

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022120\
 Data File : VU036873.D
 Acq On : 21 Feb 2020 10:31
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 22 00:02:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 21 15:09:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	132763	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	123529	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	54981	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	48502	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.93	69	46663	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	2.59	63	86824	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	4.68	46	136701	57.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.18%
24) Chloroform-d	5.10	84	87479	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.74	65	48597	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.76	84	183607	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.72	67	60032	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.92	98	167282	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.20	79	22928	4.95	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.00%
46) 2-Hexanone-d5	8.66	63	113138	53.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.94%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	47813	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	52898	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	41941	4.784	ug/L	98
3) Chloromethane	1.53	50	49782	5.455	ug/L	98
5) Vinyl chloride	1.61	62	52553	4.930	ug/L	98
6) Bromomethane	1.87	94	26544	4.144	ug/L	97
8) Chloroethane	1.95	64	35618	4.783	ug/L	98
9) Trichlorofluoromethane	2.15	101	67619	4.822	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	43745	4.885	ug/L	99
12) 1,1-Dichloroethene	2.60	96	39907	4.942	ug/L	96
13) Acetone	2.67	43	157040	51.292	ug/L	100
14) Carbon disulfide	2.82	76	92571	4.750	ug/L	99
15) Methyl Acetate	2.99	43	21735	5.350	ug/L	99
16) Methylene chloride	3.08	84	49726	3.653	ug/L	98
17) Methyl tert-butyl Ether	3.40	73	123927	5.181	ug/L	99
18) trans-1,2-Dichloroethene	3.38	96	41594	4.991	ug/L	99
19) 1,1-Dichloroethane	3.91	63	89986	5.149	ug/L	98
21) 2-Butanone	4.76	43	190911	53.604	ug/L	100
22) cis-1,2-Dichloroethene	4.71	96	52012	5.157	ug/L	96

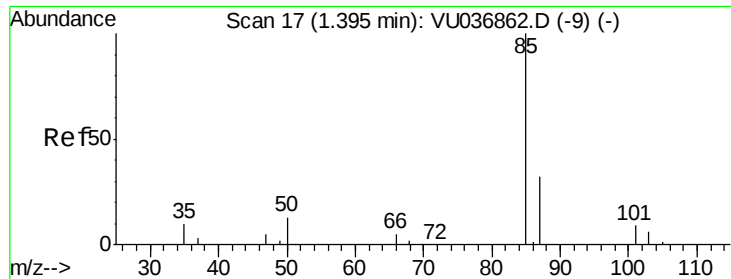
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022120\
 Data File : VU036873.D
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 21 15:09:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	20236	5.047	uq/L	98
25) Chloroform	5.13	83	90022	4.823	uq/L	98
27) 1,2-Dichloroethane	5.83	62	60362	5.074	uq/L	100
29) 1,1,1-Trichloroethane	5.35	97	68493	5.049	uq/L	98
30) Cyclohexane	5.42	56	73173	5.078	uq/L	98
31) Carbon tetrachloride	5.56	117	50920	4.652	uq/L	98
33) Benzene	5.81	78	194776	5.112	uq/L	100
34) Trichloroethene	6.57	95	49211	5.071	uq/L	98
35) Methylcyclohexane	6.79	83	77867	5.056	uq/L	98
37) 1,2-Dichloropropane	6.82	63	54661	5.254	uq/L	100
38) Bromodichloromethane	7.14	83	64230	5.174	uq/L	100
39) cis-1,3-Dichloropropene	7.64	75	77970	5.179	uq/L	98
40) 4-Methyl-2-pentanone	7.83	43	363127	54.089	uq/L	100
42) Toluene	8.00	91	210921	5.154	uq/L	96
44) trans-1,3-Dichloropropene	8.24	75	60945	5.180	uq/L	100
45) 1,1,2-Trichloroethane	8.43	97	38527	5.323	uq/L	96
47) Tetrachloroethene	8.58	164	31369	4.752	uq/L	95
48) 2-Hexanone	8.72	43	310520	54.049	uq/L	99
49) Dibromochloromethane	8.83	129	38894	5.196	uq/L	98
50) 1,2-Dibromoethane	8.95	107	34092	5.215	uq/L	98
51) Chlorobenzene	9.47	112	127891	5.052	uq/L	99
52) Ethylbenzene	9.59	91	231536	5.066	uq/L	99
53) m,p-Xylene	9.72	106	85250	5.068	uq/L	92
54) o-Xylene	10.12	106	85023	5.147	uq/L	96
55) Styrene	10.13	104	141087	5.067	uq/L	97
56) Isopropylbenzene	10.50	105	227847	5.155	uq/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	49759	5.252	uq/L	99
59) 1,2,3-Trichloropropane	10.84	75	36488	5.312	uq/L	98
61) Bromoform	10.31	173	19683	5.196	uq/L	98
62) 1,3-Dichlorobenzene	11.76	146	93740	4.949	uq/L	98
63) 1,4-Dichlorobenzene	11.85	146	94844	5.051	uq/L	100
65) 1,2-Dichlorobenzene	12.23	146	92821	5.083	uq/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	6853	5.029	uq/L	94
67) 1,3,5-Trichlorobenzene	13.25	180	67025	5.026	uq/L	98
68) 1,2,4-trichlorobenzene	13.88	180	51026	5.074	uq/L	99
69) Naphthalene	14.12	128	108683	5.965	uq/L	99
70) 1,2,3-Trichlorobenzene	14.37	180	48232	5.344	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.784 ug/L

RT: 1.39 min Scan# 16

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

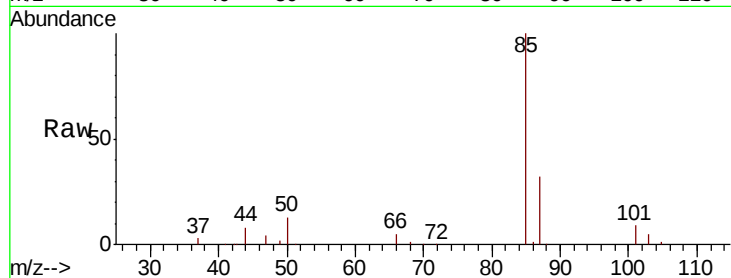
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 41941

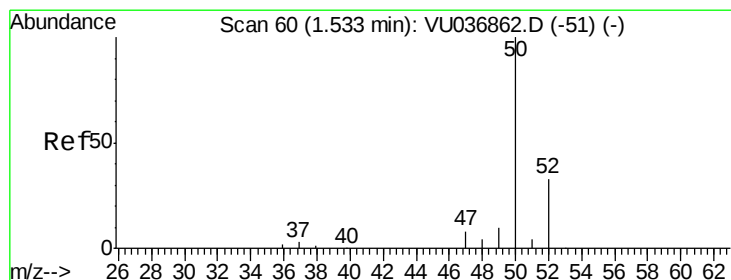
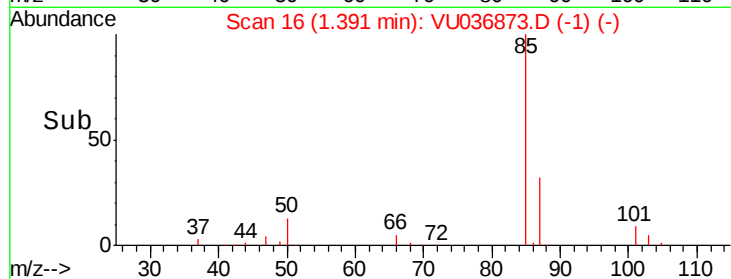
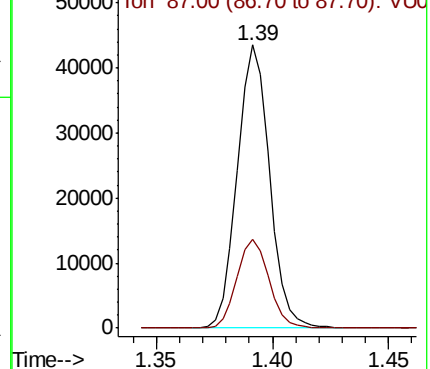
Ion Ratio Lower Upper

85 100

87 31.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VU036862.D (-9) (-)



#3

Chloromethane

Concen: 5.455 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU036873.D

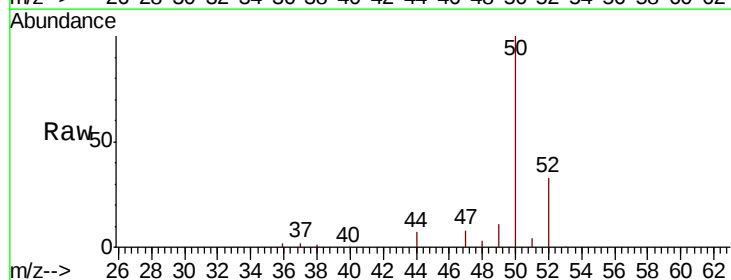
Acq: 21 Feb 2020 10:31

Tgt Ion: 50 Resp: 49782

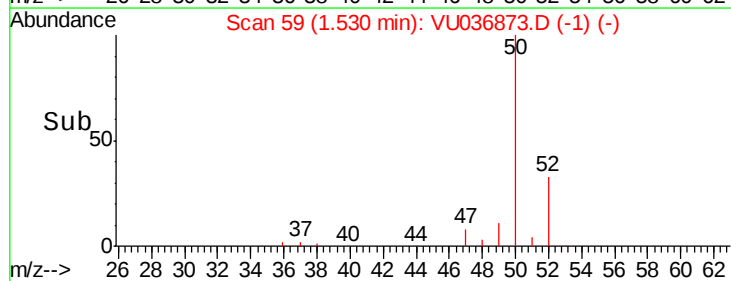
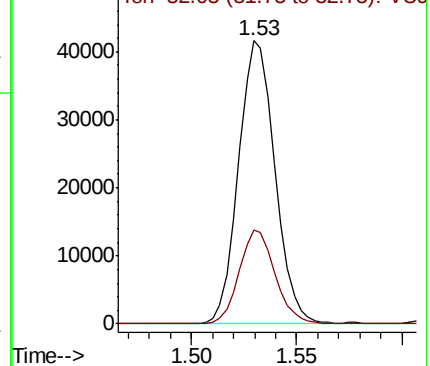
Ion Ratio Lower Upper

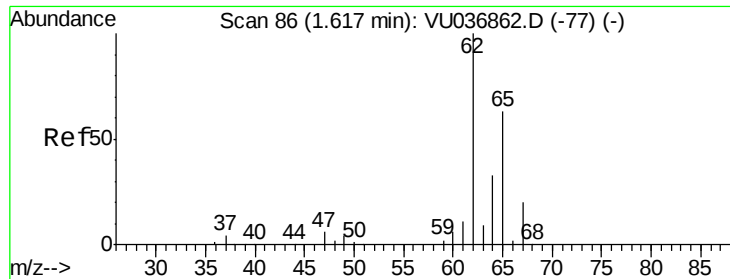
50 100

52 33.1 23.8 44.2



Abundance Ion 50.05 (49.75 to 50.75): VU036862.D (-51) (-)





#5

Vinyl chloride

Concen: 4.930 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

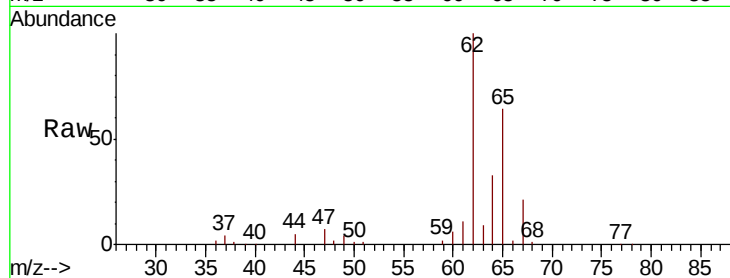
ClientSampled :

Tot Ion: 62 Resp: 52553

Ion Ratio Lower Upper

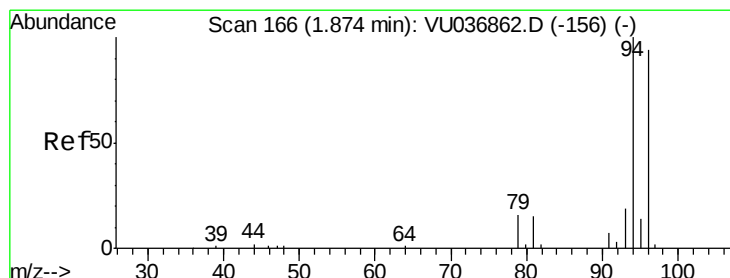
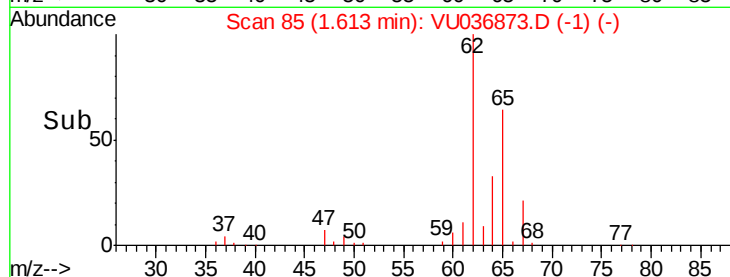
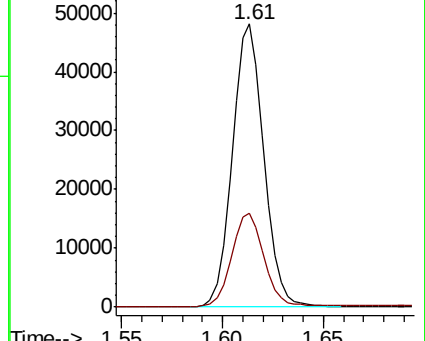
62 100

64 33.1 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.144 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU036873.D

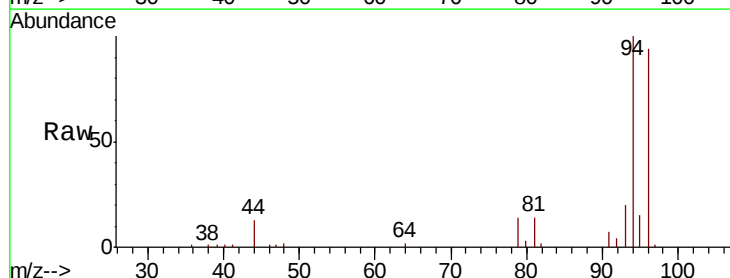
Acq: 21 Feb 2020 10:31

Tgt Ion: 94 Resp: 26544

Ion Ratio Lower Upper

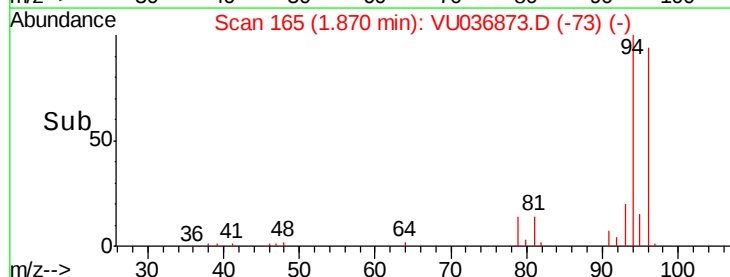
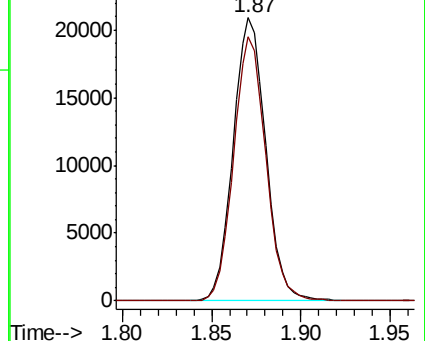
94 100

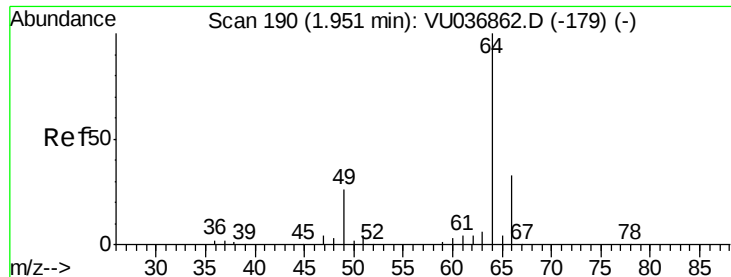
96 93.5 63.3 117.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.783 ug/L

RT: 1.95 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

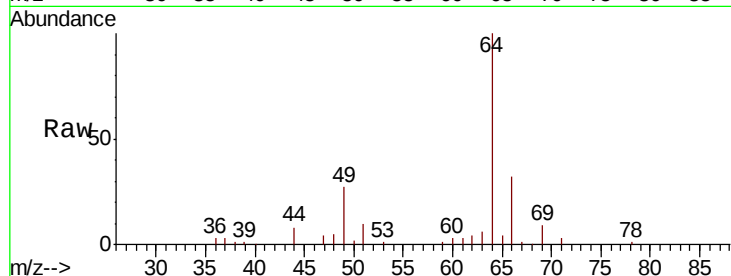
ClientSampleId :

Tot Ion: 64 Resp: 35618

Ion Ratio Lower Upper

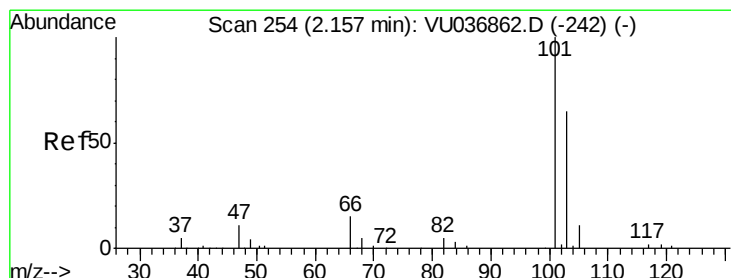
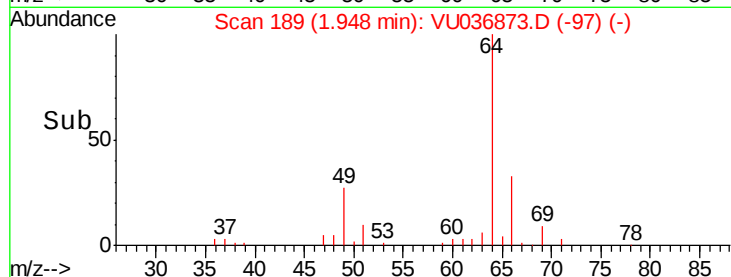
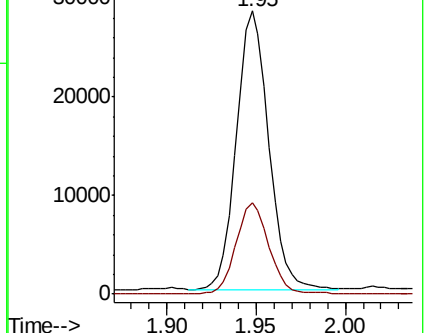
64 100

