

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038836.D
 Acq On : 11 Jun 2020 20:24
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Jun 12 01:06:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 01:02:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	276755	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	268310	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	140678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90711	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.93	69	77805	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.59	63	179259	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	4.67	46	363308	66.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.54%#
24) Chloroform-d	5.10	84	206771	6.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.00%
26) 1,2-Dichloroethane-d4	5.74	65	117981	6.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.60%
32) Benzene-d6	5.76	84	389292	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	6.72	67	121075	5.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.60%
41) Toluene-d8	7.92	98	338917	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
43) trans-1,3-Dichloropropene-	8.20	79	52419	5.92	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	118.40%
46) 2-Hexanone-d5	8.65	63	295771	67.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.22%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108593	6.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	124.20%#
64) 1,2-Dichlorobenzene-d4	12.20	152	137369	5.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	92029	4.219	ug/L	99
3) Chloromethane	1.53	50	82270	4.107	ug/L	98
5) Vinyl chloride	1.62	62	93323	4.348	ug/L	99
6) Bromomethane	1.87	94	56186	5.392	ug/L	99
8) Chloroethane	1.95	64	58298	4.533	ug/L	96
9) Trichlorofluoromethane	2.16	101	141475	4.969	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	82550	4.923	ug/L	99
12) 1,1-Dichloroethene	2.61	96	80159	4.703	ug/L	94
13) Acetone	2.67	43	187321	52.604	ug/L	99
14) Carbon disulfide	2.82	76	221461	3.829	ug/L	100
15) Methyl Acetate	2.99	43	44747	5.129	ug/L	94
16) Methylene chloride	3.08	84	99083	5.137	ug/L	95
17) Methyl tert-butyl Ether	3.40	73	240459	5.381	ug/L	98
18) trans-1,2-Dichloroethene	3.39	96	87315	4.754	ug/L	98
19) 1,1-Dichloroethane	3.91	63	177724	5.407	ug/L	99
21) 2-Butanone	4.75	43	309936	51.747	ug/L	93
22) cis-1,2-Dichloroethene	4.71	96	100059	5.059	ug/L	95

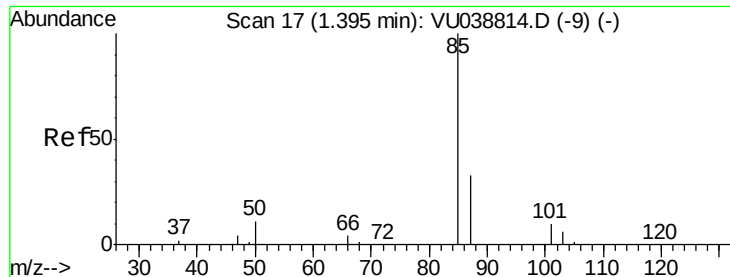
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061220\
 Data File : VU038836.D
 Acq On : 11 Jun 2020 20:24
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 12 01:02:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	46024	5.171	ug/L	98
25) Chloroform	5.12	83	183369	5.491	ug/L	98
27) 1,2-Dichloroethane	5.83	62	127265	5.414	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	156286	5.505	ug/L	99
30) Cyclohexane	5.42	56	120072	4.033	ug/L	98
31) Carbon tetrachloride	5.56	117	123808	5.238	ug/L	96
33) Benzene	5.81	78	378656	5.061	ug/L	100
34) Trichloroethene	6.57	95	96167	4.952	ug/L	97
35) Methylcyclohexane	6.79	83	121398	4.038	ug/L	99
37) 1,2-Dichloropropane	6.82	63	100769	5.352	ug/L	100
38) Bromodichloromethane	7.13	83	131001	5.603	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	143872	5.171	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	697806	51.825	ug/L	100
42) Toluene	7.99	91	402887	5.134	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	132991	5.412	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	78228	5.507	ug/L	95
47) Tetrachloroethene	8.57	164	68941	4.886	ug/L	97
48) 2-Hexanone	8.71	43	543859	53.336	ug/L	99
49) Dibromochloromethane	8.83	129	88447	5.769	ug/L	98
50) 1,2-Dibromoethane	8.94	107	70574	5.189	ug/L	97
51) Chlorobenzene	9.47	112	261334	5.164	ug/L	97
52) Ethylbenzene	9.59	91	429649	4.921	ug/L	99
53) m,p-Xylene	9.71	106	166755	4.966	ug/L	94
54) o-Xylene	10.12	106	163457	5.071	ug/L	96
55) Styrene	10.13	104	293709	5.368	ug/L	97
56) Isopropylbenzene	10.50	105	428467	5.050	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	96683	5.356	ug/L	96
59) 1,2,3-Trichloropropane	10.84	75	74343	5.290	ug/L	98
61) Bromoform	10.31	173	48726	5.560	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	212812	5.149	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	216440	5.164	ug/L	100
65) 1,2-Dichlorobenzene	12.22	146	208122	5.303	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.01	75	17969	5.655	ug/L	94
67) 1,3,5-Trichlorobenzene	13.24	180	158191	5.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	145973	5.114	ug/L	99
69) Naphthalene	14.11	128	279005	4.912	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	137096	5.279	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 4.219 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

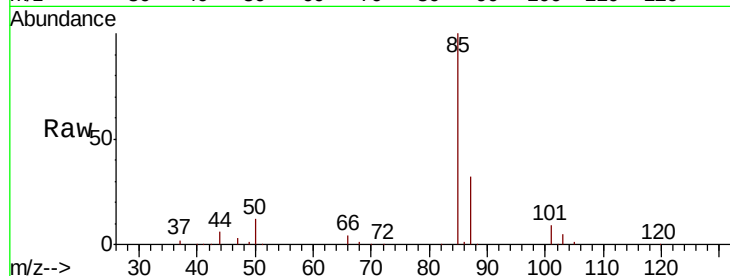
VSTD00520

Tot Ion: 85 Resp: 92029

Ion Ratio Lower Upper

85 100

87 32.0 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU038814.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038814.D (-9) (-)

1.39

100000

80000

60000

40000

20000

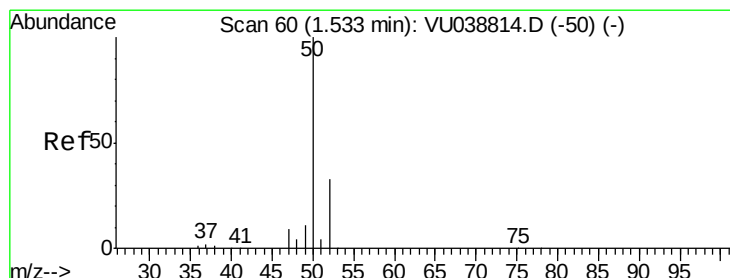
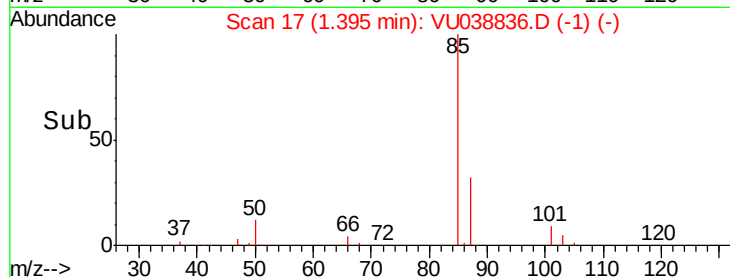
0

