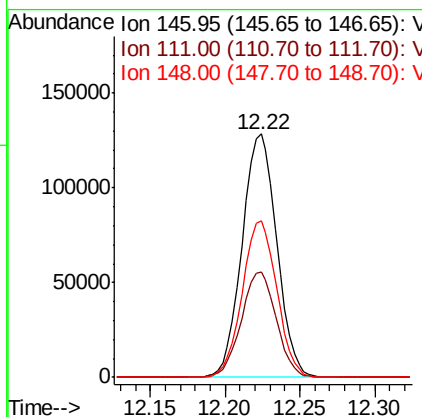
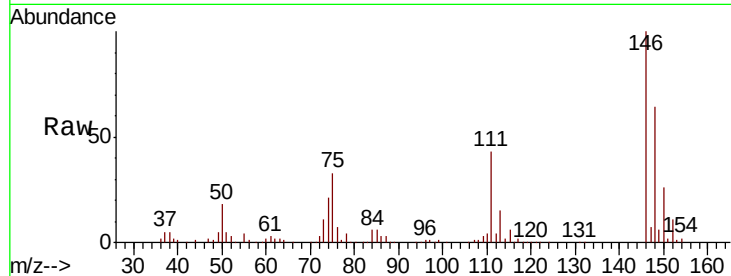




#65
 1,2-Dichlorobenzene
 Concen: 5.149 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

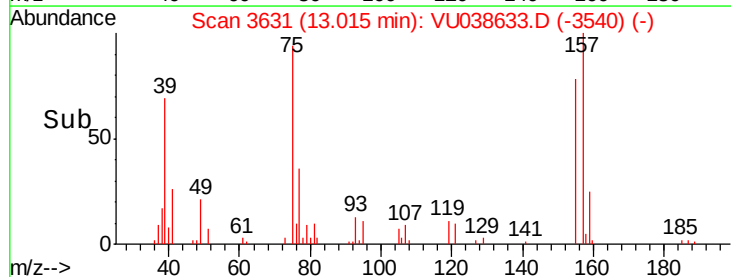
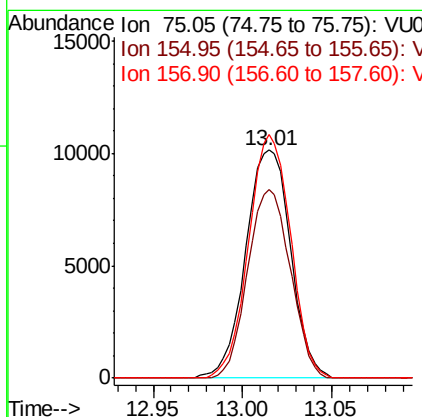
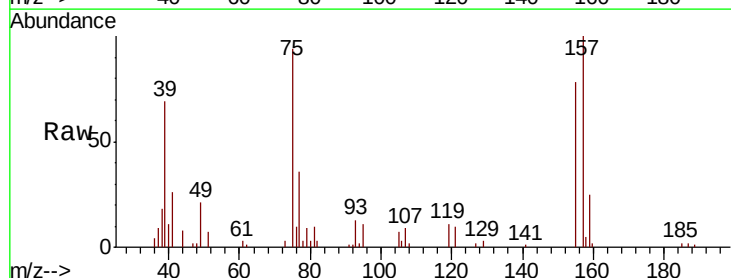
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

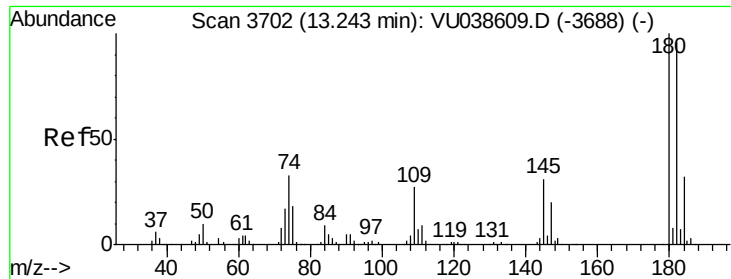
Tot Ion:146 Resp: 207077
 Ion Ratio Lower Upper
 146 100
 111 43.5 35.1 52.7
 148 64.4 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.494 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.01 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion: 75 Resp: 17889
 Ion Ratio Lower Upper
 75 100
 155 82.8 59.6 89.4
 157 106.7 79.8 119.6