66 32.2 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VU036873.D (-189) (-)

Ion 66.05 (65.75 to 66.75): VU036873.D (-189) (-)



#9

Trichlorofluoromethane

Concen: 4.822 ug/L

RT: 2.15 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU036873.D

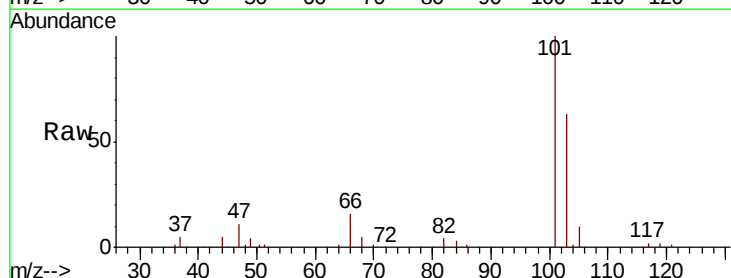
Acq: 21 Feb 2020 10:31

Tgt Ion:101 Resp: 67619

Ion Ratio Lower Upper

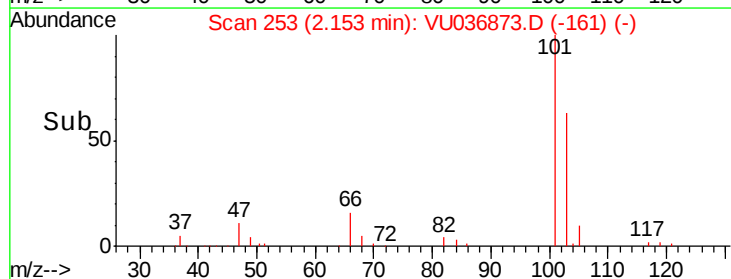
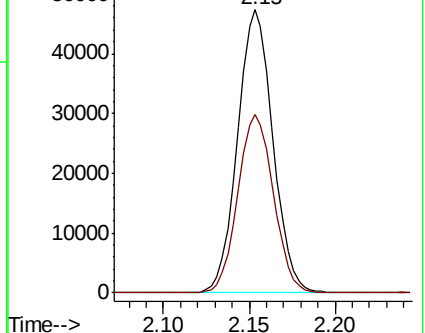
101 100

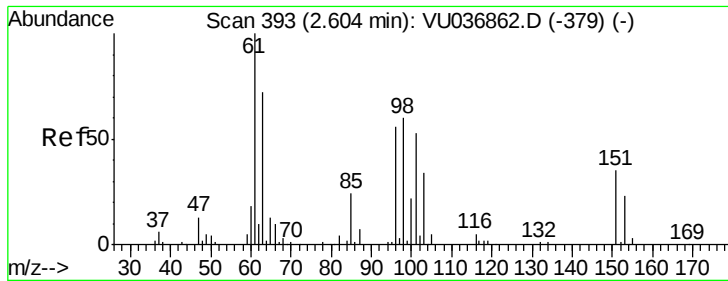
103 63.5 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VU036873.D (-253) (-)

Ion 103.00 (102.70 to 103.70): VU036873.D (-253) (-)





#10

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

Concen: 4.885 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

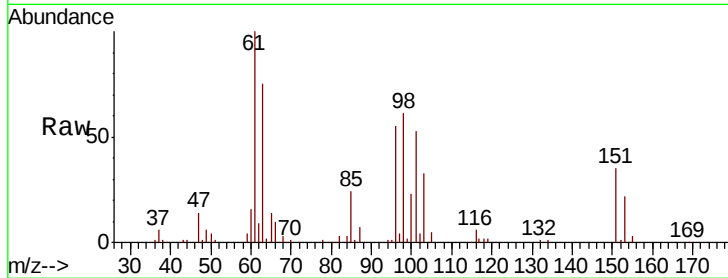
Tot Ion:101 Resp: 43745

Ion Ratio Lower Upper

101 100

85 45.6 36.4 54.6

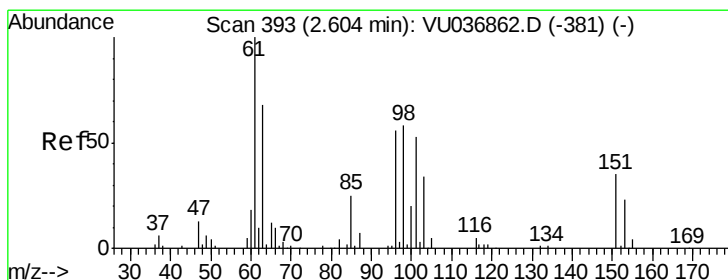
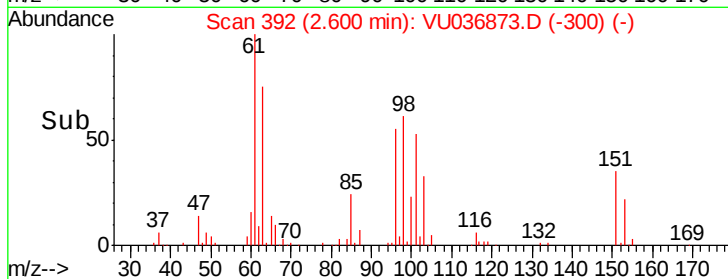
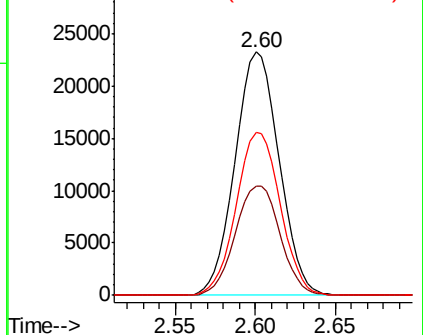
151 66.7 54.0 81.0



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: 4.942 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

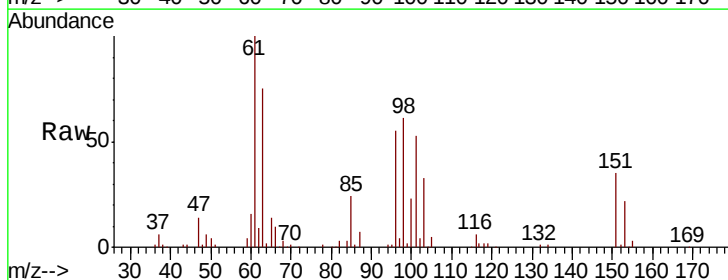
Tgt Ion: 96 Resp: 39907

Ion Ratio Lower Upper

96 100

61 182.1 126.4 234.8

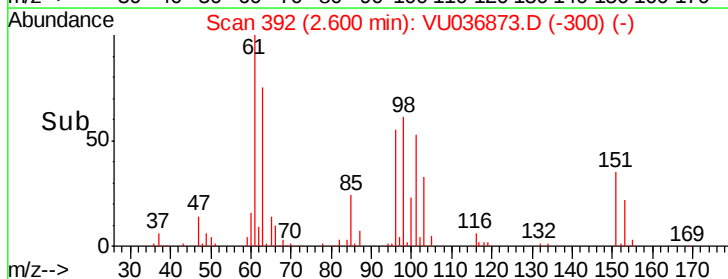
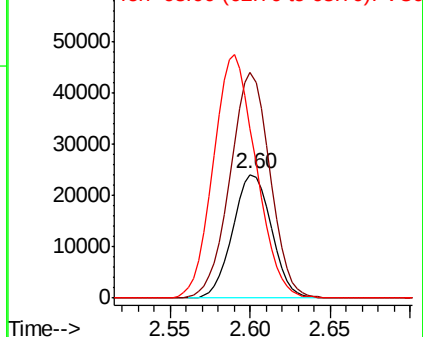
63 136.9 89.5 166.3

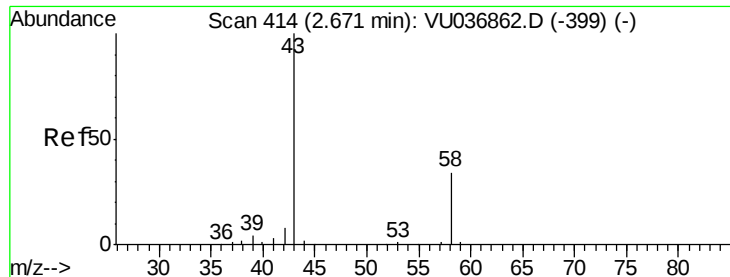


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.292 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

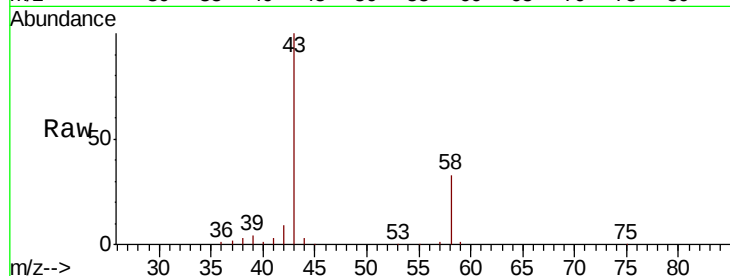
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 157040

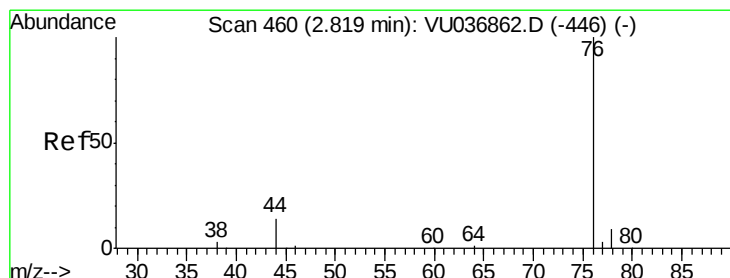
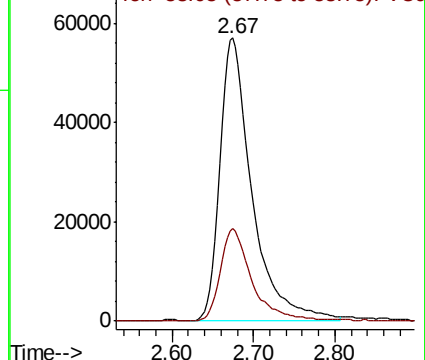
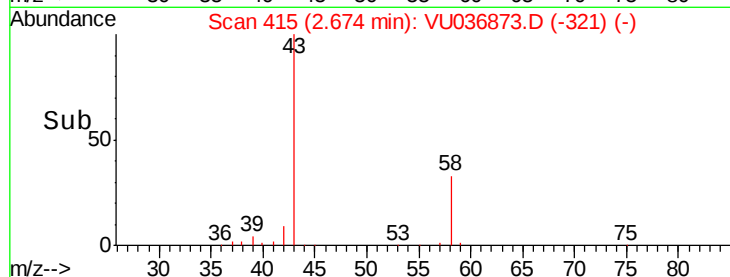
Ion Ratio Lower Upper

43 100

58 32.3 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036873.D (-321) (-)



#14

Carbon disulfide

Concen: 4.750 ug/L

RT: 2.82 min Scan# 459

Delta R.T. -0.00 min

Lab File: VU036873.D

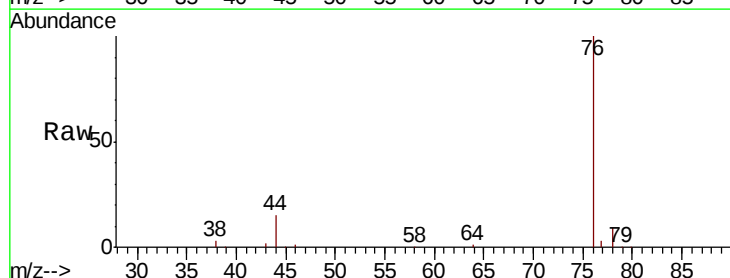
Acq: 21 Feb 2020 10:31

Tgt Ion: 76 Resp: 92571

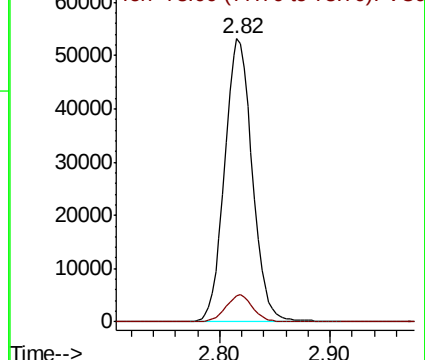
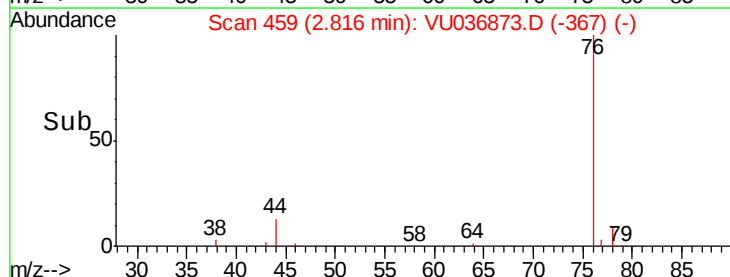
Ion Ratio Lower Upper

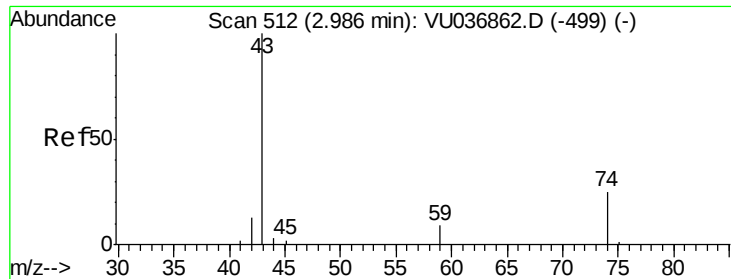
76 100

78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU036873.D (-367) (-)

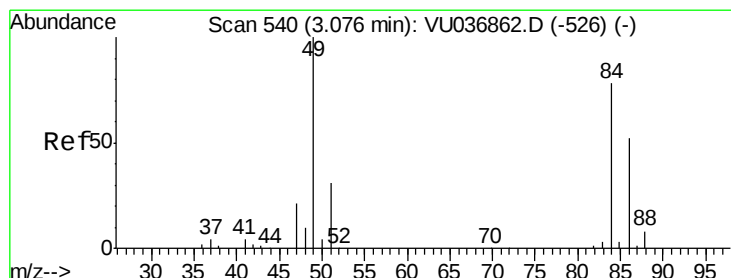
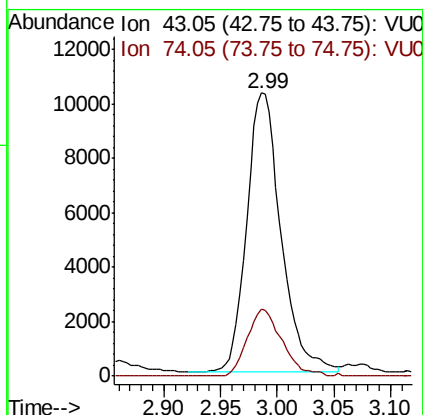
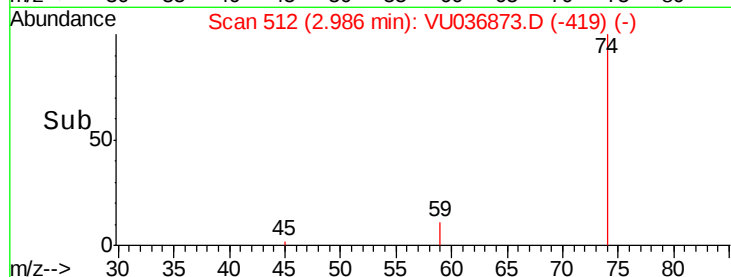
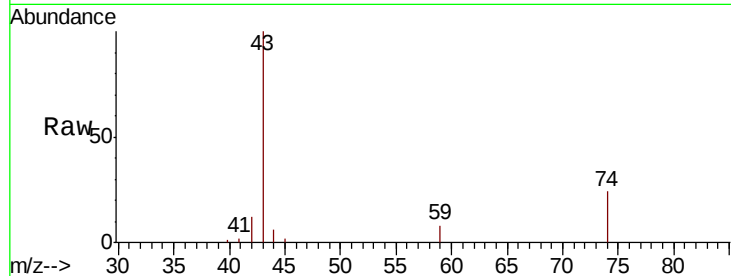




#15
Methvl Acetate
Concen: 5.350 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

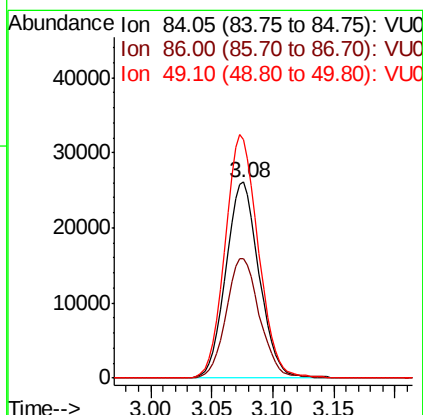
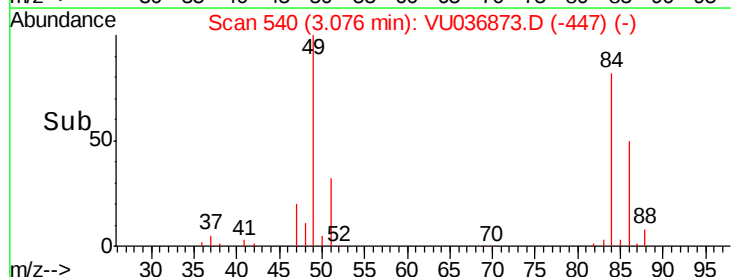
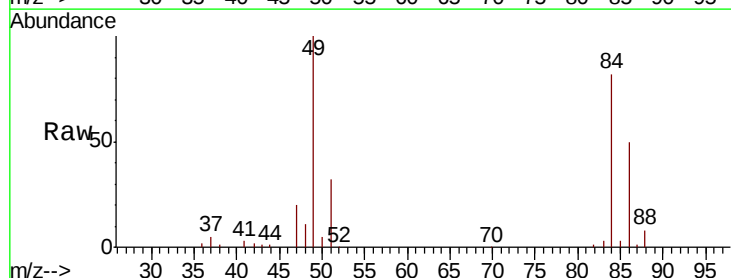
Instrument :
MSVOA_U
ClientSampleId :