1.35

1.40

1.45

Time-->



#3

Chloromethane

Concen: 4.107 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038836.D

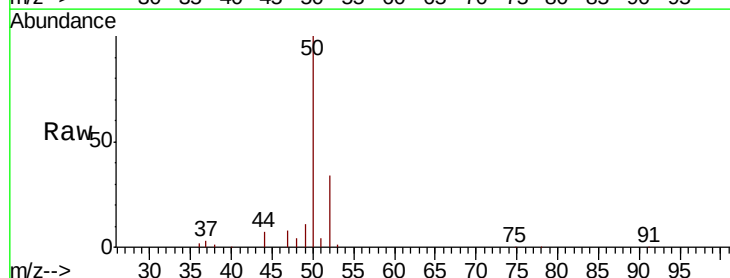
Acq: 11 Jun 2020 20:24

Tgt Ion: 50 Resp: 82270

Ion Ratio Lower Upper

50 100

52 33.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU038814.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU038814.D (-50) (-)

1.53

80000

60000

40000

20000

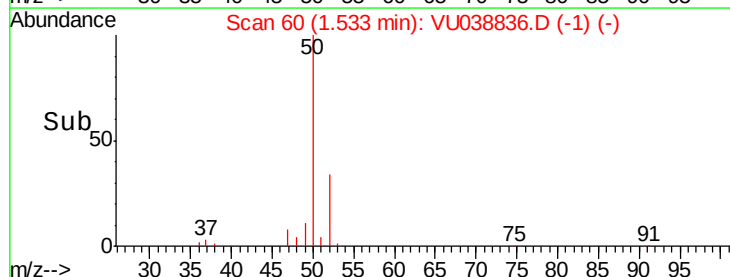
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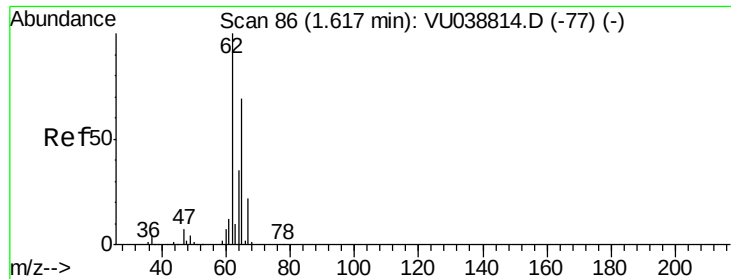
1.50

1.55

1.60

Time-->





#5

Vinyl chloride

Concen: 4.348 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

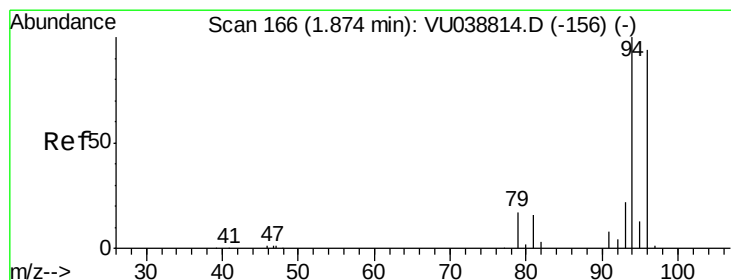
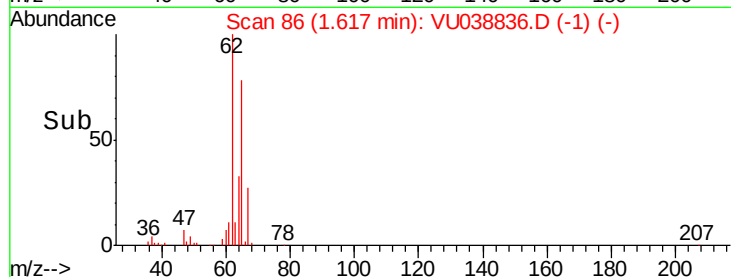
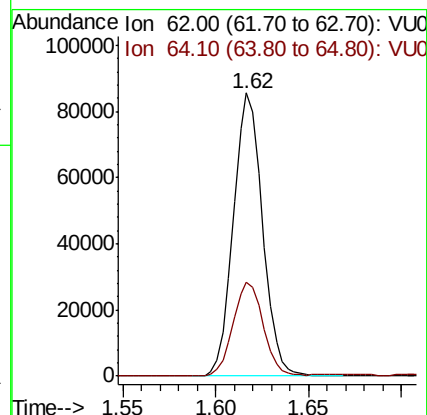
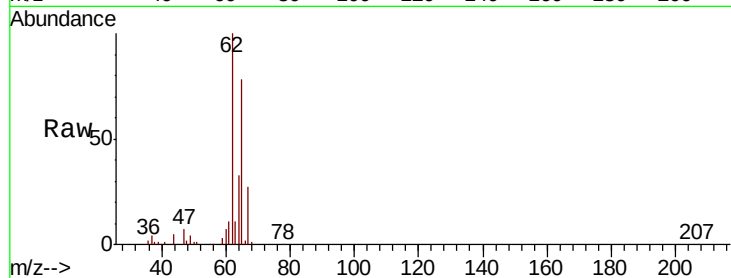
VSTD00520

Tot Ion: 62 Resp: 93323

Ion Ratio Lower Upper

62 100

64 33.0 23.7 43.9



#6

Bromomethane

Concen: 5.392 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU038836.D

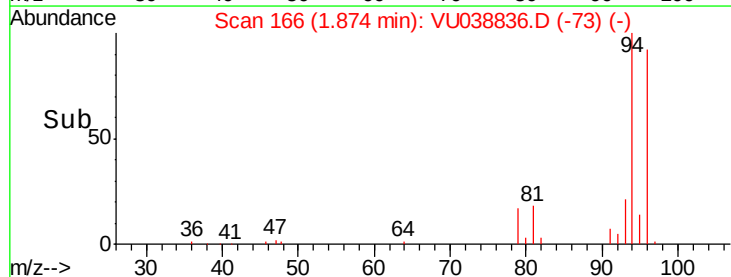
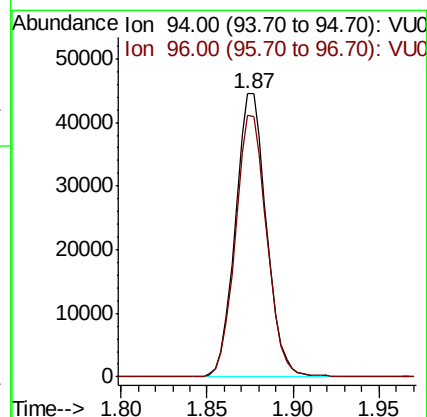
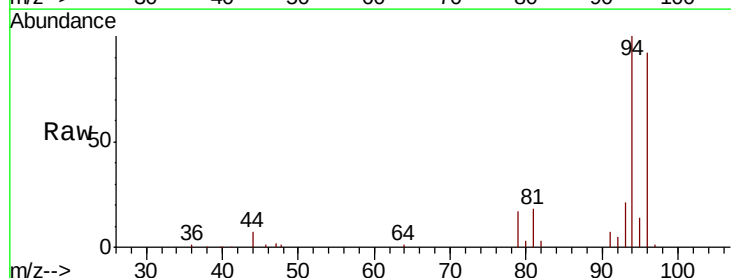
Acq: 11 Jun 2020 20:24