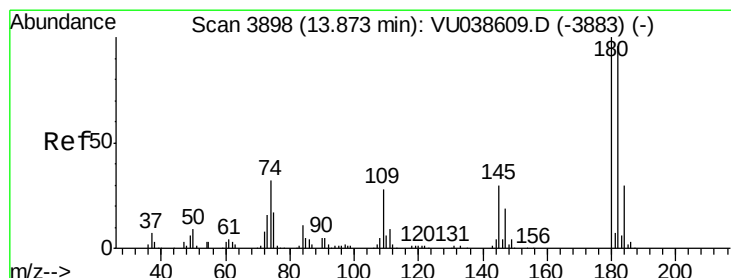
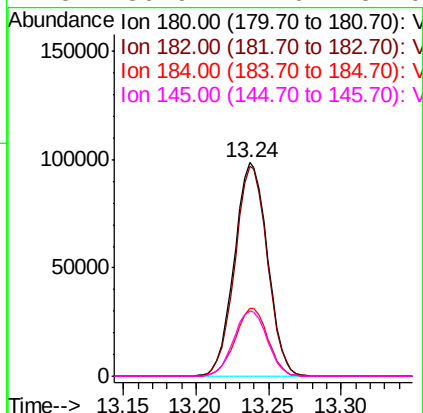
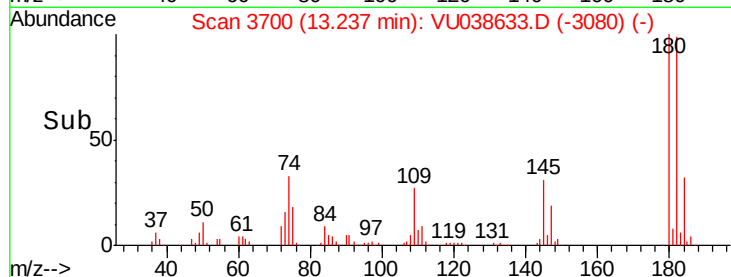
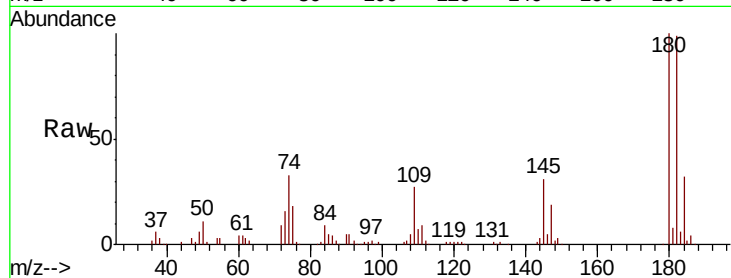




#67
 1,3,5-Trichlorobenzene
 Concen: 4.953 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

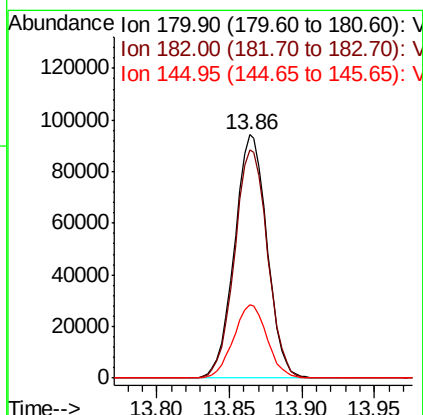
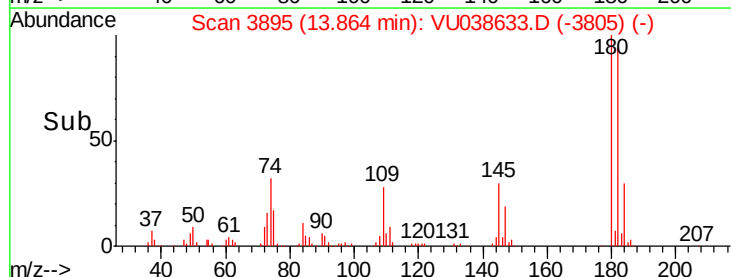
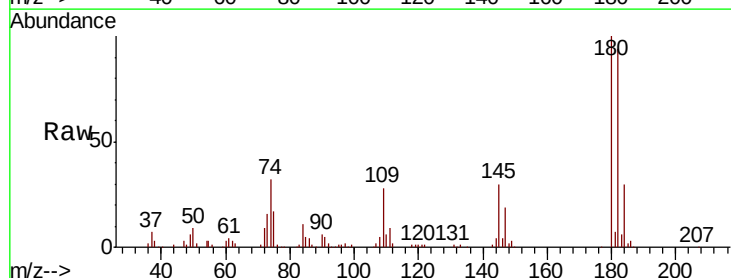
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00515