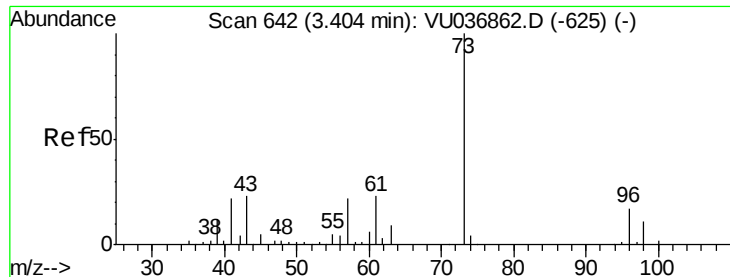
Tot Ion: 43 Resp: 21735
Ion Ratio Lower Upper
43 100
74 24.1 19.0 28.4



#16
Methylene chloride
Concen: 3.653 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Tgt Ion: 84 Resp: 49726
Ion Ratio Lower Upper
84 100
86 61.0 44.7 82.9
49 121.7 86.7 160.9

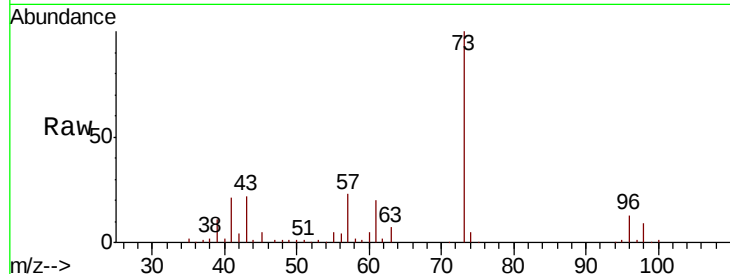




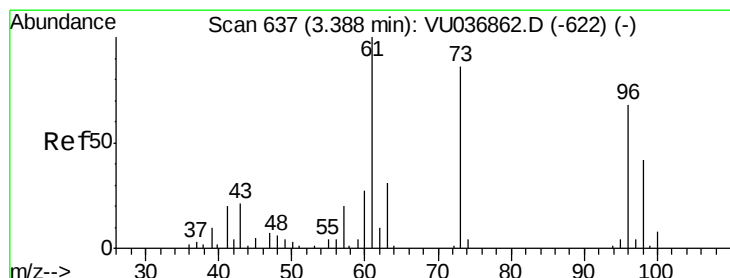
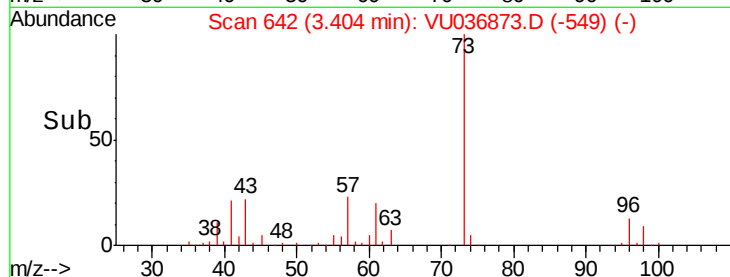
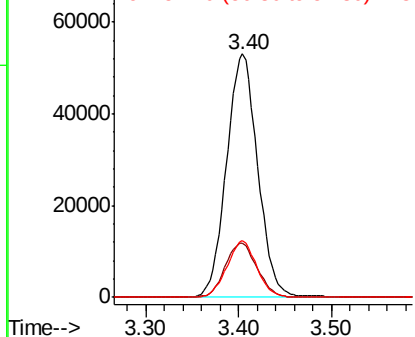
#17
Methvl tert-butvl Ether
Concen: 5.181 ug/L
RT: 3.40 min Scan# 642
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 73 Resp: 123927
Ion Ratio Lower Upper
73 100
43 22.9 18.7 28.1
57 22.2 17.9 26.9

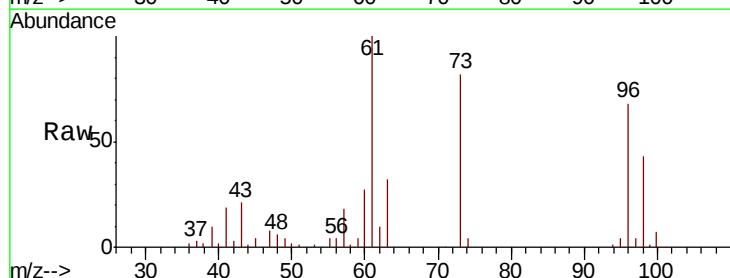


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

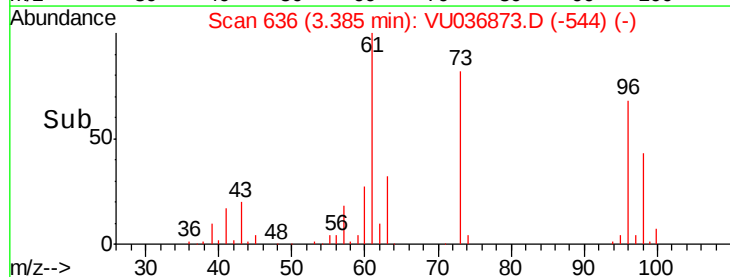
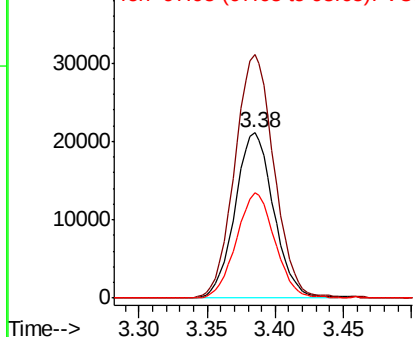


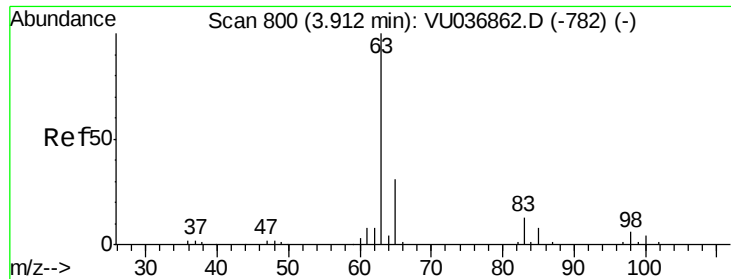
#18
trans-1,2-Dichloroethene
Concen: 4.991 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Tgt Ion: 96 Resp: 41594
Ion Ratio Lower Upper
96 100
61 147.4 102.6 190.5
98 63.5 44.5 82.7



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

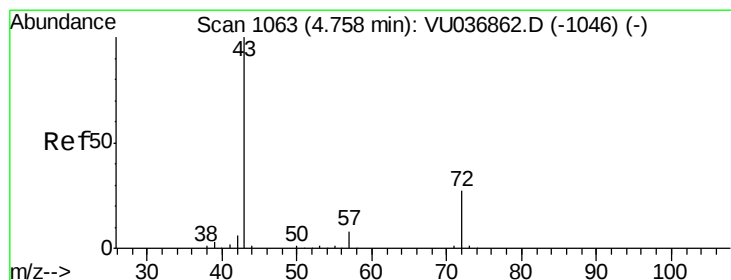
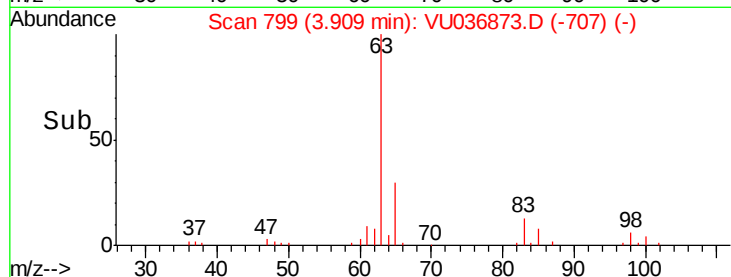
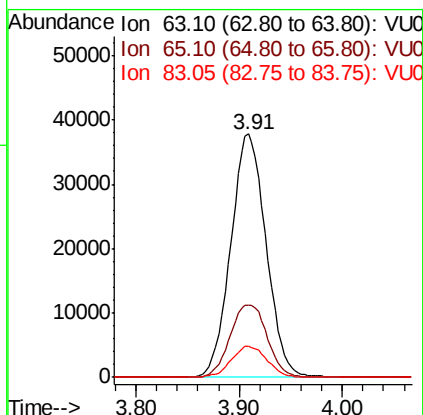
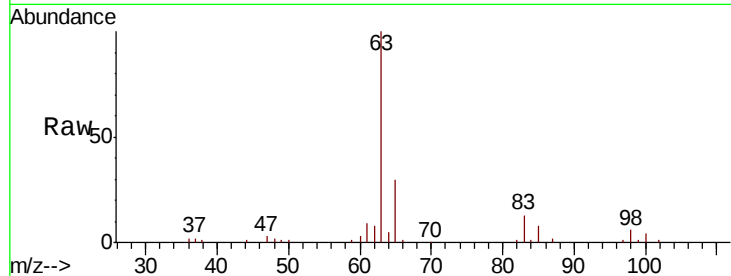




#19
 1,1-Dichloroethane
 Concen: 5.149 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

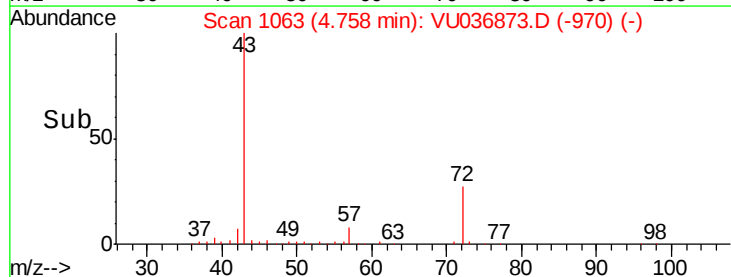
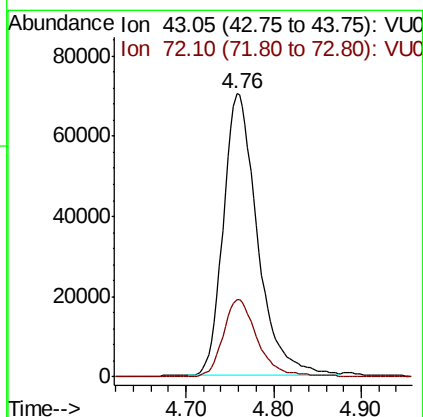
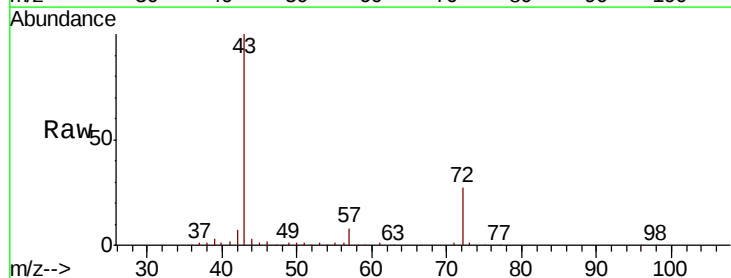
Instrument :
 MSVOA_U
 ClientSampleId :

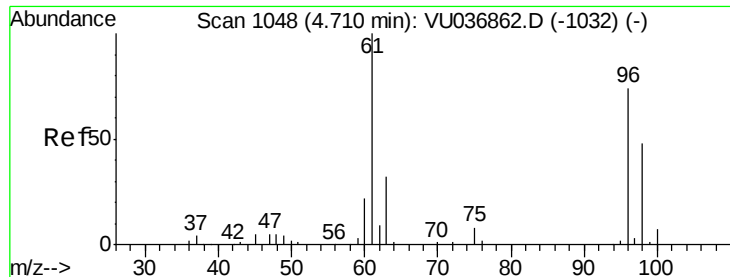
Tot Ion: 63 Resp: 89986
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.6 40.2
 83 12.7 8.8 16.3



#21
 2-Butanone
 Concen: 53.604 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion: 43 Resp: 190911
 Ion Ratio Lower Upper
 43 100
 72 27.7 14.0 41.9





#22

cis-1,2-Dichloroethene

Concen: 5.157 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

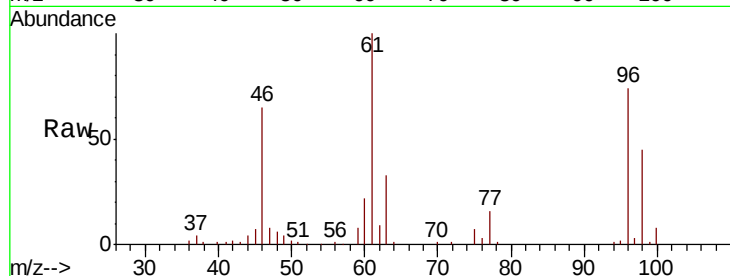
Tot Ion: 96 Resp: 52012

Ion Ratio Lower Upper

96 100

61 135.4 91.2 169.4

68 0.0 0.0 0.0

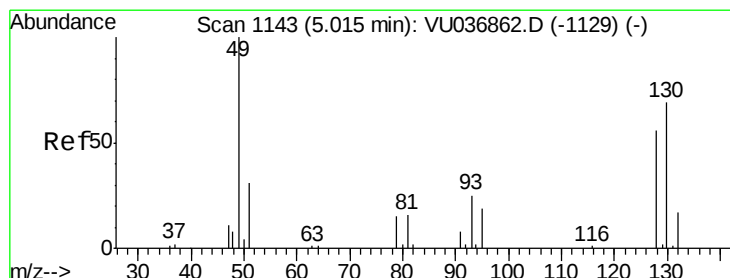
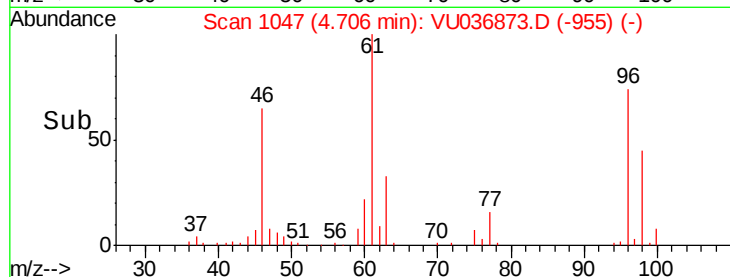
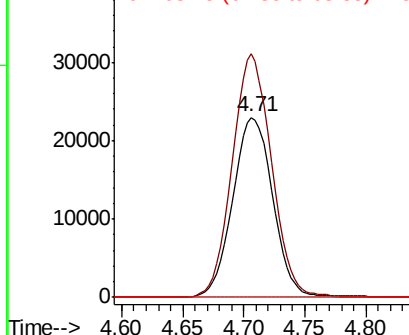


Abundance

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: 5.047 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Tgt Ion: 128 Resp: 20236

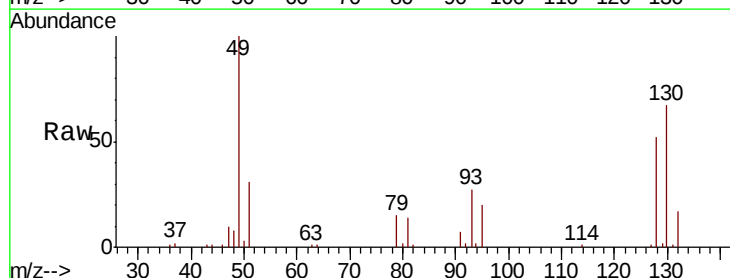
Ion Ratio Lower Upper

128 100

49 192.7 132.4 245.8

130 128.8 89.0 165.2

51 59.6 45.6 68.4



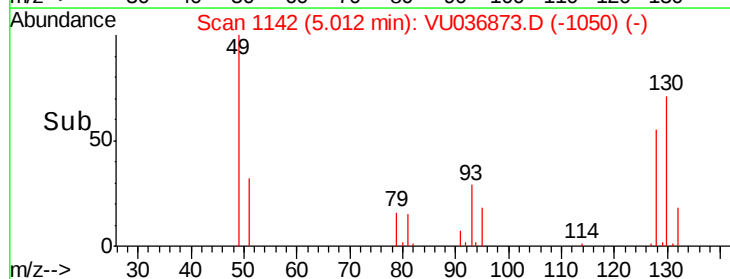
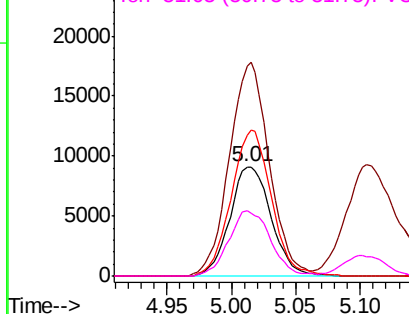
Abundance

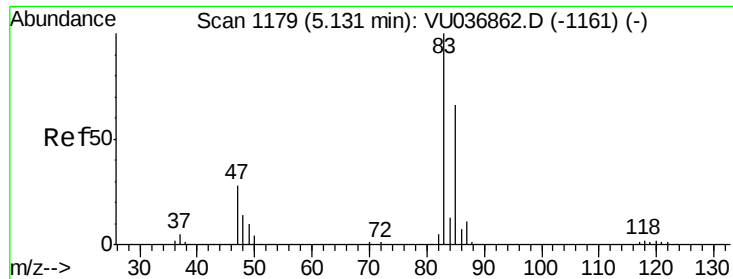
Ion 127.90 (127.60 to 128.60): V

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

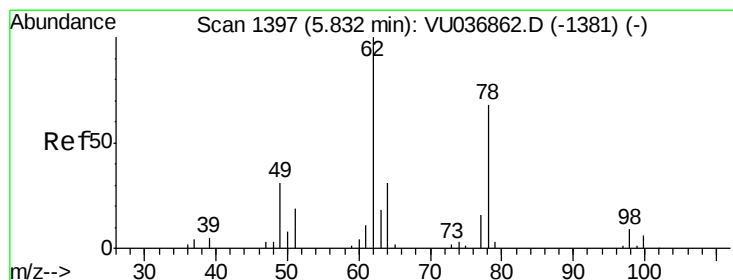
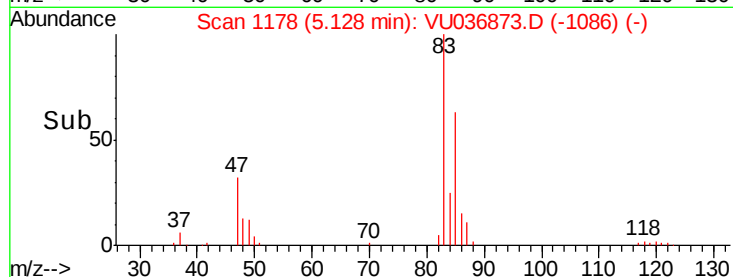
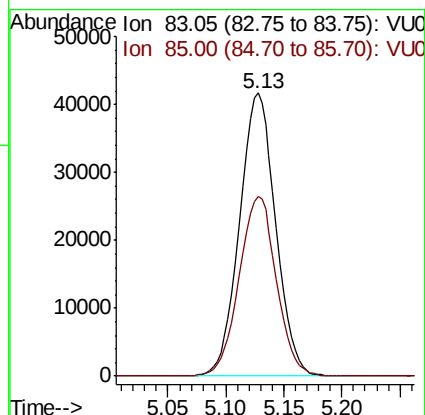
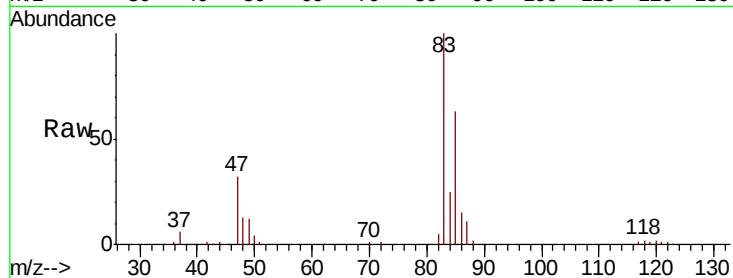