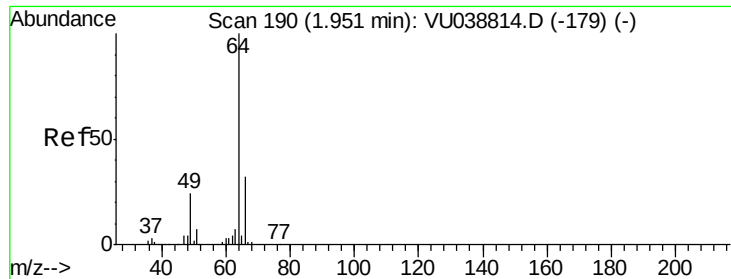
Tgt Ion: 94 Resp: 56186

Ion Ratio Lower Upper

94 100

96 92.2 65.5 121.6

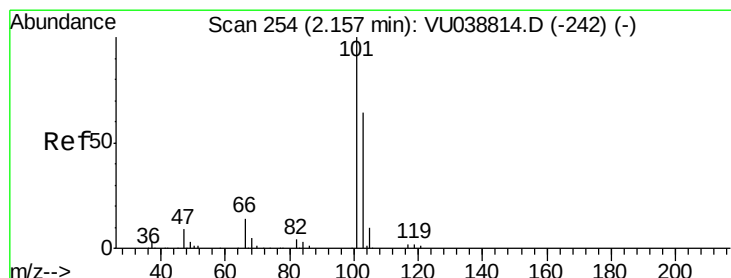
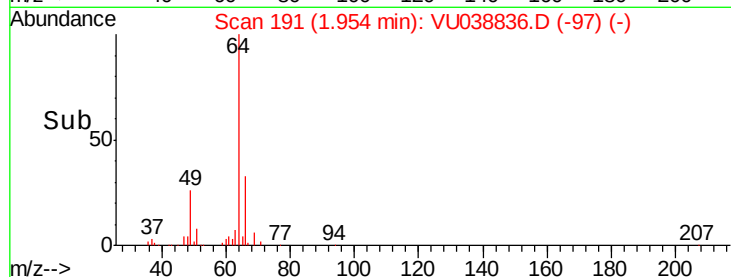
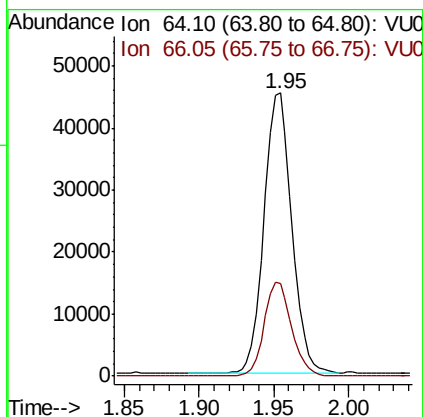
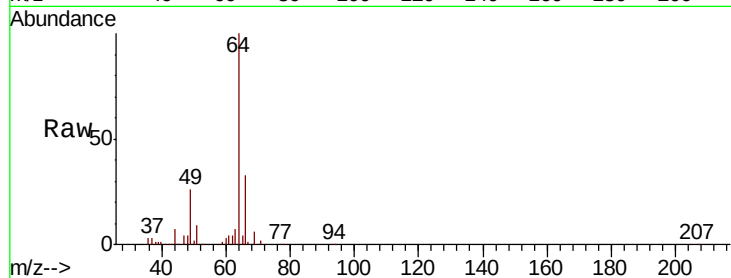




#8
 Chloroethane
 Concen: 4.533 ug/L
 RT: 1.95 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

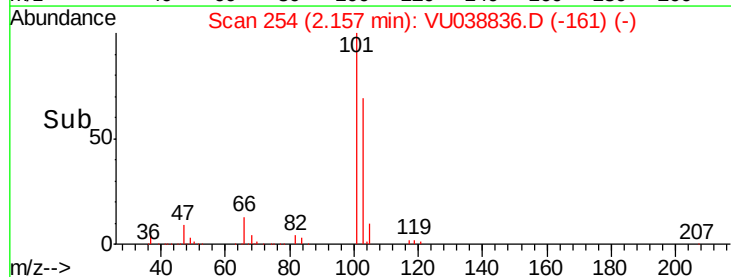
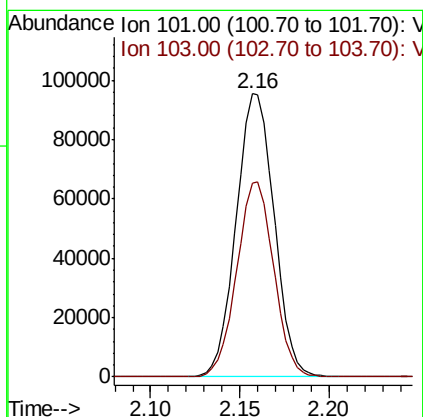
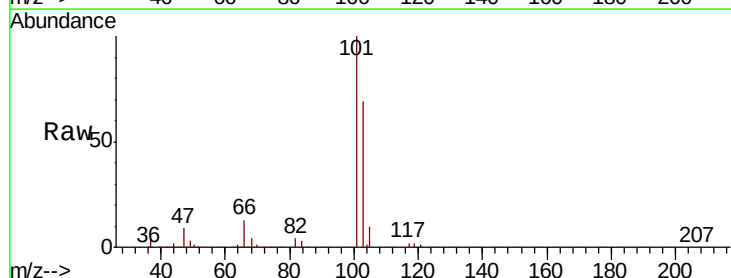
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

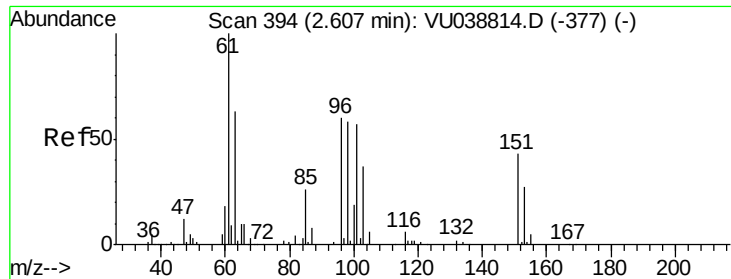
Tot Ion: 64 Resp: 58298
 Ion Ratio Lower Upper
 64 100
 66 32.8 21.5 39.9



#9
 Trichlorofluoromethane
 Concen: 4.969 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 101 Resp: 141475
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.1 76.7