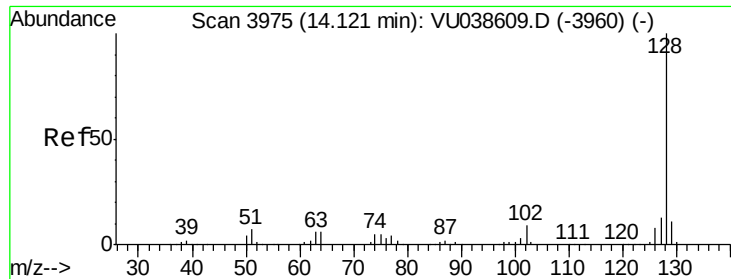
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.8	115.2
184	31.5	25.1	37.7
145	30.9	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.023 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038633.D
 Acq: 06 Jun 2020 21:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.8	113.8
145	30.8	25.3	37.9

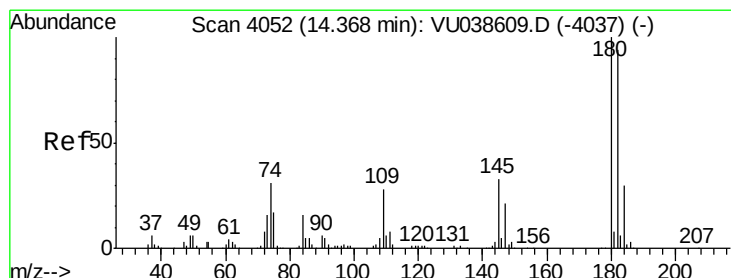
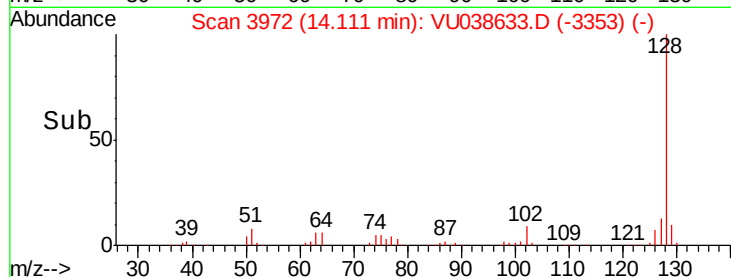
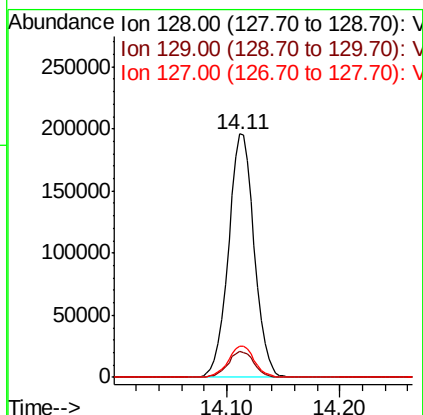
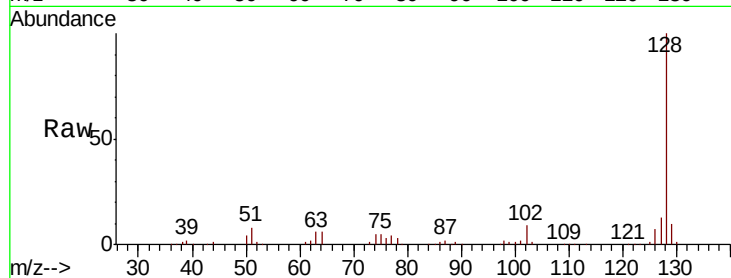




#69
Naphthalene
Concen: 5.312 ug/L
RT: 14.11 min Scan# 3972
Delta R.T. -0.01 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Instrument :
MSVOA_U
ClientSampleId :
VSTD00515

Tot Ion:128 Resp: 309200
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 12.9 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 5.189 ug/L
RT: 14.36 min Scan# 4049
Delta R.T. -0.01 min
Lab File: VU038633.D
Acq: 06 Jun 2020 21:53

Tgt Ion:180 Resp: 138081
Ion Ratio Lower Upper
180 100
182 95.4 78.7 118.1
145 34.1 27.5 41.3