#25
Chloroform
Concen: 4.823 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

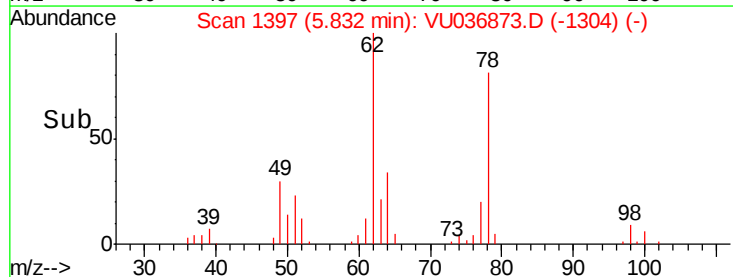
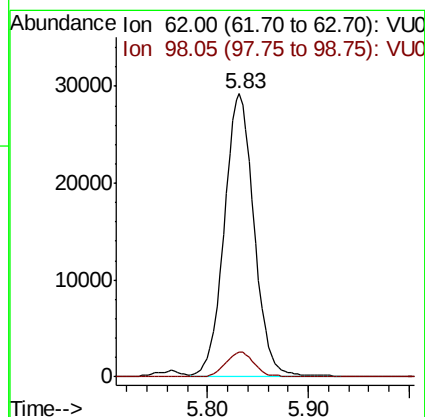
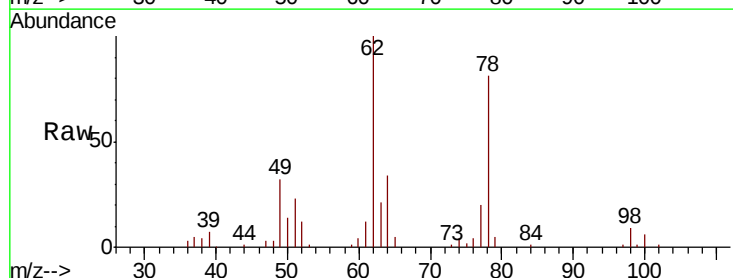
Instrument :
MSVOA_U
ClientSampleId :

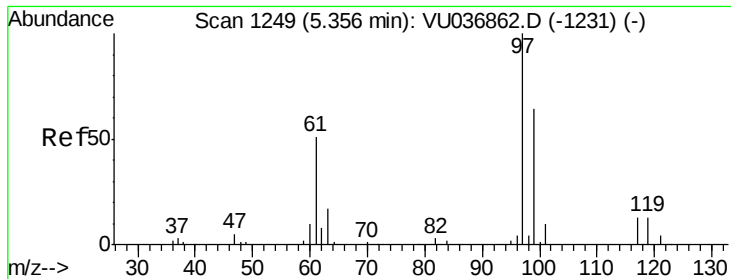
Tot Ion: 83 Resp: 90022
Ion Ratio Lower Upper
83 100
85 63.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 5.074 ug/L
RT: 5.83 min Scan# 1397
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Tgt Ion: 62 Resp: 60362
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4

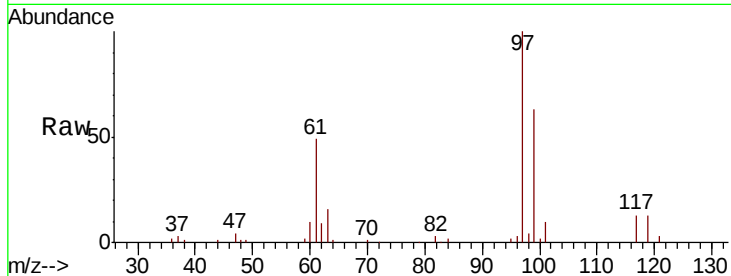




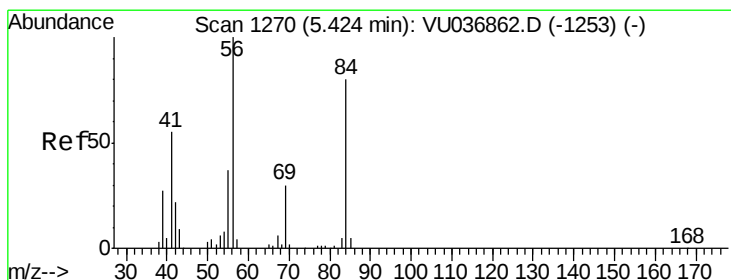
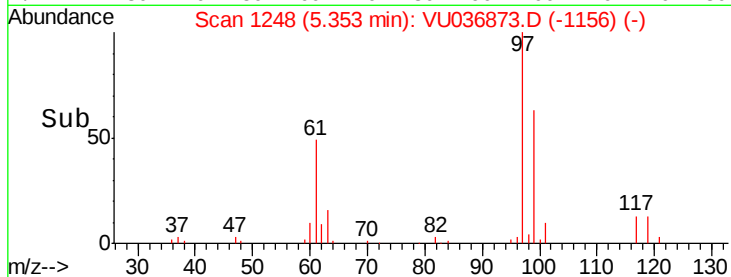
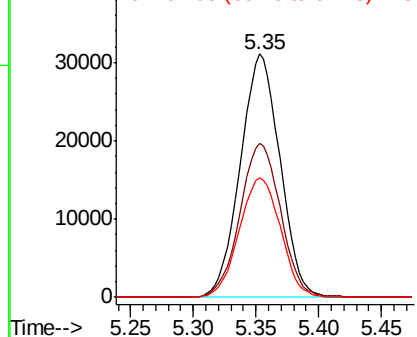
#29
 1,1,1-Trichloroethane
 Concen: 5.049 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 68493
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.0 76.4
 61 50.9 41.6 62.4

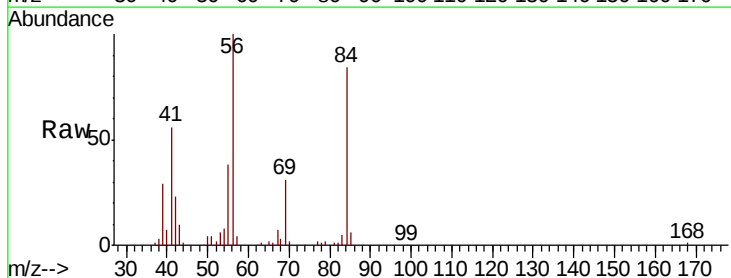


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

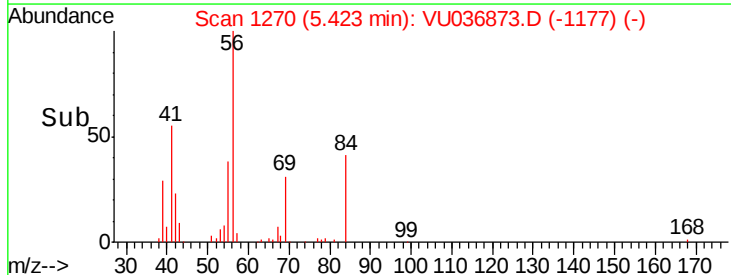
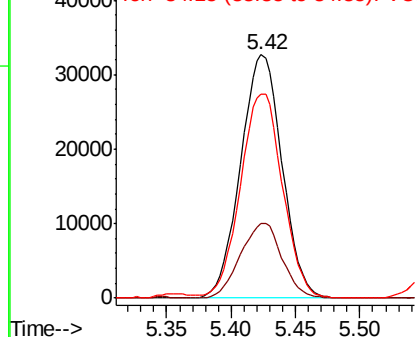


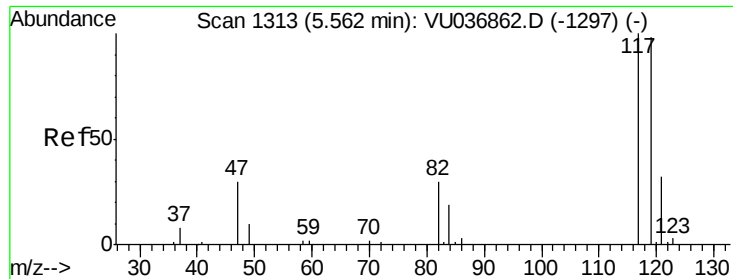
#30
 Cyclohexane
 Concen: 5.078 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion: 56 Resp: 73173
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.6 37.0
 84 85.5 70.0 105.0



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: 4.652 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

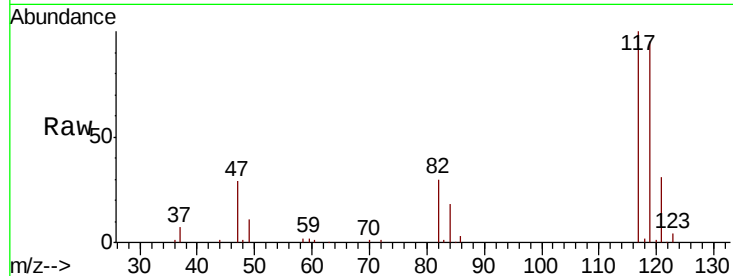
ClientSampleId :

Tot Ion:117 Resp: 50920

Ion Ratio Lower Upper

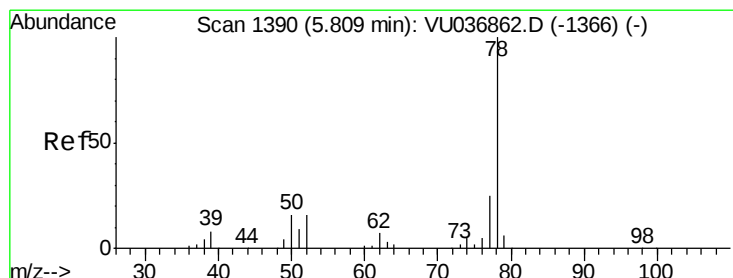
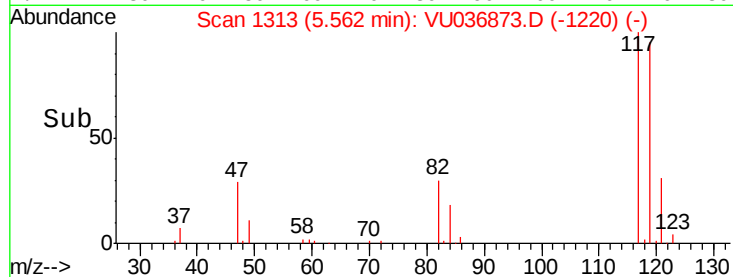
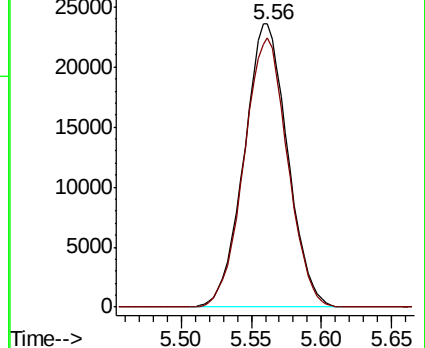
117 100

119 95.1 74.5 111.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.112 ug/L

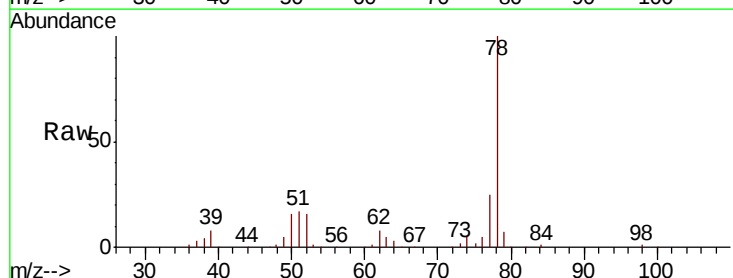
RT: 5.81 min Scan# 1390

Delta R.T. -0.00 min

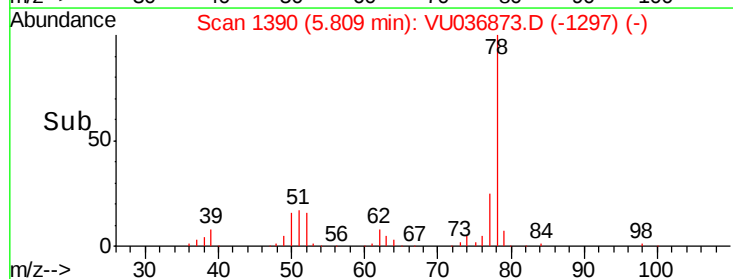
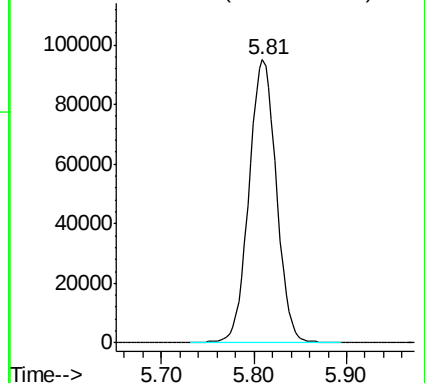
Lab File: VU036873.D

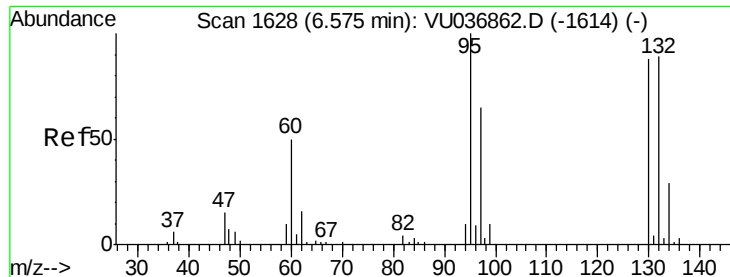
Acq: 21 Feb 2020 10:31

Tgt Ion: 78 Resp: 194776



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.071 ug/L

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 49211

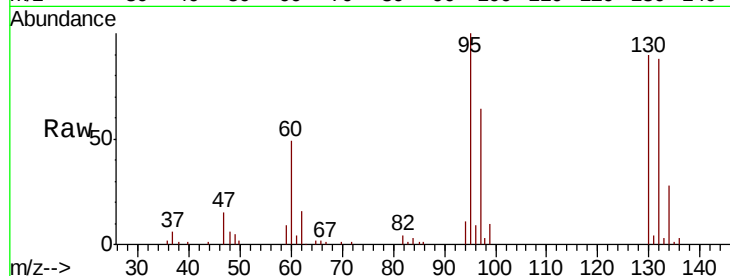
Ion Ratio Lower Upper

95 100

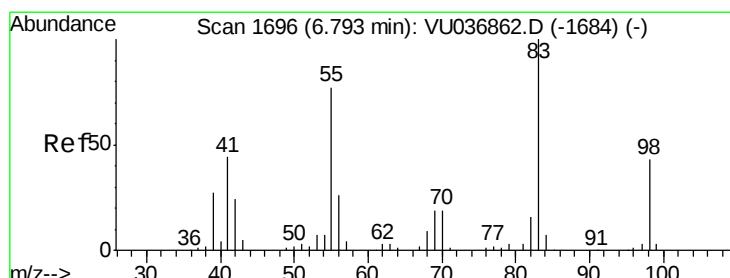
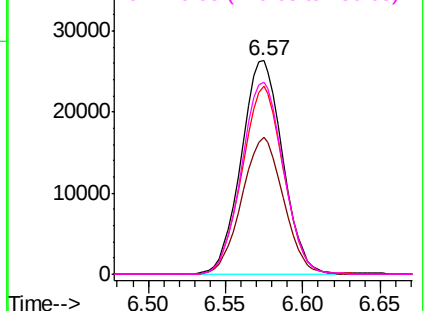
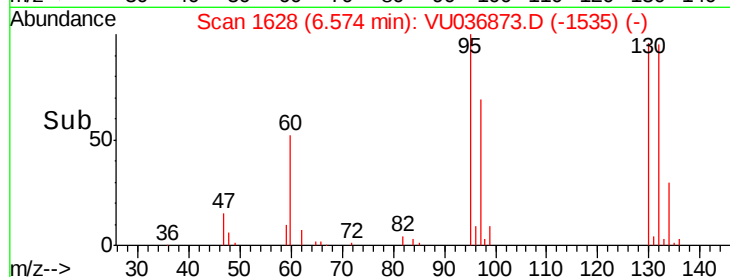
97 63.9 45.6 84.8

132 88.1 62.8 116.6

130 89.8 63.8 118.4



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: 5.056 ug/L

RT: 6.79 min Scan# 1696

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

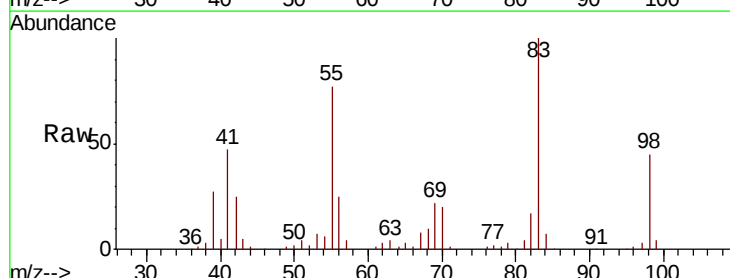
Tgt Ion: 83 Resp: 77867

Ion Ratio Lower Upper

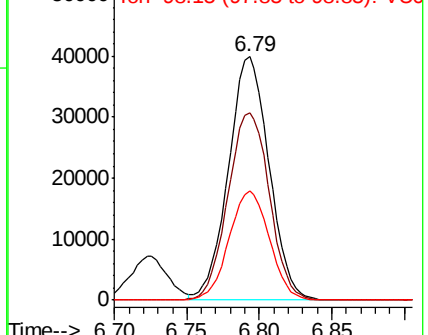
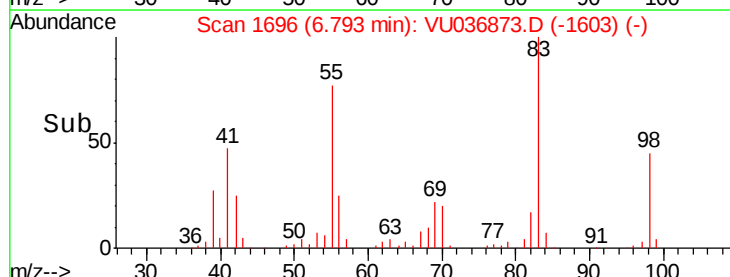
83 100