#10

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

Concen: 4.923 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

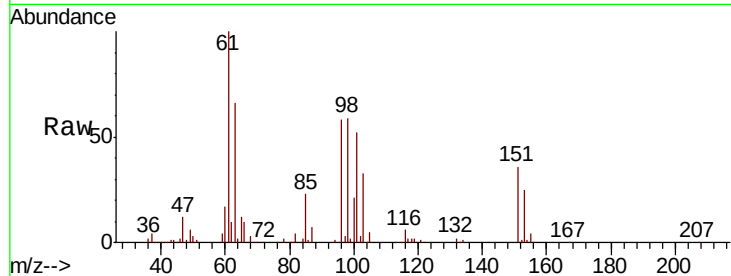
Tot Ion:101 Resp: 82550

Ion Ratio Lower Upper

101 100

85 44.3 34.0 51.0

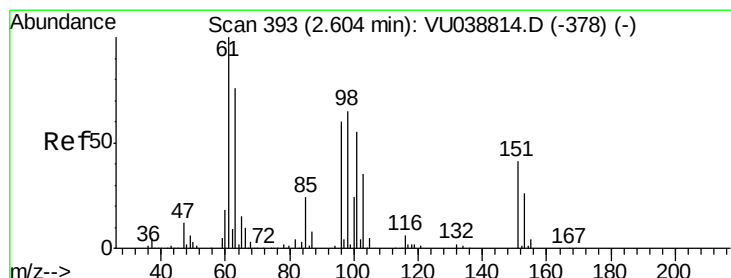
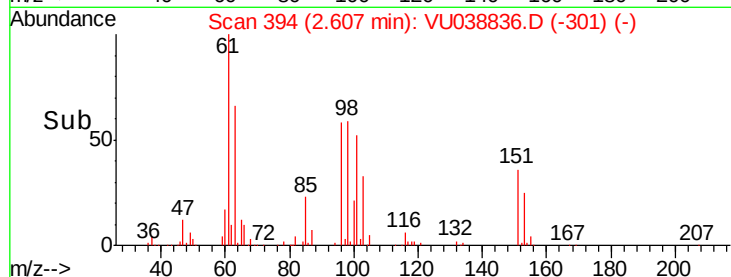
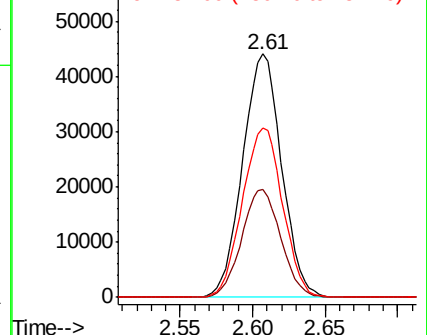
151 71.6 56.9 85.3



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: 4.703 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

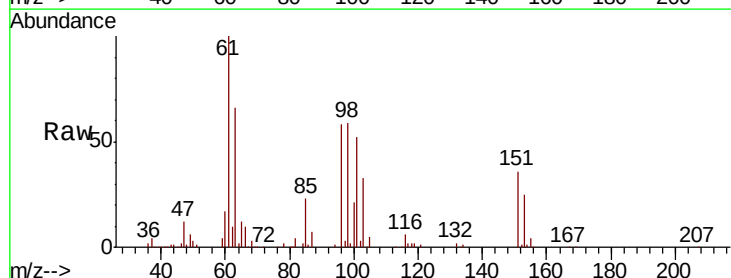
Tgt Ion: 96 Resp: 80159

Ion Ratio Lower Upper

96 100

61 172.8 119.9 222.7

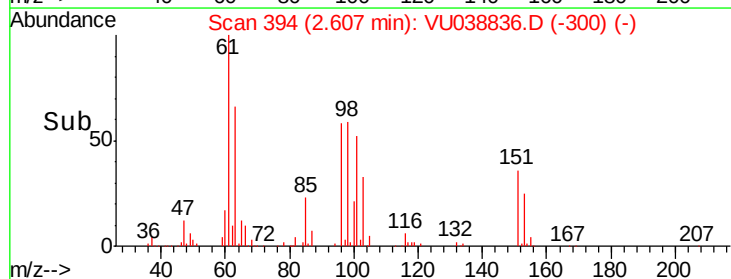
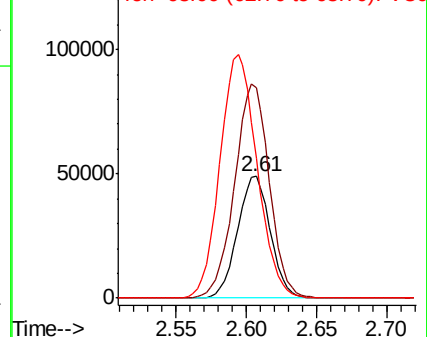
63 114.9 89.9 167.0

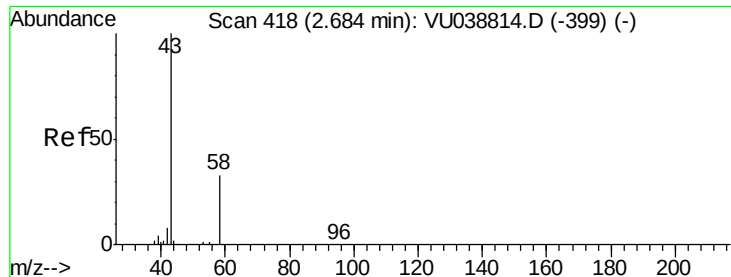


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 52.604 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

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MSVOA_U

ClientSampleId :

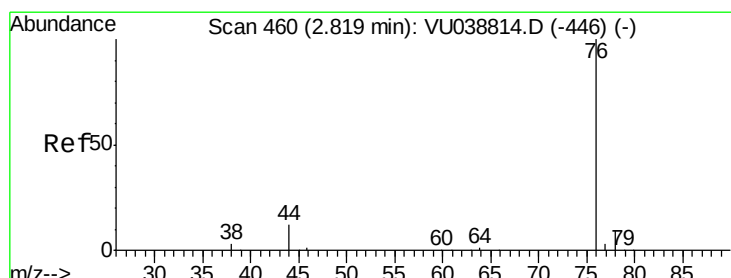
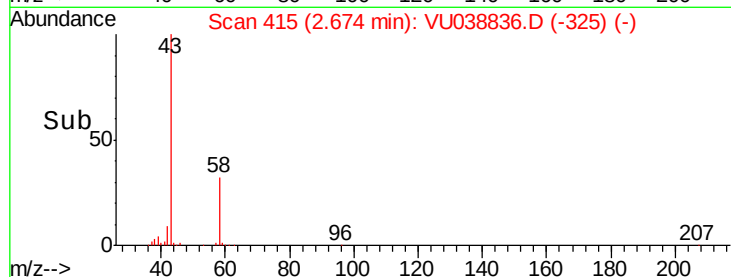
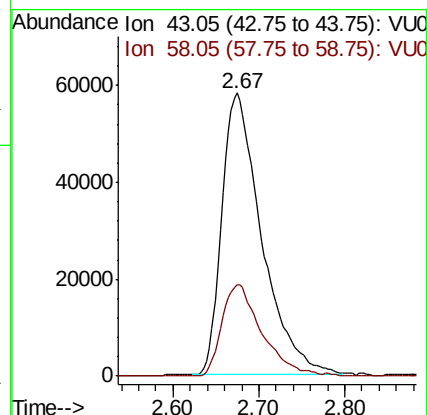
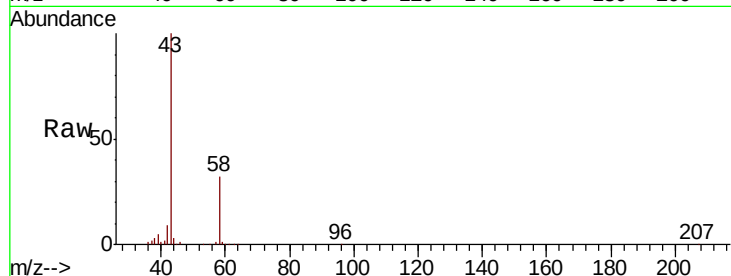
VSTD00520

Tot Ion: 43 Resp: 187321

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.6



#14

Carbon disulfide

Concen: 3.829 ug/L

RT: 2.82 min Scan# 460

Delta R.T. 0.00 min

Lab File: VU038836.D

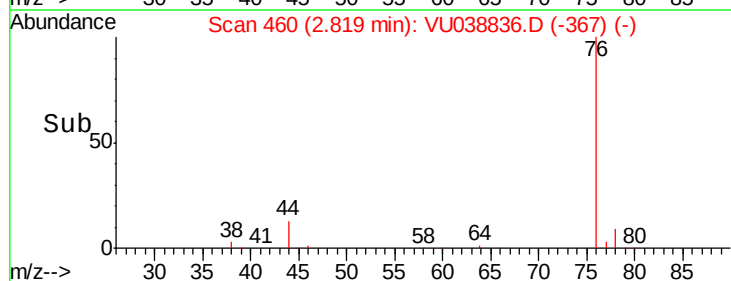
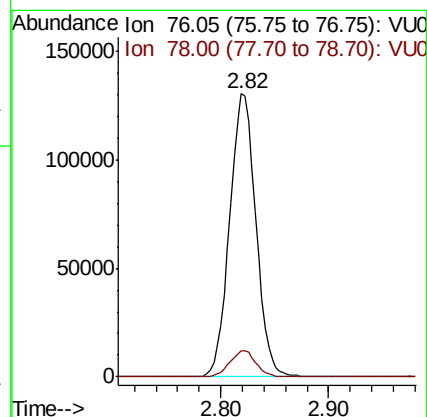
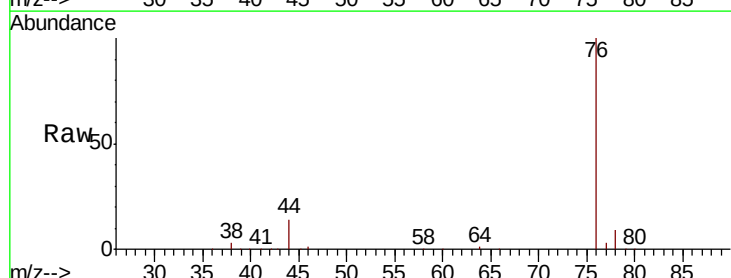
Acq: 11 Jun 2020 20:24

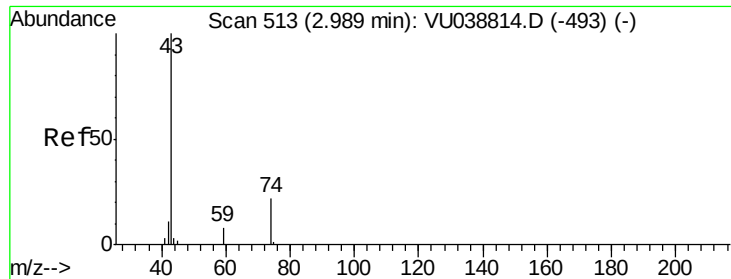
Tgt Ion: 76 Resp: 221461

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

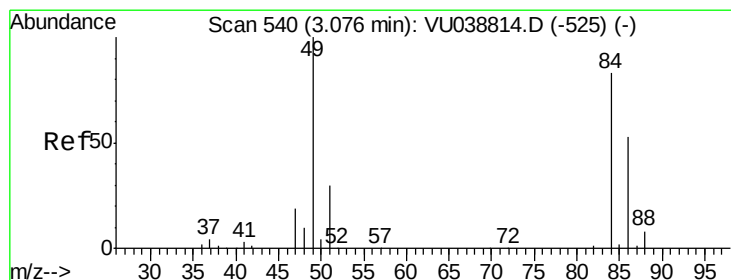
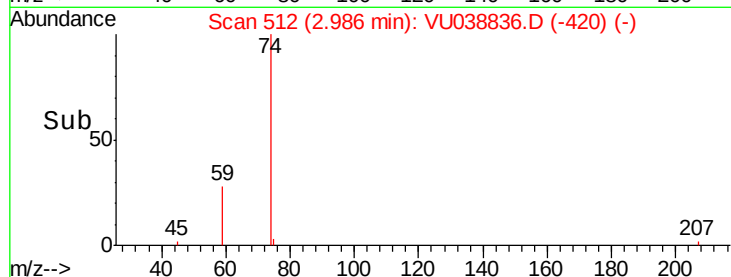
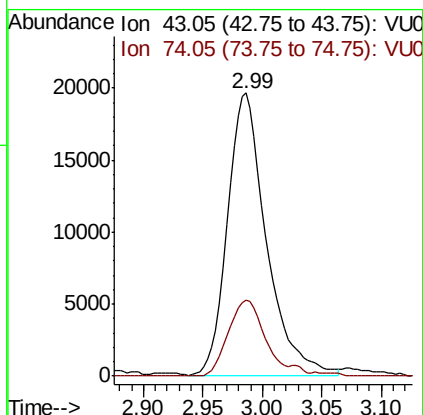
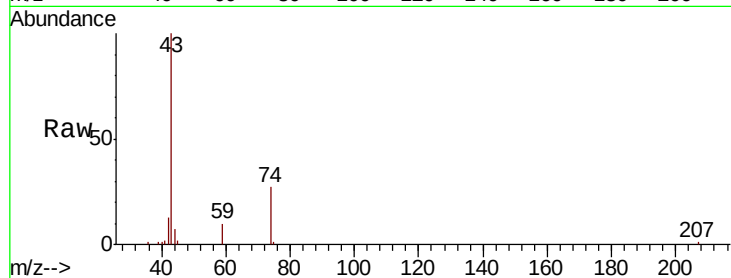




#15
Methvl Acetate
Concen: 5.129 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