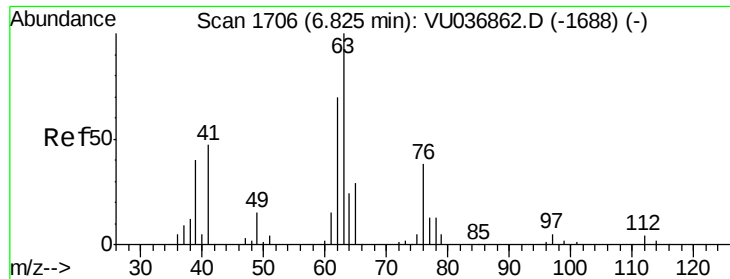
55 78.2 61.0 91.4

98 44.4 34.2 51.4



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

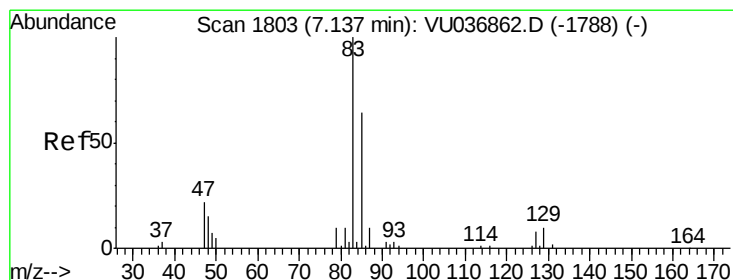
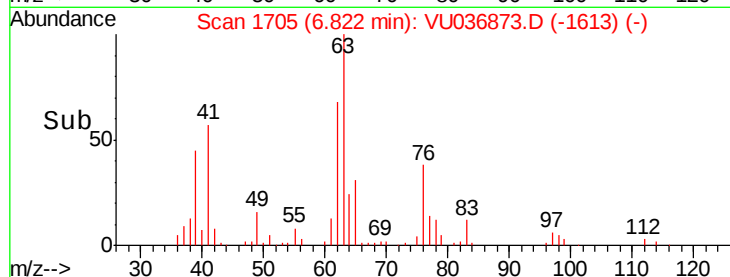
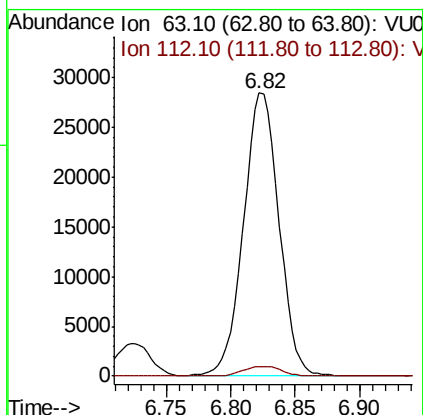
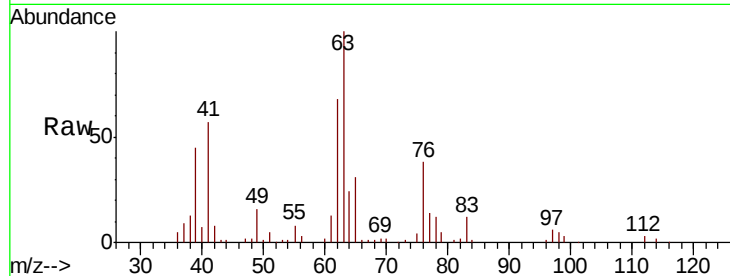




#37
 1,2-Dichloropropane
 Concen: 5.254 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

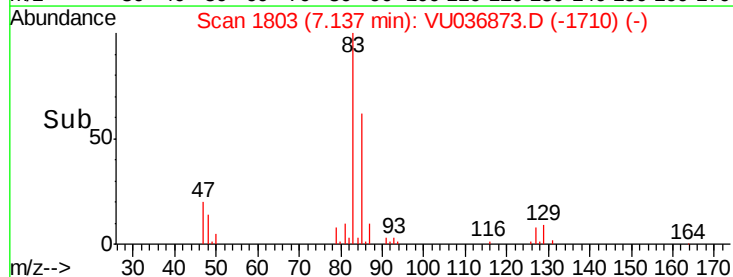
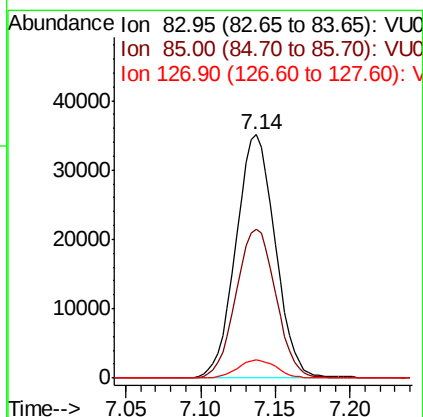
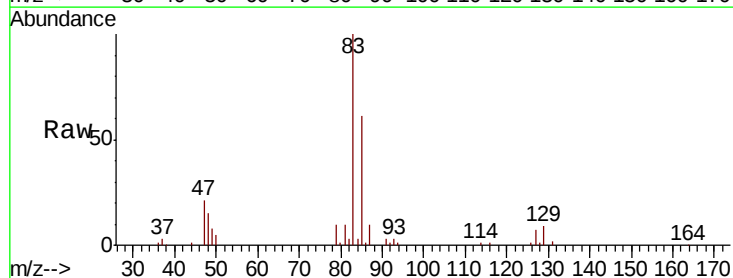
Instrument :
 MSVOA_U
 ClientSampleId :

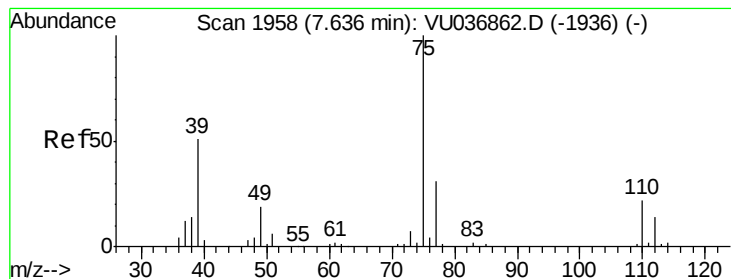
Tot Ion: 63 Resp: 54661
 Ion Ratio Lower Upper
 63 100
 112 3.6 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.174 ug/L
 RT: 7.14 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion: 83 Resp: 64230
 Ion Ratio Lower Upper
 83 100
 85 61.2 43.0 80.0
 127 7.5 6.3 9.5



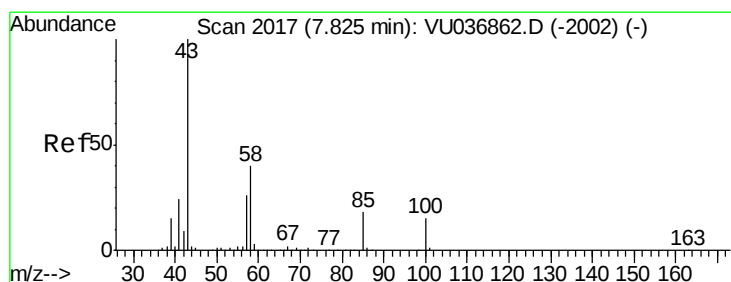
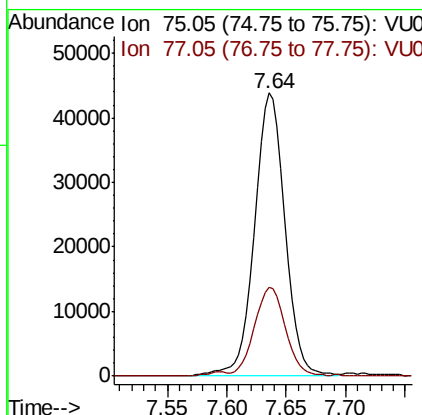
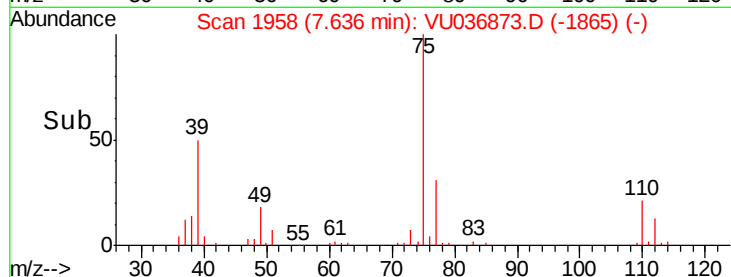
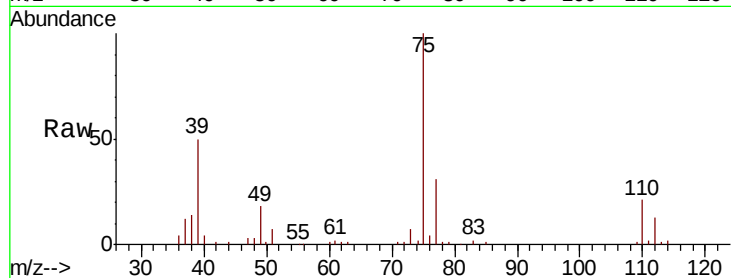


#39

cis-1,3-Dichloropropene
 Concen: 5.179 ug/L
 RT: 7.64 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :

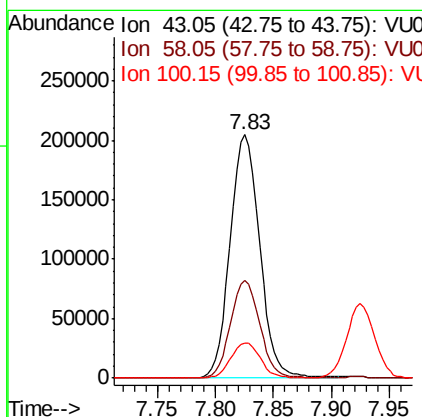
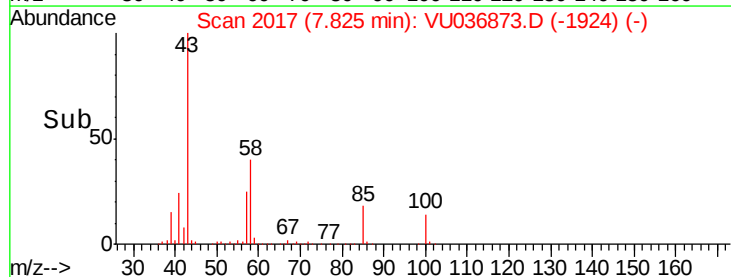
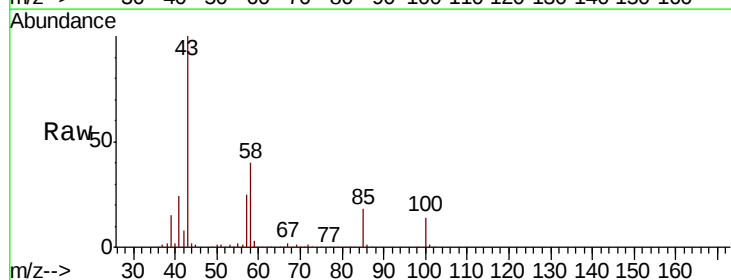
Tot Ion: 75 Resp: 77970
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.5 41.9

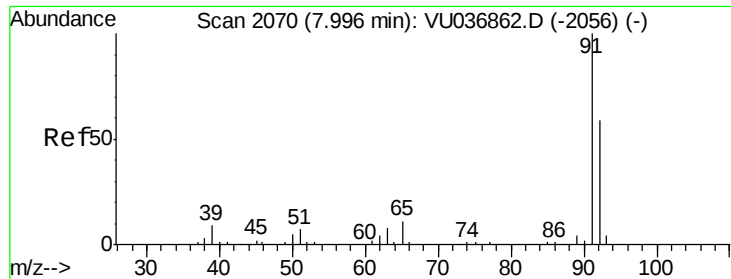


#40

4-Methyl-2-pentanone
 Concen: 54.089 ug/L
 RT: 7.83 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion: 43 Resp: 363127
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.0 48.0
 100 14.5 11.8 17.8





#42

Toluene

Concen: 5.154 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

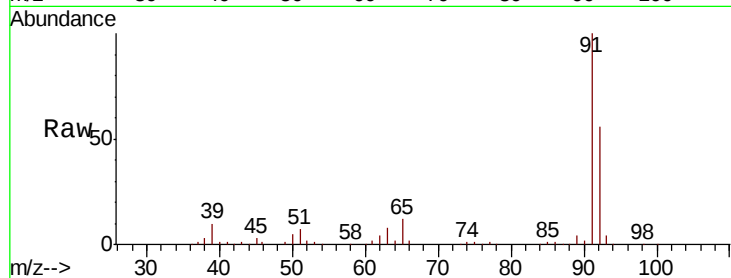
ClientSampled :

Tot Ion: 91 Resp: 210921

Ion Ratio Lower Upper

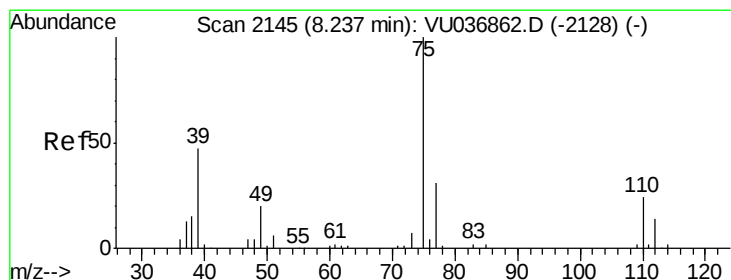
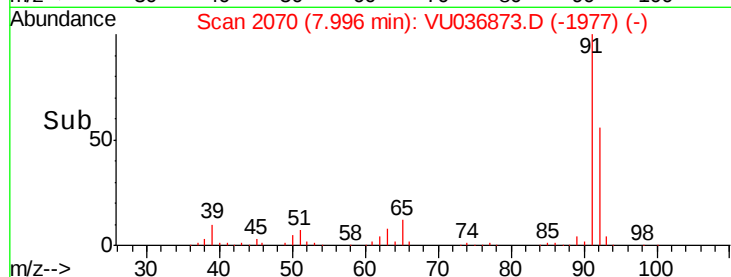
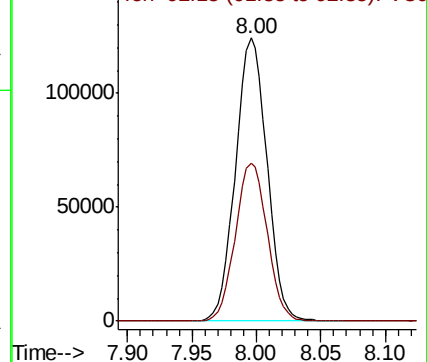
91 100

92 56.0 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 5.180 ug/L

RT: 8.24 min Scan# 2145

Delta R.T. -0.00 min

Lab File: VU036873.D

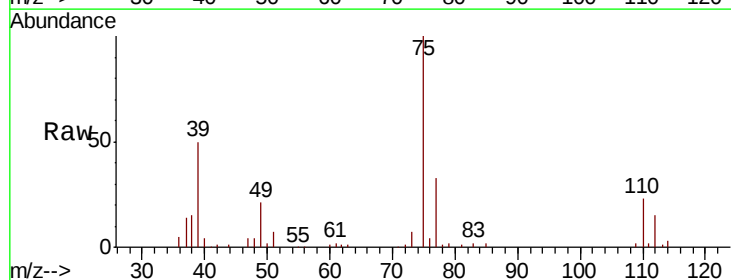
Acq: 21 Feb 2020 10:31

Tgt Ion: 75 Resp: 60945

Ion Ratio Lower Upper

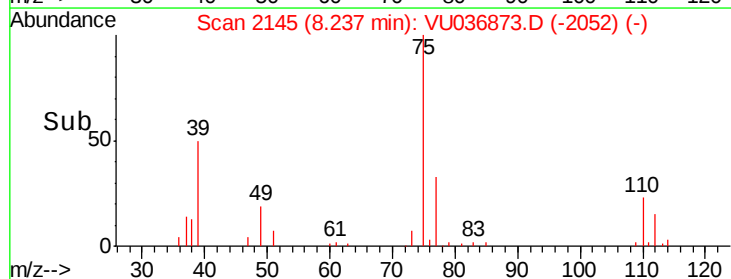
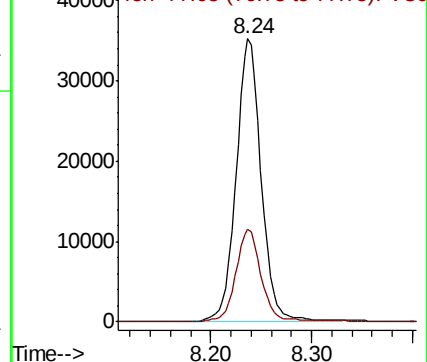
75 100

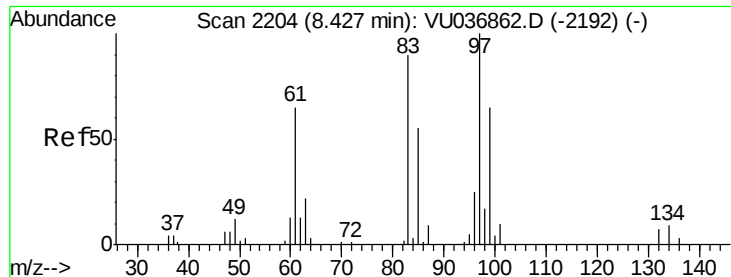
77 32.9 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