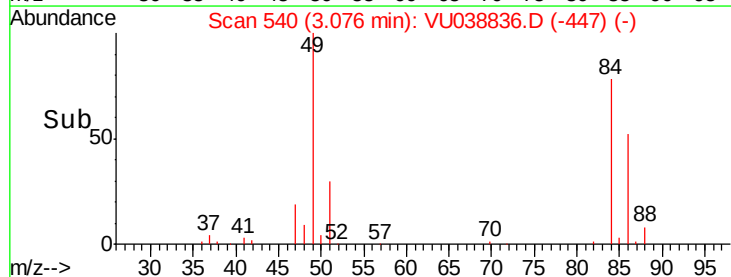
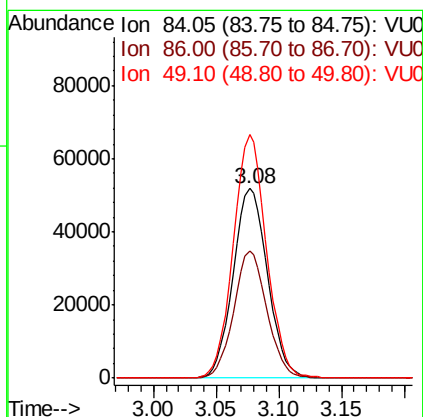
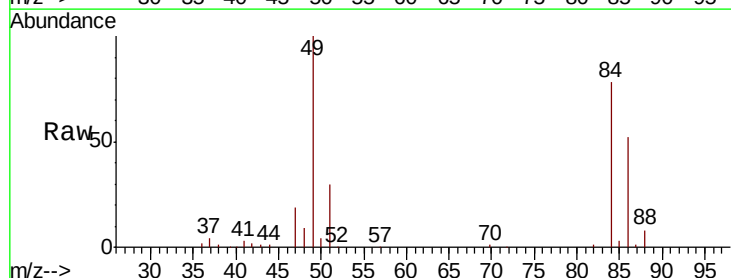
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

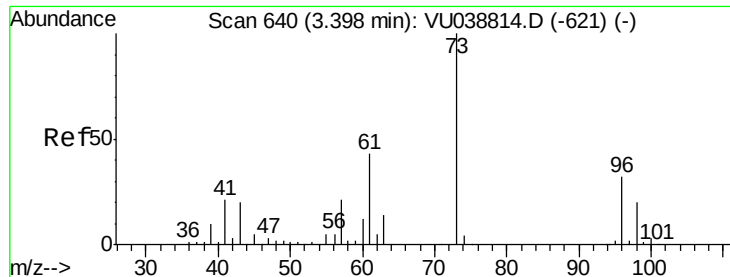
Tot Ion: 43 Resp: 44747
Ion Ratio Lower Upper
43 100
74 26.7 19.2 28.8



#16
Methylene chloride
Concen: 5.137 ug/L
RT: 3.08 min Scan# 540
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Tgt Ion: 84 Resp: 99083
Ion Ratio Lower Upper
84 100
86 66.9 45.0 83.6
49 128.3 85.5 158.9

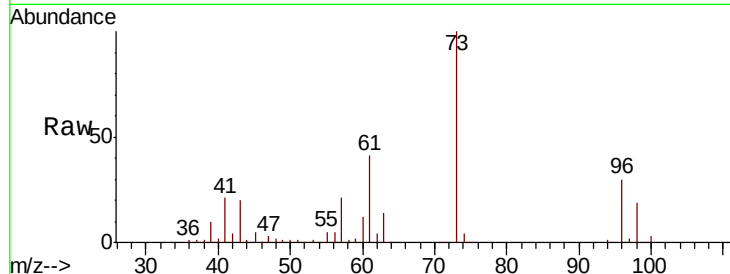




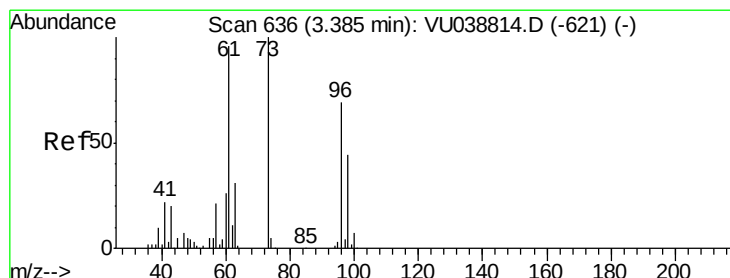
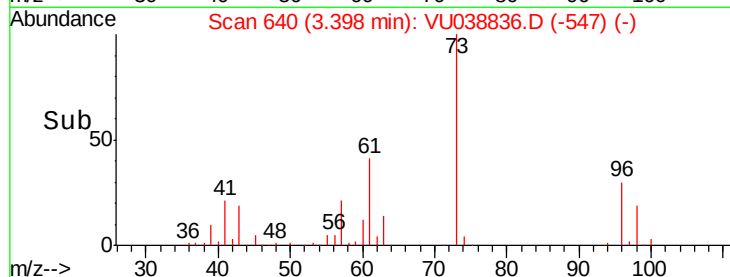
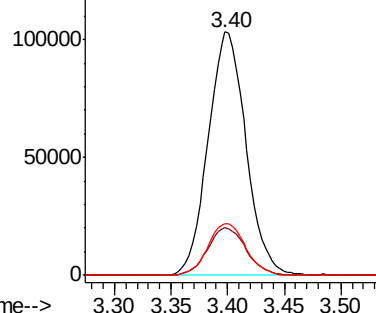
#17
Methyl tert-butyl Ether
Concen: 5.381 ug/L
RT: 3.40 min Scan# 640
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion: 73 Resp: 240459
Ion Ratio Lower Upper
73 100
43 20.1 15.5 23.3
57 21.4 17.8 26.6

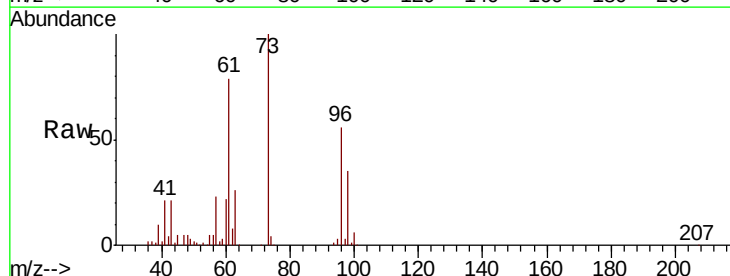


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

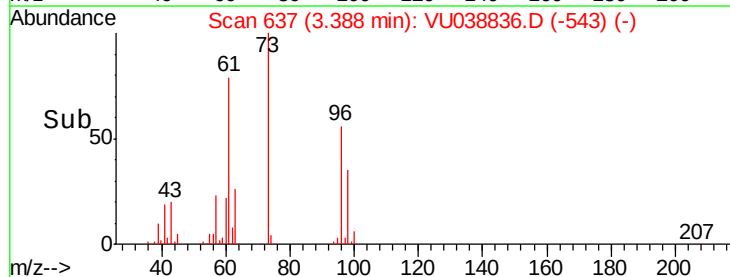
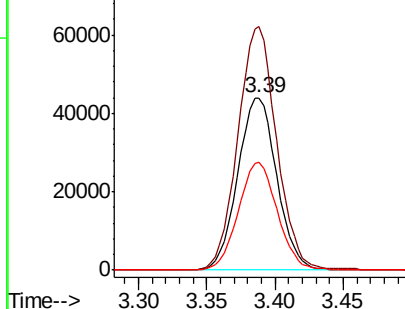


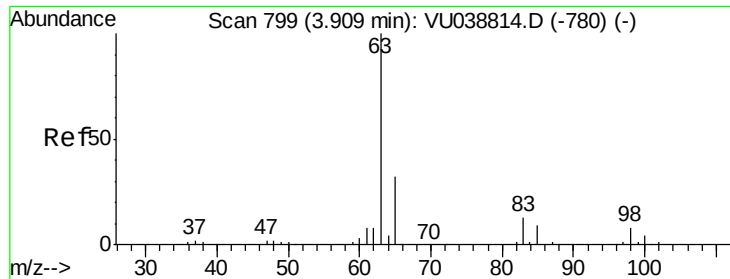
#18
trans-1,2-Dichloroethene
Concen: 4.754 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Tgt Ion: 96 Resp: 87315
Ion Ratio Lower Upper
96 100
61 141.2 100.2 186.0
98 62.3 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

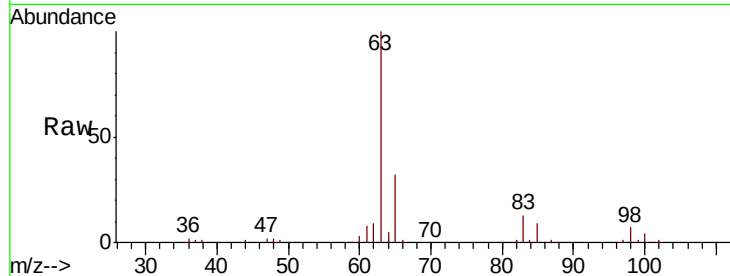




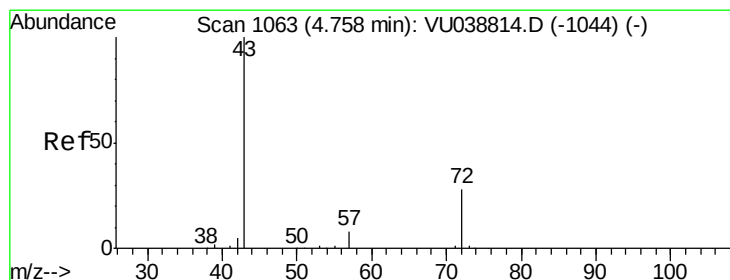
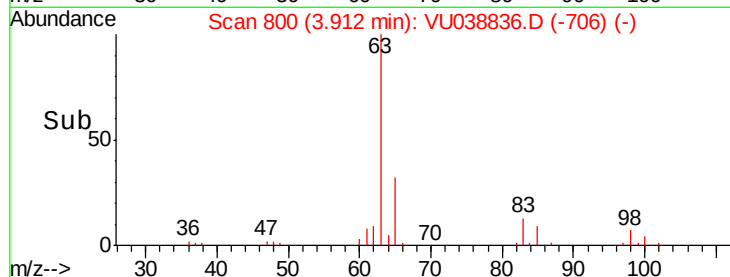
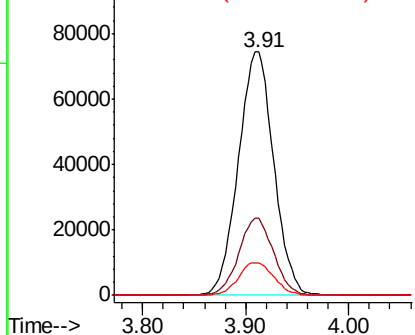
#19
 1,1-Dichloroethane
 Concen: 5.407 ug/L
 RT: 3.91 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 63 Resp: 177724
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.5
 83 13.3 10.4 19.4

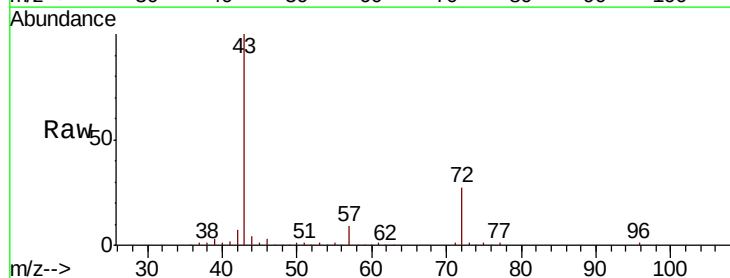


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

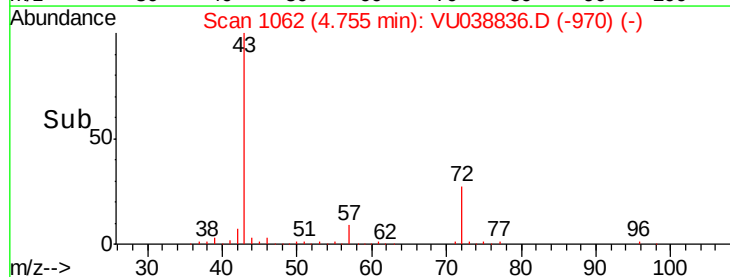
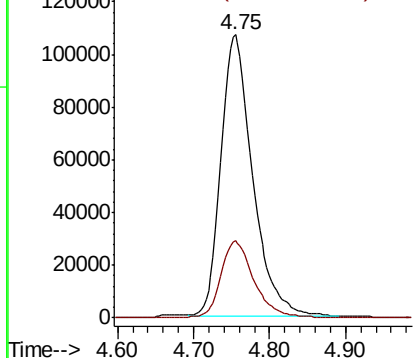


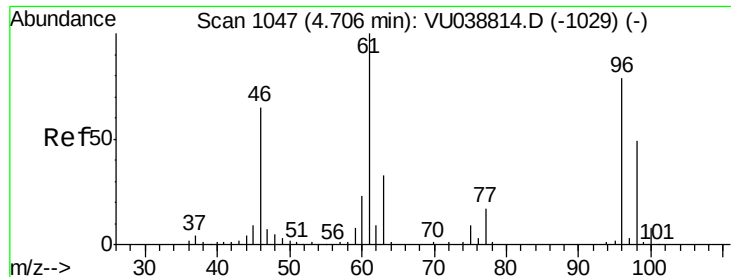
#21
 2-Butanone
 Concen: 51.747 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 43 Resp: 309936
 Ion Ratio Lower Upper
 43 100
 72 28.7 12.6 37.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 5.059 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