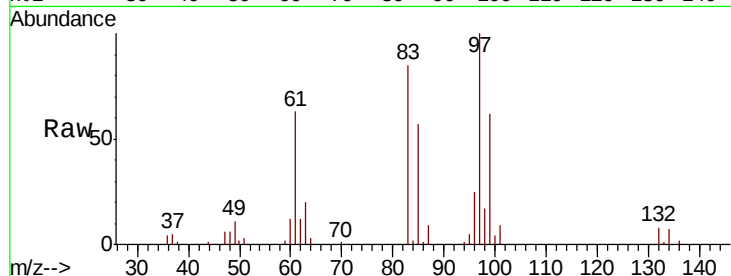




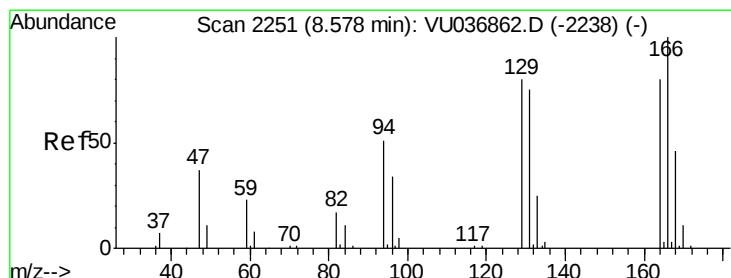
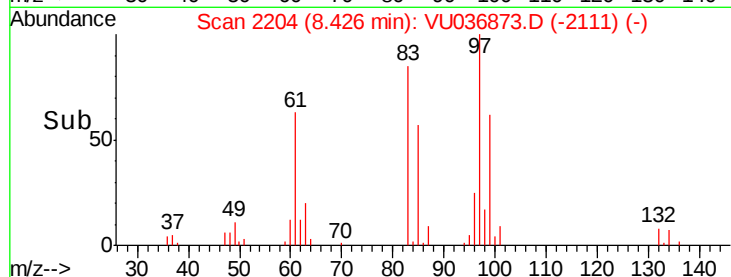
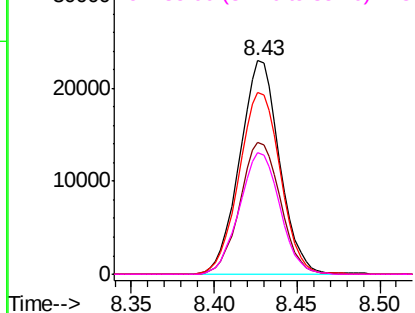
#45
 1,1,2-Trichloroethane
 Concen: 5.323 ug/L
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:	97	Resp:	38527
Ion	Ratio	Lower	Upper
97	100		
99	61.9	44.1	81.9
83	84.9	63.5	117.9
85	56.8	41.2	76.4

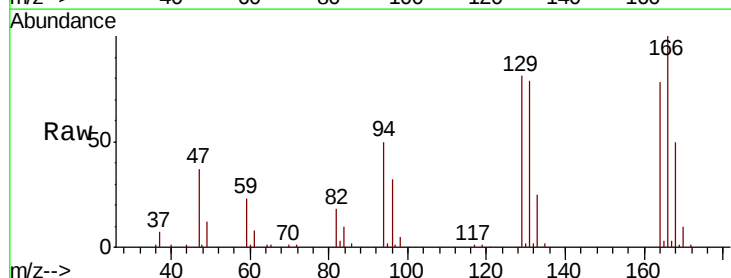


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

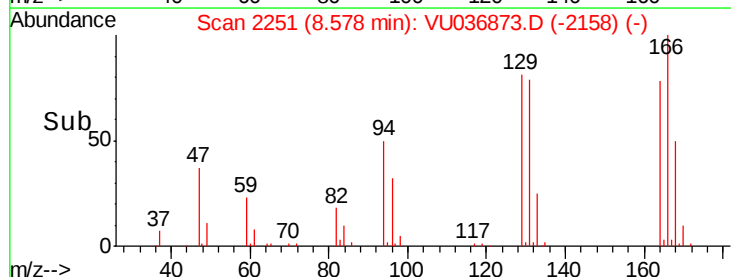
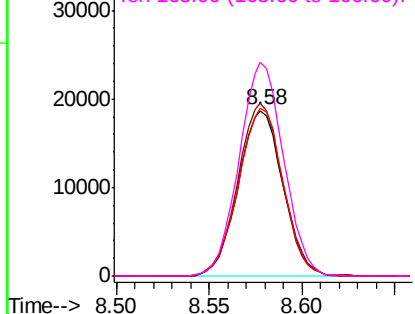


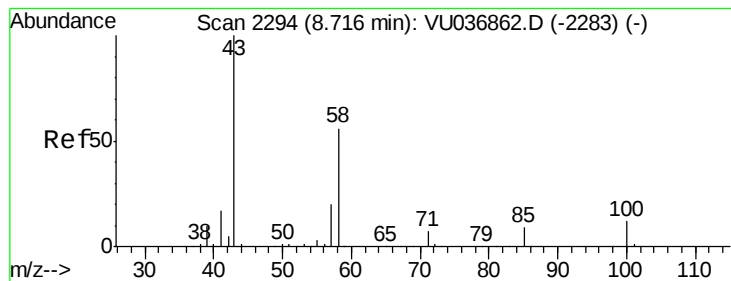
#47
 Tetrachloroethene
 Concen: 4.752 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion:	164	Resp:	31369
Ion	Ratio	Lower	Upper
164	100		
129	104.2	68.0	126.4
131	101.3	69.4	128.8
166	129.0	86.6	160.8



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: 54.049 ug/L

RT: 8.72 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 310520

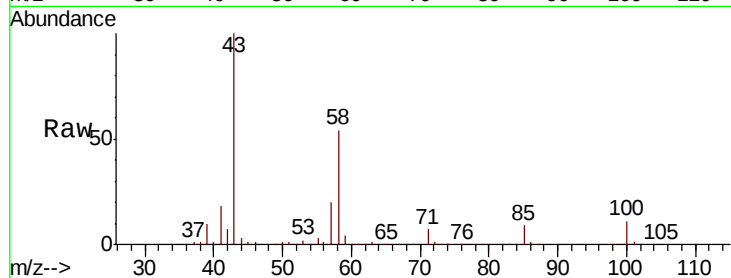
Ion Ratio Lower Upper

43 100

58 53.5 43.6 65.4

57 18.9 15.0 22.4

100 10.9 9.0 13.6

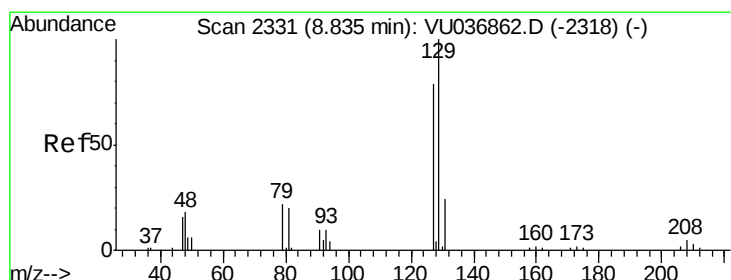
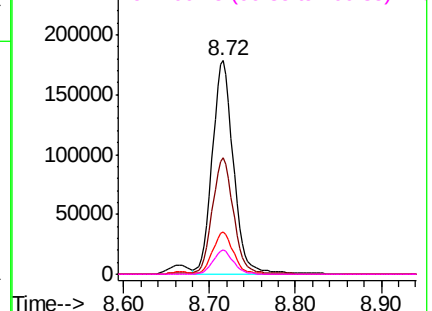
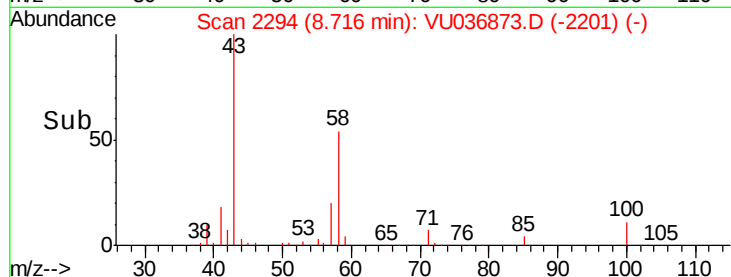


Abundance Ion 43.05 (42.75 to 43.75): VU036873.D (-2201) (-)

Ion 58.05 (57.75 to 58.75): VU036873.D (-2201) (-)

Ion 57.20 (56.90 to 57.90): VU036873.D (-2201) (-)

Ion 100.15 (99.85 to 100.85): VU036873.D (-2201) (-)



#49

Dibromochloromethane

Concen: 5.196 ug/L

RT: 8.83 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU036873.D

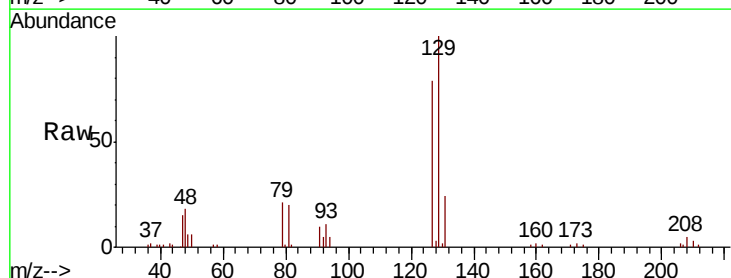
Acq: 21 Feb 2020 10:31

Tgt Ion: 129 Resp: 38894

Ion Ratio Lower Upper

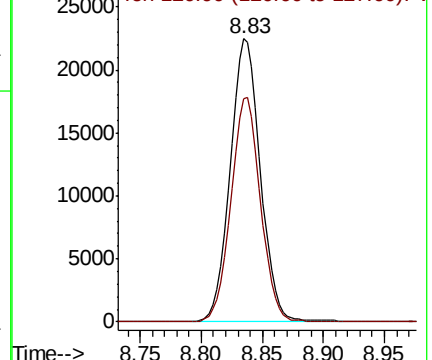
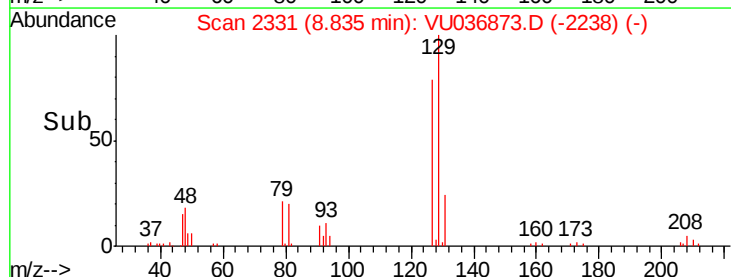
129 100

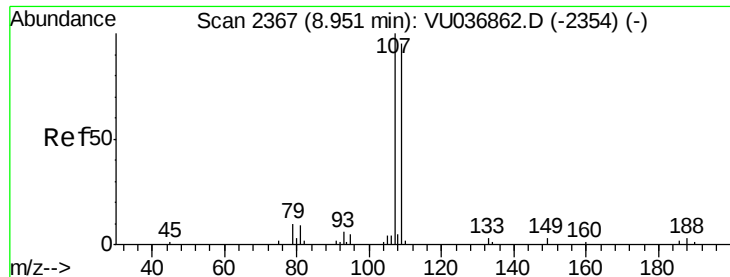
127 79.0 56.7 105.3



Abundance Ion 128.95 (128.65 to 129.65): VU036873.D (-2238) (-)

Ion 126.90 (126.60 to 127.60): VU036873.D (-2238) (-)

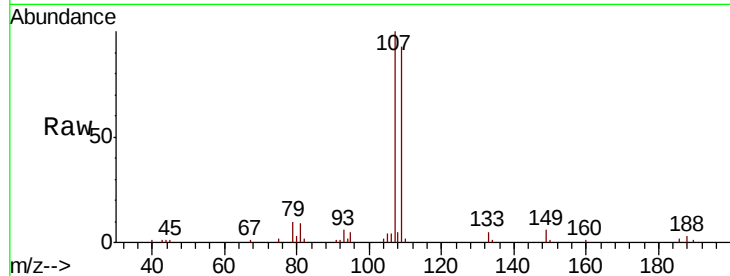




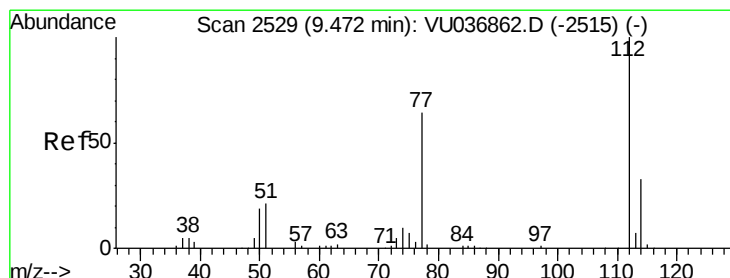
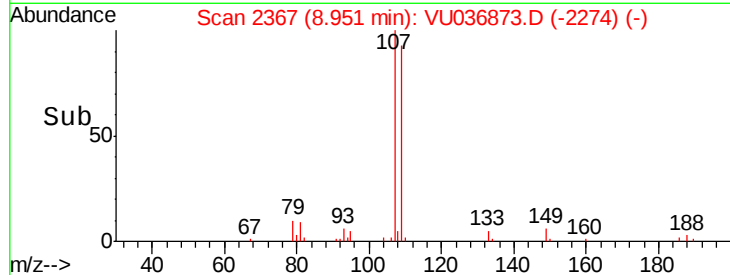
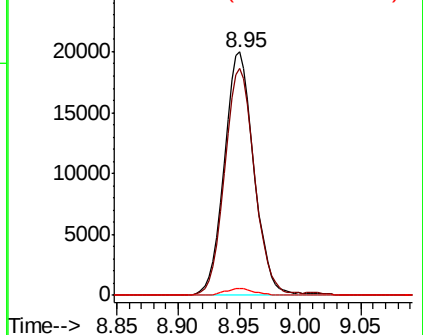
#50
 1,2-Dibromoethane
 Concen: 5.215 ug/L
 RT: 8.95 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	66.4	123.2
188	3.0	2.4	3.6

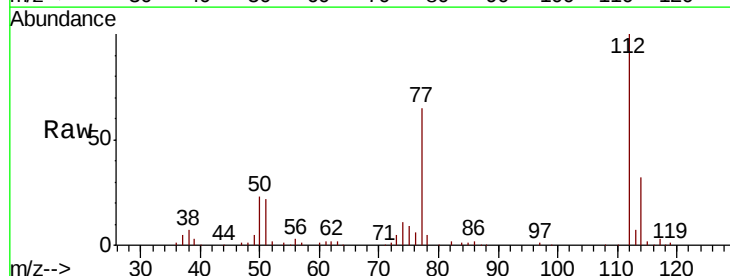


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

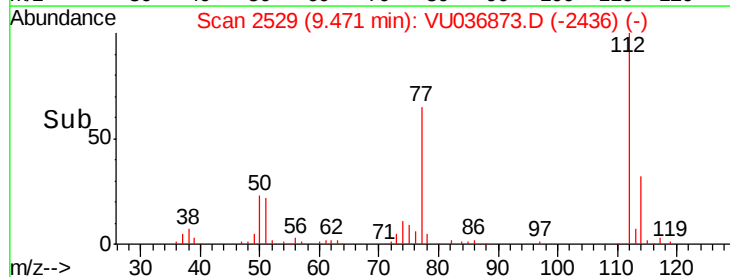
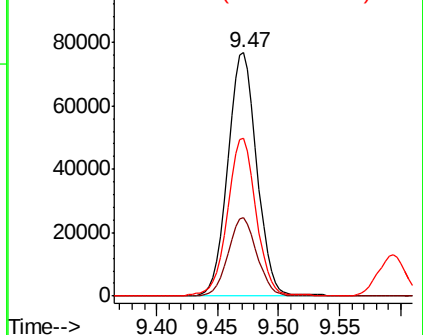


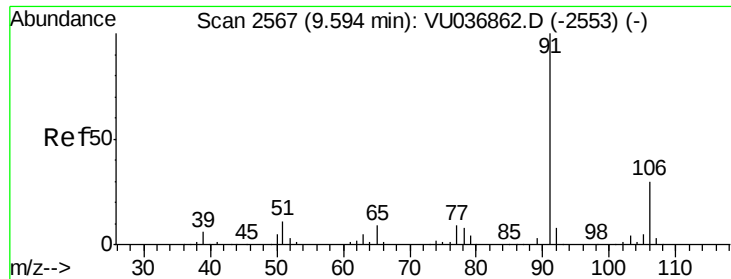
#51
 Chlorobenzene
 Concen: 5.052 ug/L
 RT: 9.47 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.9	42.5
77	64.8	51.0	76.4



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: 5.066 ug/L

RT: 9.59 min Scan# 2567

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

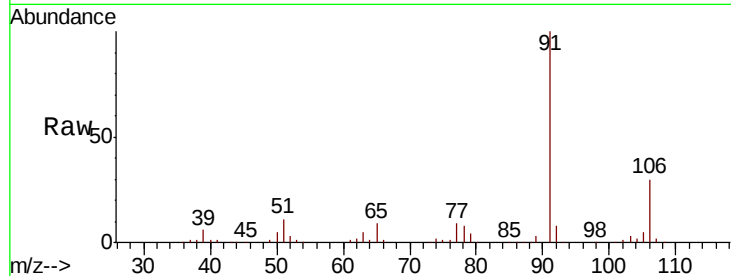
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 231536

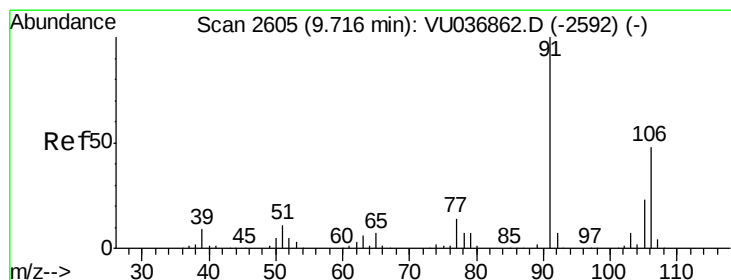
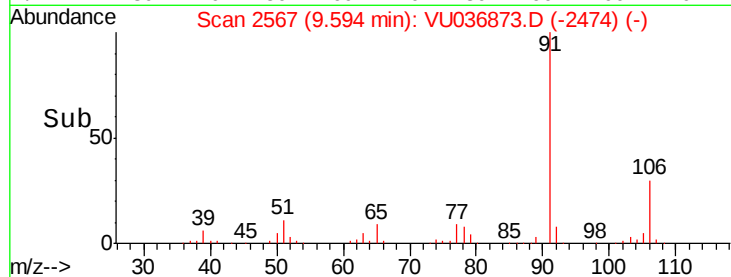
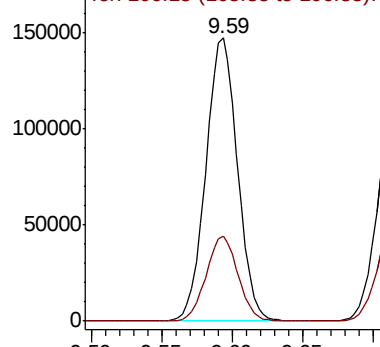
Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VU036873.D (-2474) (-)



#53

m,p-Xylene

Concen: 5.068 ug/L

RT: 9.72 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VU036873.D

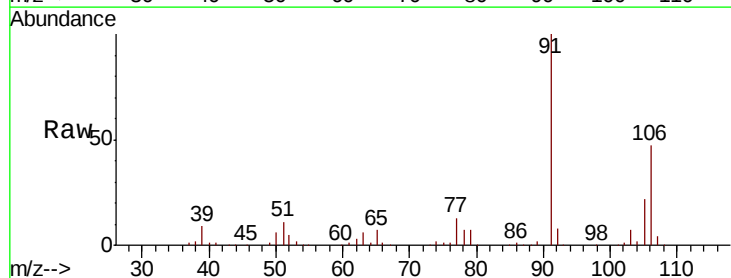
Acq: 21 Feb 2020 10:31

Tgt Ion: 106 Resp: 85250

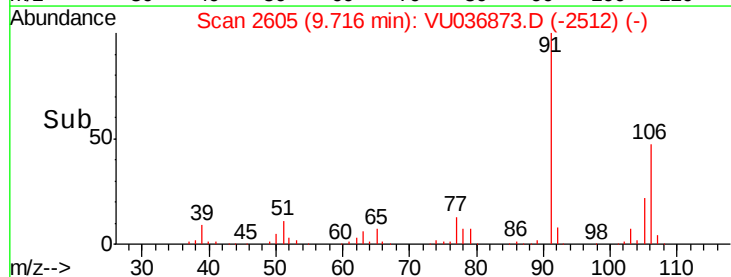
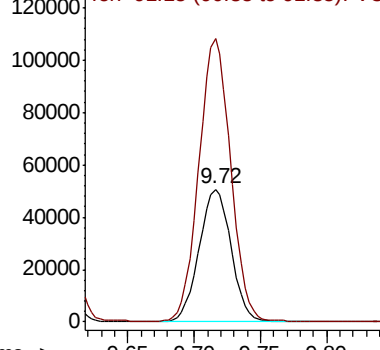
Ion Ratio Lower Upper

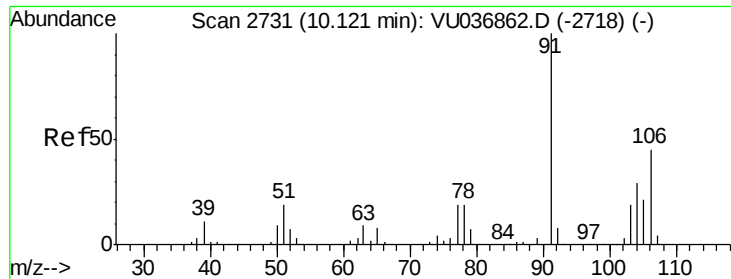
106 100

91 213.5 141.1 262.0



Abundance Ion 106.15 (105.85 to 106.85): VU036873.D (-2512) (-)

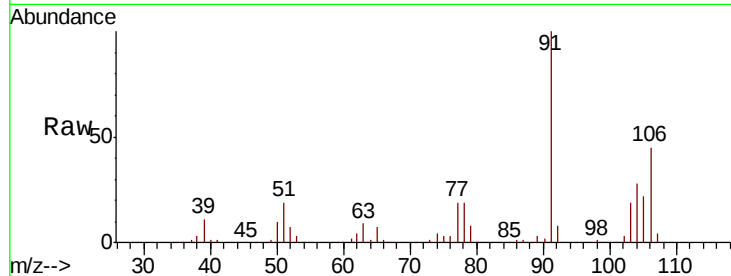




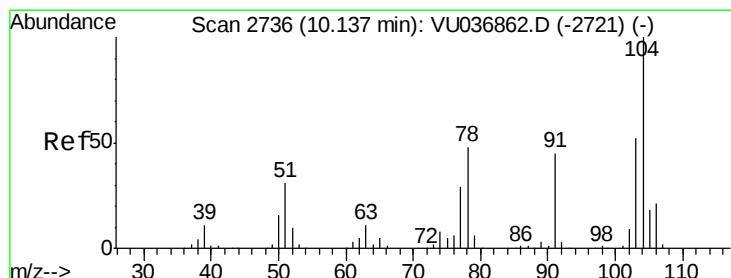
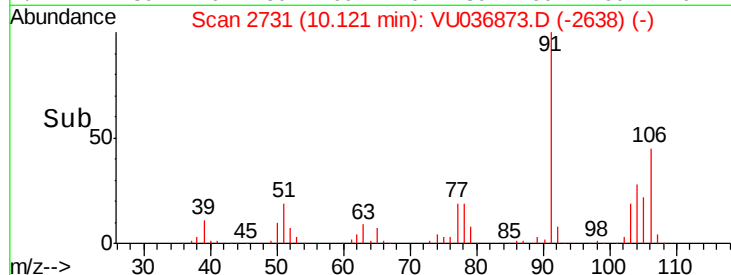
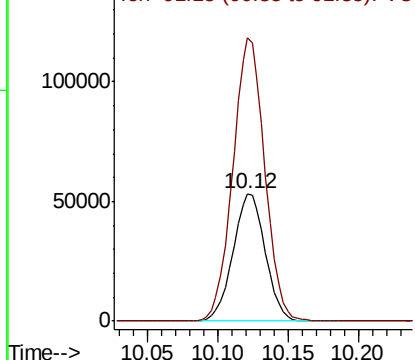
#54
o-Xylene
Concen: 5.147 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 85023
Ion Ratio Lower Upper
106 100
91 221.5 151.1 280.5

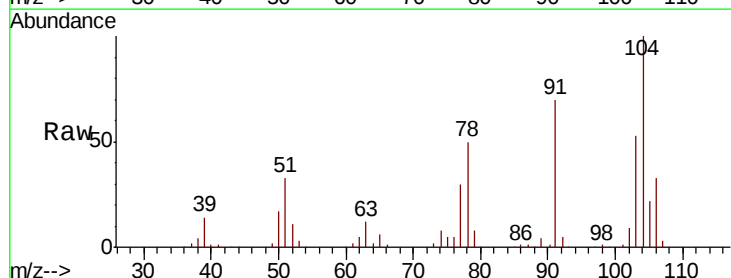


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

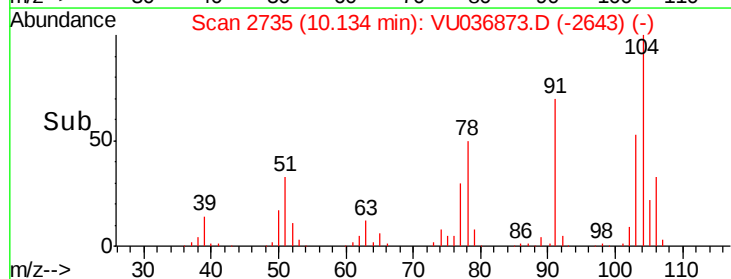
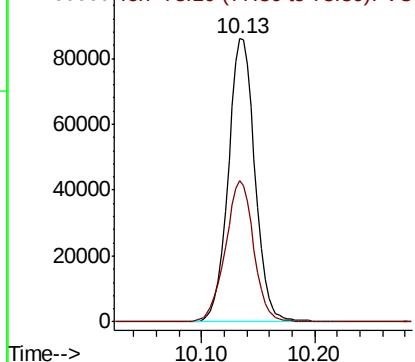


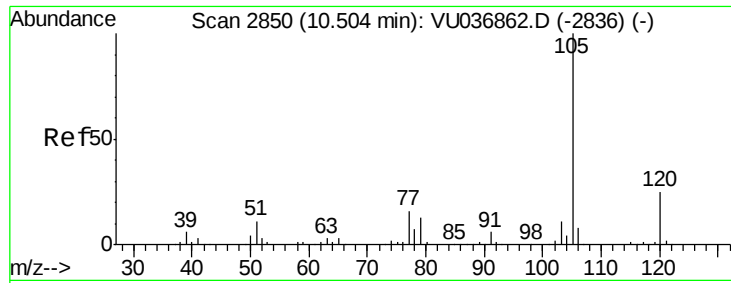
#55
Styrene
Concen: 5.067 ug/L
RT: 10.13 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VU036873.D
Acq: 21 Feb 2020 10:31

Tgt Ion:104 Resp: 141087
Ion Ratio Lower Upper
104 100
78 49.8 33.5 62.3



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





#56

Isopropylbenzene

Concen: 5.155 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

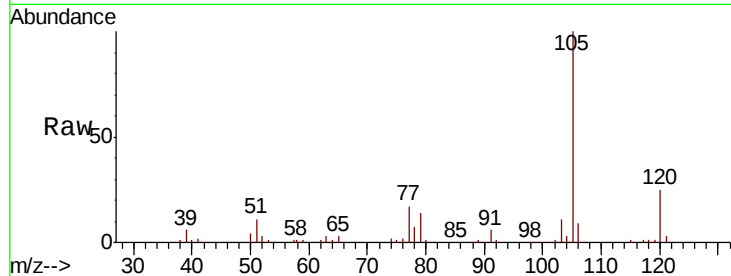
Tot Ion:105 Resp: 227847

Ion Ratio Lower Upper

105 100

120 25.1 20.5 30.7

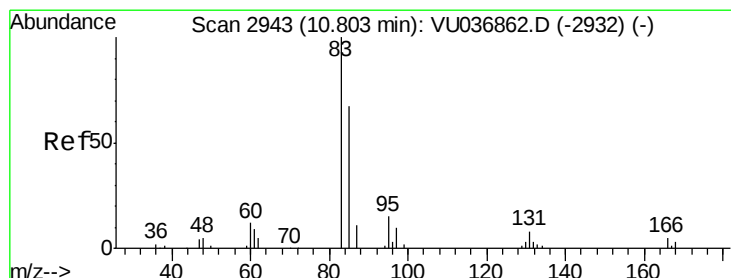
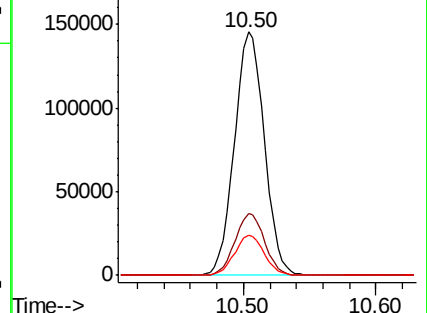
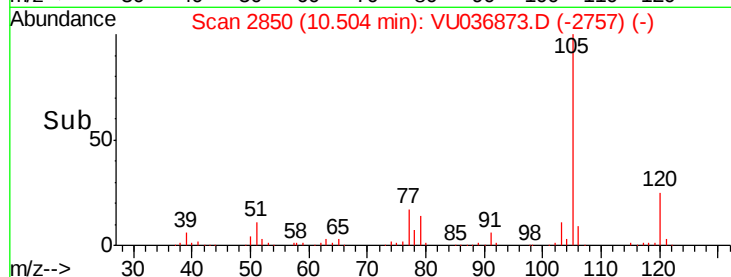
77 16.5 13.0 19.6



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: 5.252 ug/L

RT: 10.80 min Scan# 2943

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

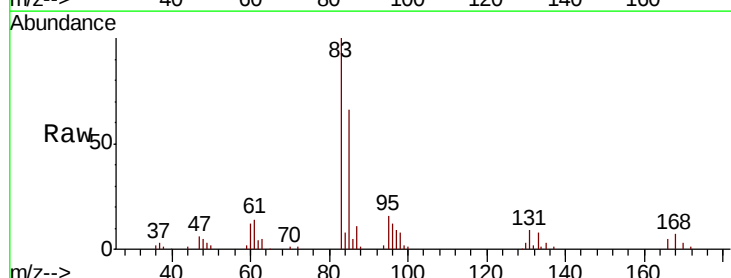
Tgt Ion: 83 Resp: 49759

Ion Ratio Lower Upper

83 100

85 65.8 45.6 84.6

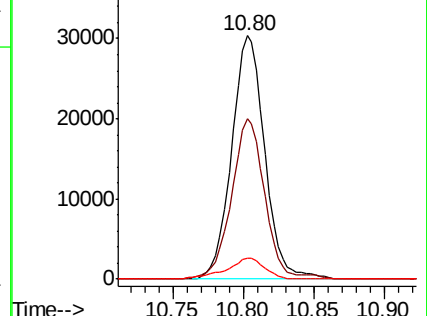
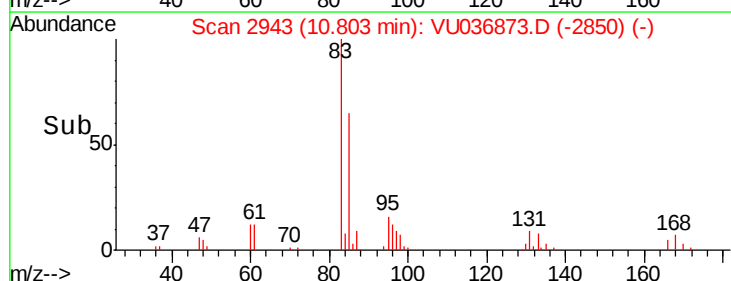
131 8.8 6.8 10.2

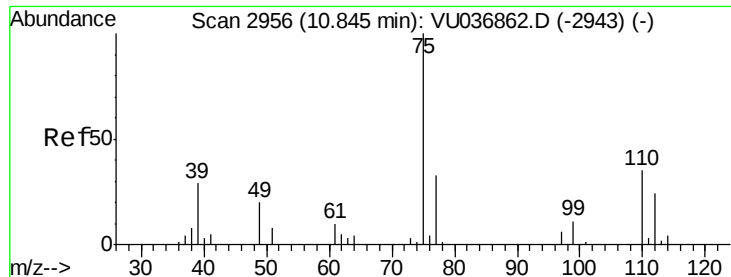


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.312 ug/L

RT: 10.84 min Scan# 2956

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

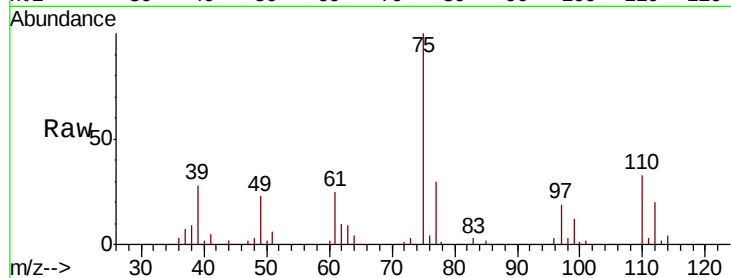
ClientSampleId :

Tot Ion: 75 Resp: 36488

Ion Ratio Lower Upper

75 100

77 30.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU036873.D (-2334) (-)

Ion 77.00 (76.70 to 77.70): VU036873.D (-2334) (-)

10.84

25000

20000

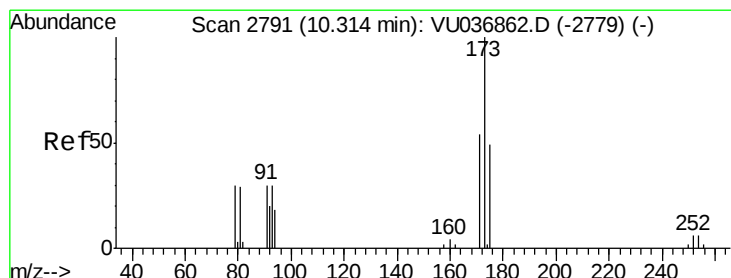
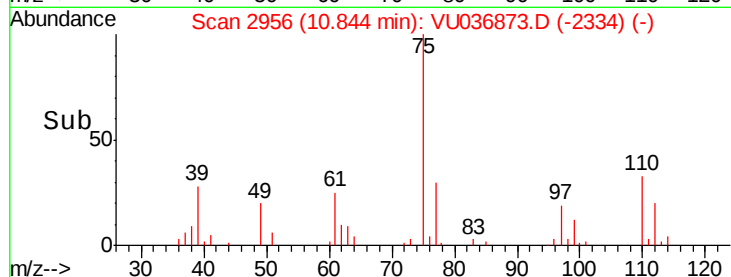
15000

10000

5000

0

Time-->



#61

Bromoform

Concen: 5.196 ug/L

RT: 10.31 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

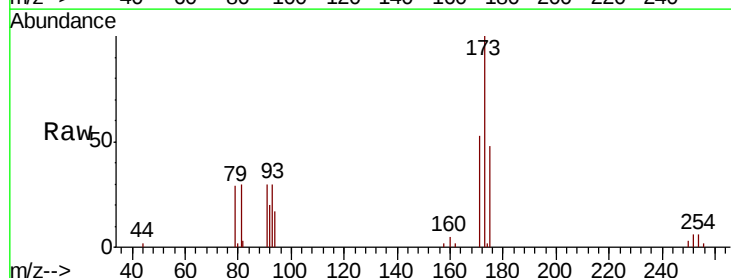
Tgt Ion: 173 Resp: 19683

Ion Ratio Lower Upper

173 100

175 48.1 39.9 59.9

254 5.3 4.6 6.8



Abundance Ion 172.90 (172.60 to 173.60): VU036873.D (-2698) (-)

Ion 174.90 (174.60 to 175.60): VU036873.D (-2698) (-)

Ion 253.75 (253.45 to 254.45): VU036873.D (-2698) (-)

10.31

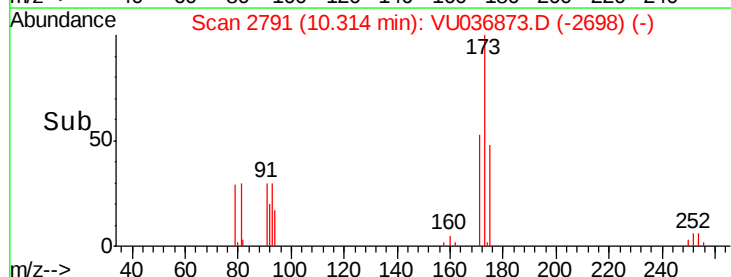
15000

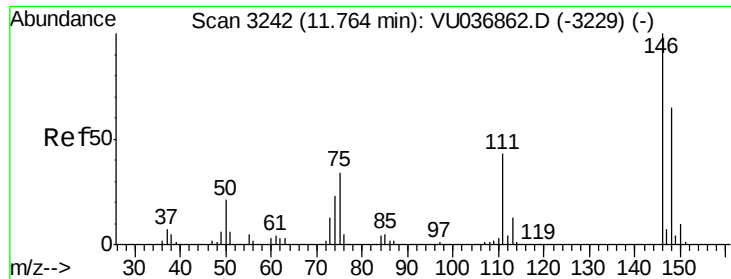
10000

5000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 4.949 ug/L

RT: 11.76 min Scan# 3242

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

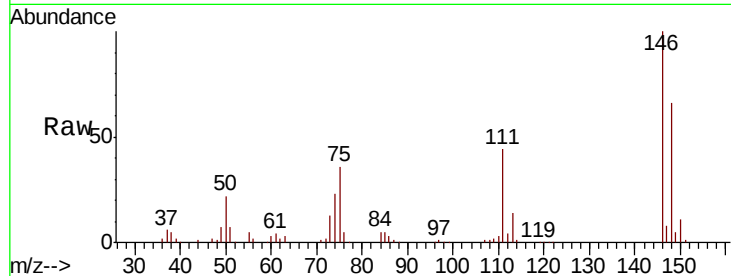
Tot Ion:146 Resp: 93740

Ion Ratio Lower Upper

146 100

111 43.9 30.0 55.8

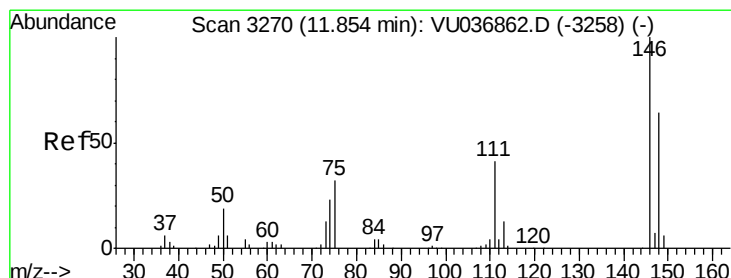
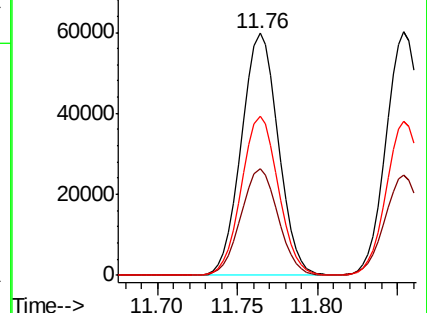
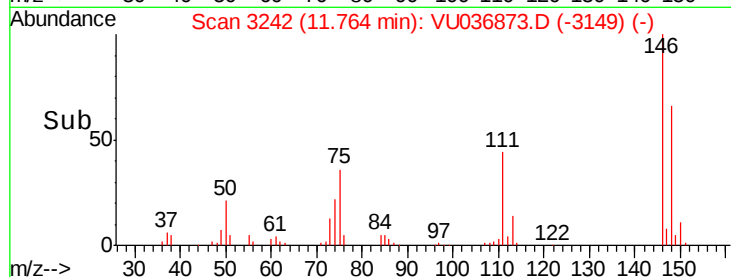
148 65.8 44.5 82.7



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: 5.051 ug/L

RT: 11.85 min Scan# 3270

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

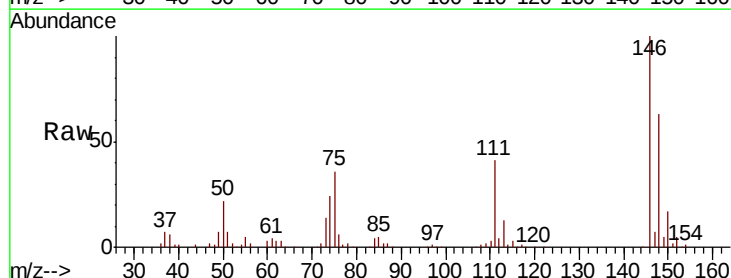
Tgt Ion:146 Resp: 94844

Ion Ratio Lower Upper

146 100

111 41.1 29.2 54.2

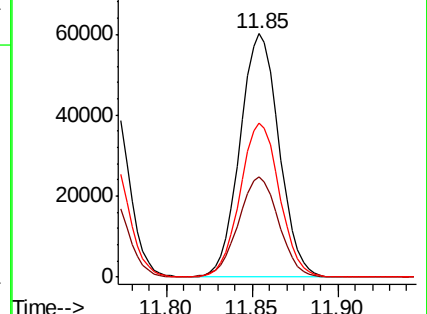
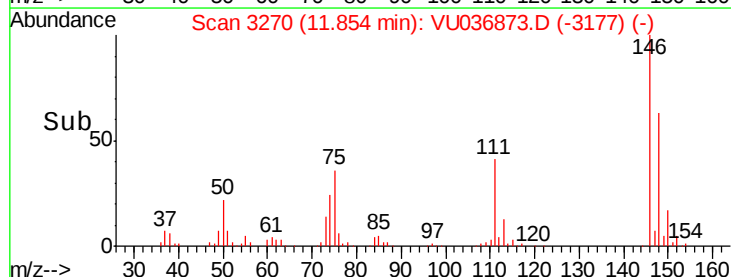
148 63.4 44.3 82.3

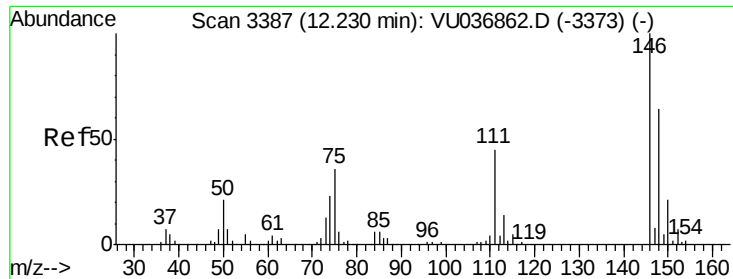


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.083 ug/L

RT: 12.23 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

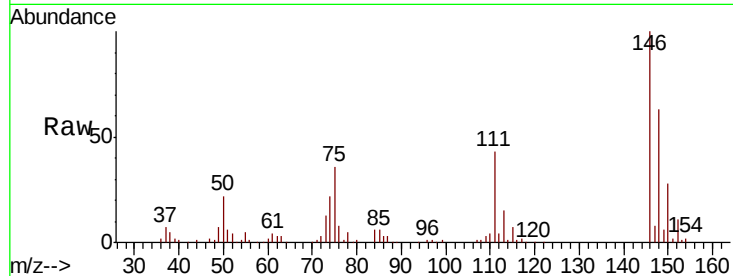
Tot Ion:146 Resp: 92821

Ion Ratio Lower Upper

146 100

111 43.2 35.9 53.9

148 62.6 50.4 75.6

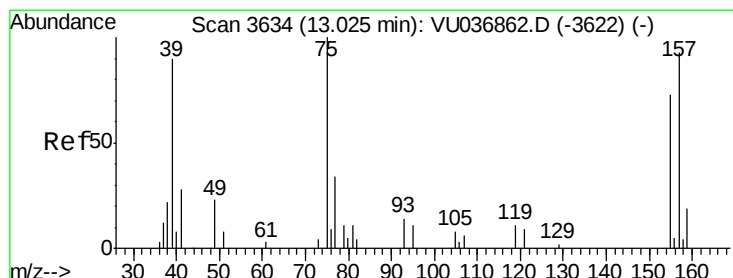
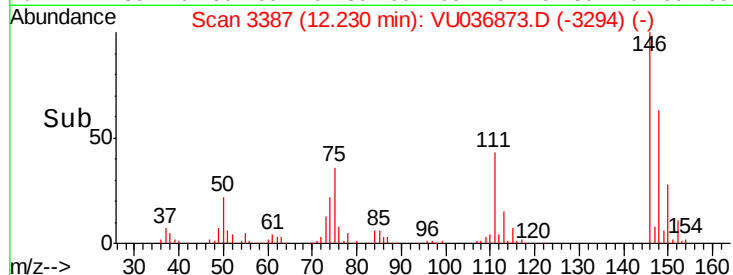
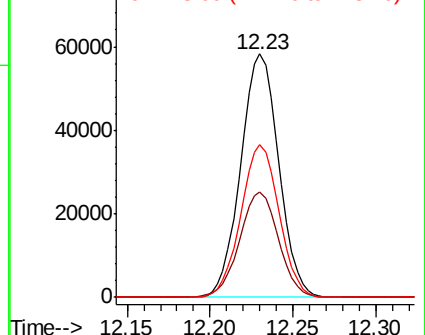


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.029 ug/L

RT: 13.02 min Scan# 3634

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

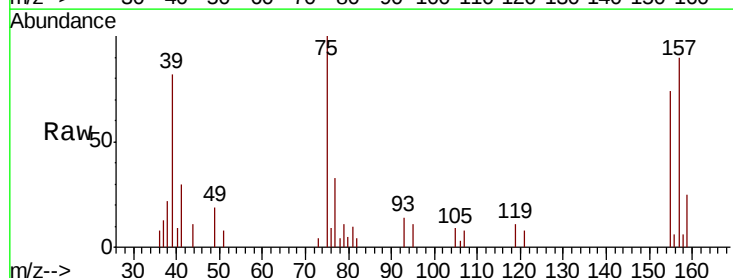
Tgt Ion: 75 Resp: 6853

Ion Ratio Lower Upper

75 100

155 73.9 52.9 79.3

157 89.6 69.2 103.8

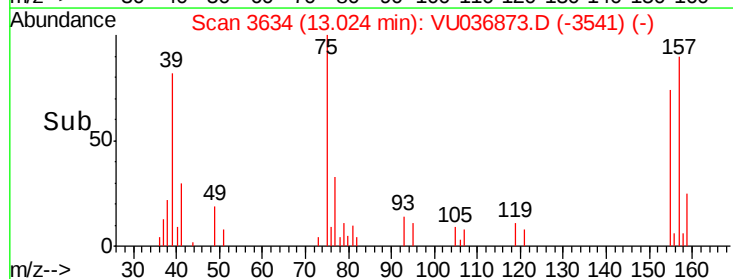
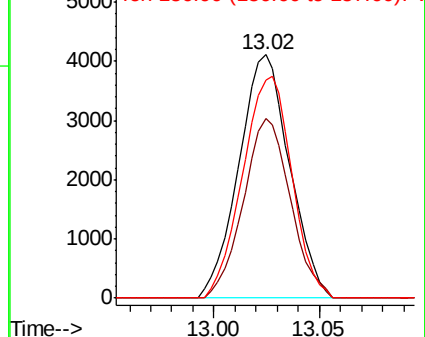


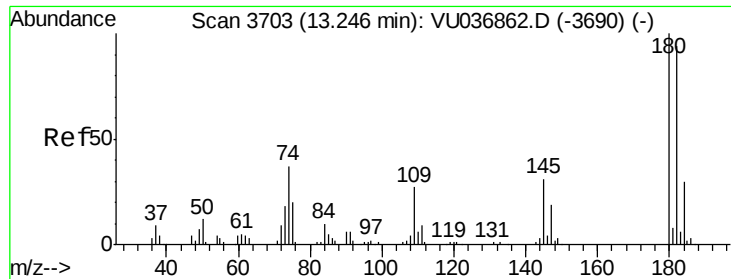
Abundance

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

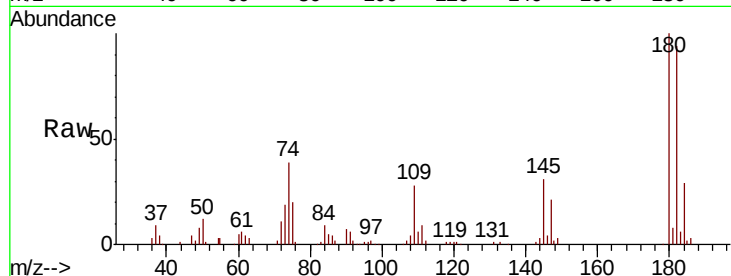




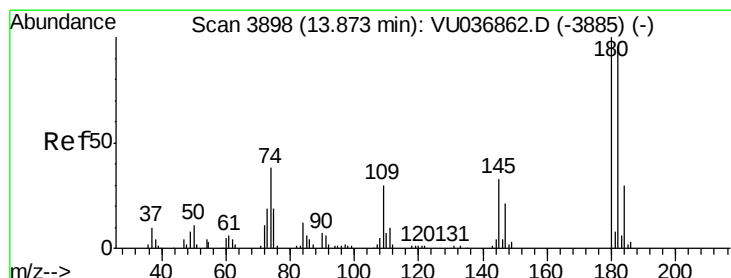
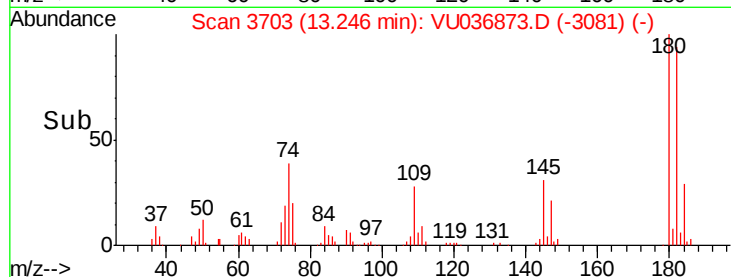
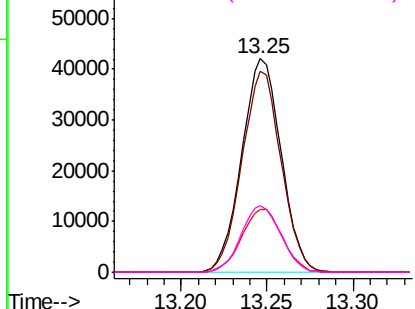
#67
 1,3,5-Trichlorobenzene
 Concen: 5.026 ug/L
 RT: 13.25 min Scan# 3703
 Delta R.T. -0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 67025
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.4 114.6
 184 30.2 24.6 37.0
 145 31.2 25.3 37.9

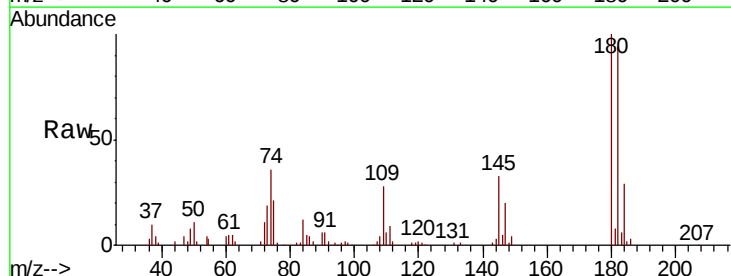


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

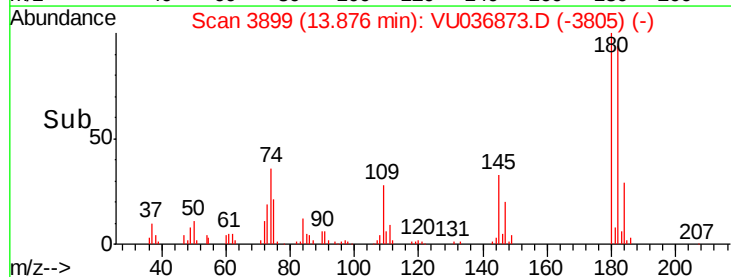
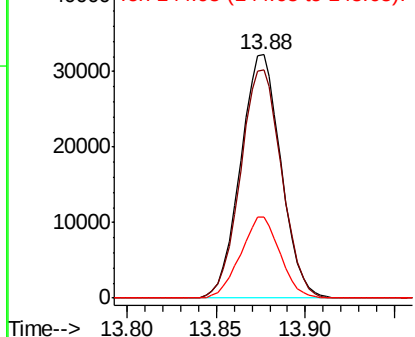


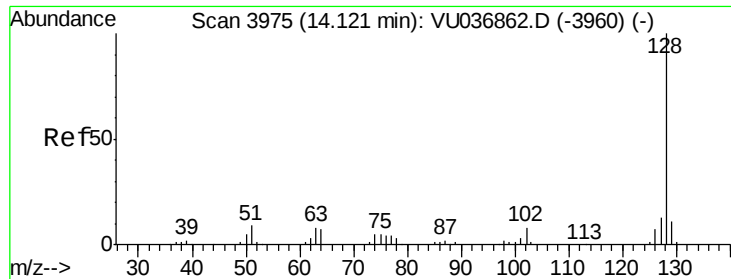
#68
 1,2,4-trichlorobenzene
 Concen: 5.074 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU036873.D
 Acq: 21 Feb 2020 10:31

Tgt Ion:180 Resp: 51026
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.0 115.6
 145 32.6 26.5 39.7



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.965 ug/L

RT: 14.12 min Scan# 3976

Delta R.T. 0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

Instrument :

MSVOA_U

ClientSampleId :

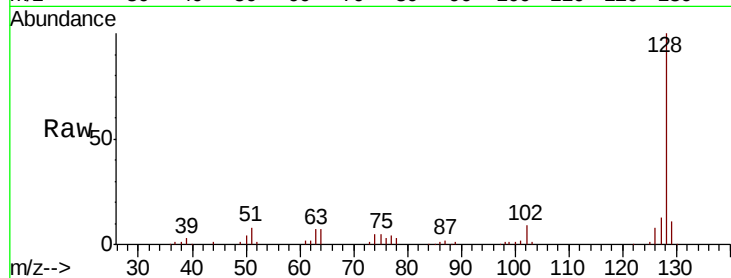
Tot Ion:128 Resp: 108683

Ion Ratio Lower Upper

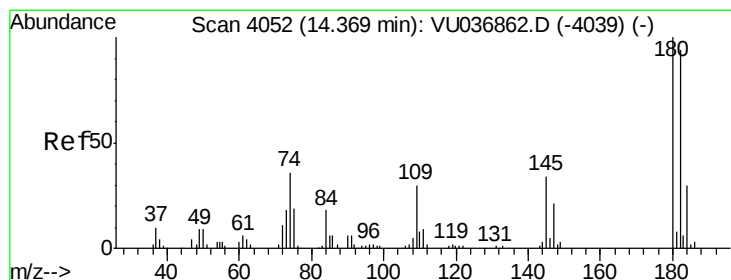
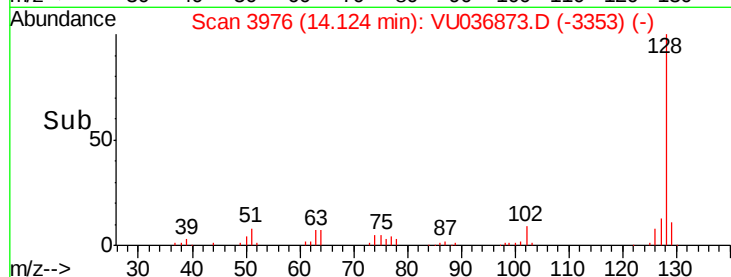
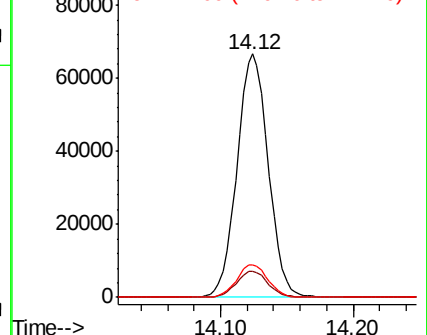
128 100

129 10.9 9.0 13.4

127 13.4 10.8 16.2



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: 5.344 ug/L

RT: 14.37 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VU036873.D

Acq: 21 Feb 2020 10:31

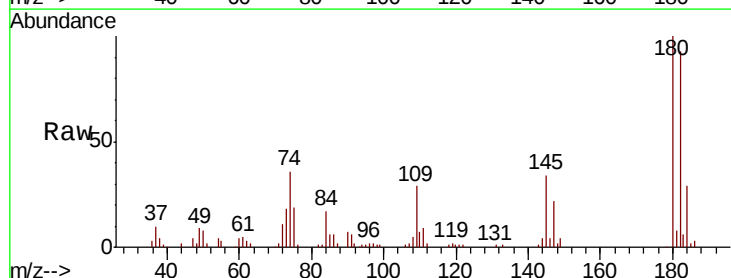
Tgt Ion:180 Resp: 48232

Ion Ratio Lower Upper

180 100

182 94.6 78.2 117.4

145 33.8 27.0 40.6



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