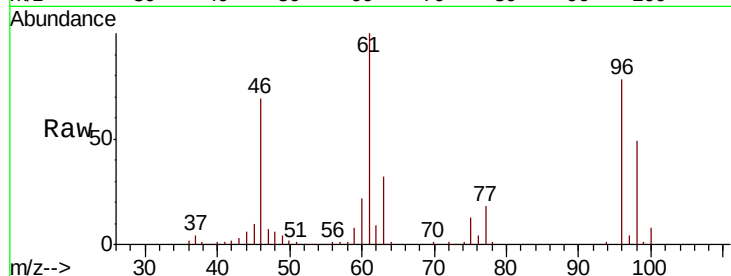
Tot Ion: 96 Resp: 100059

Ion Ratio Lower Upper

96 100

61 128.8 94.0 174.6

68 0.0 0.0 0.0

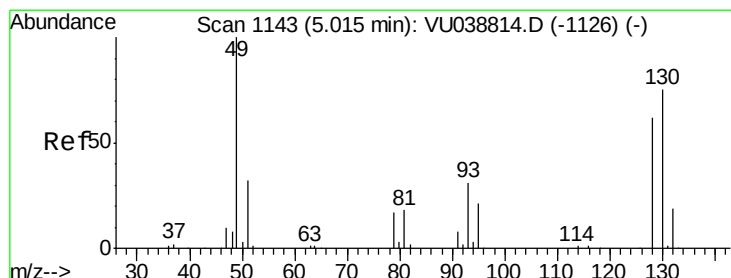
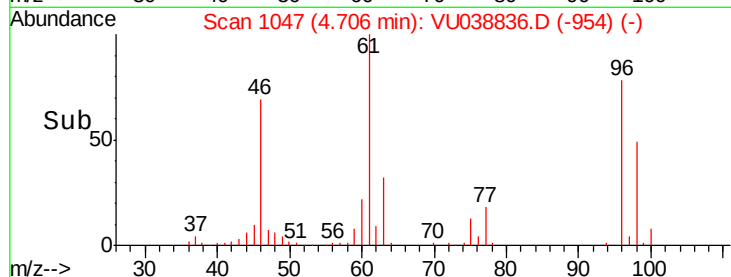
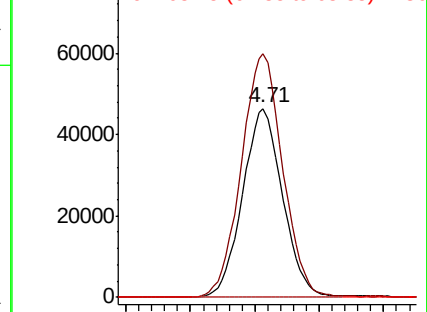


Abundance

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: 5.171 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Tgt Ion:128 Resp: 46024

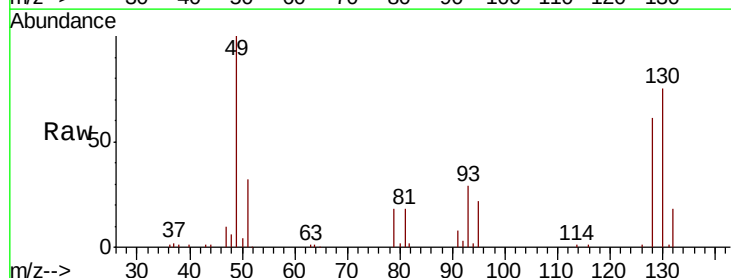
Ion Ratio Lower Upper

128 100

49 162.8 111.9 207.7

130 122.0 86.5 160.7

51 51.3 41.7 62.5



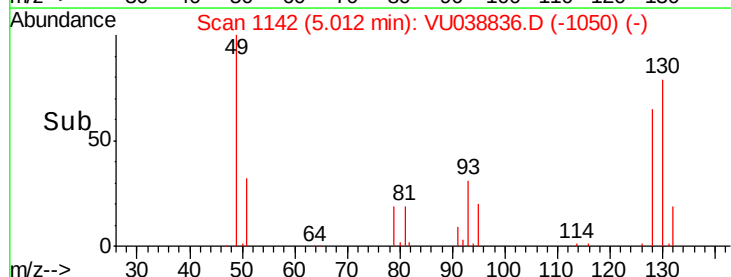
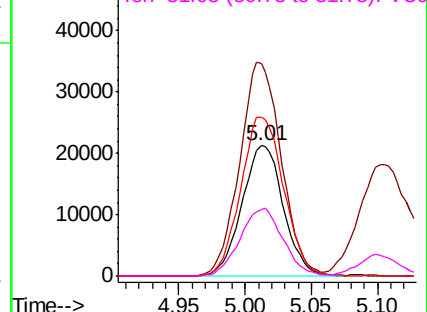
Abundance

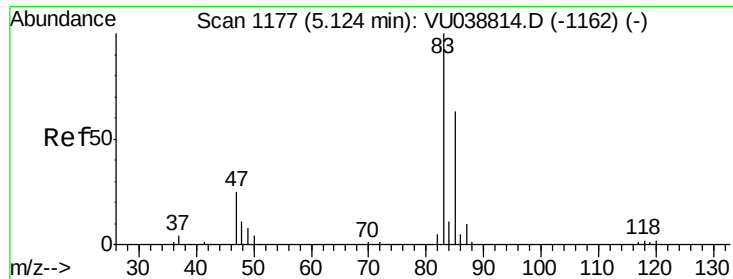
Ion 127.90 (127.60 to 128.60): V

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

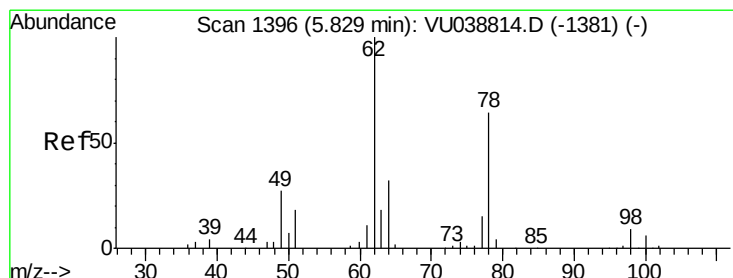
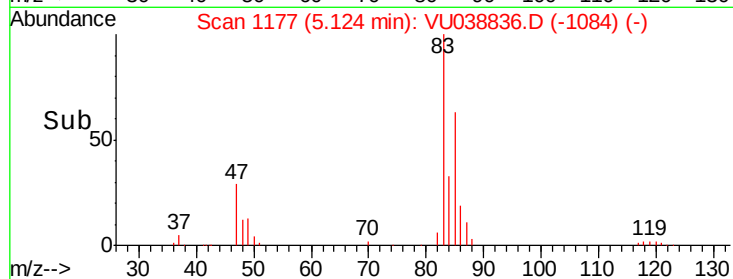
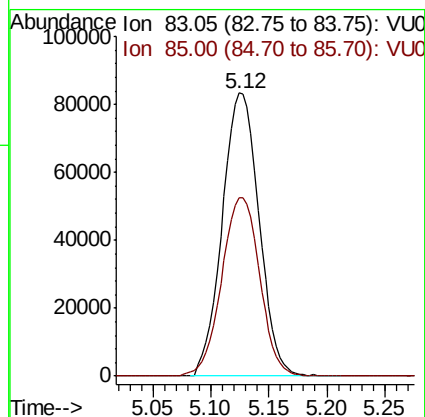
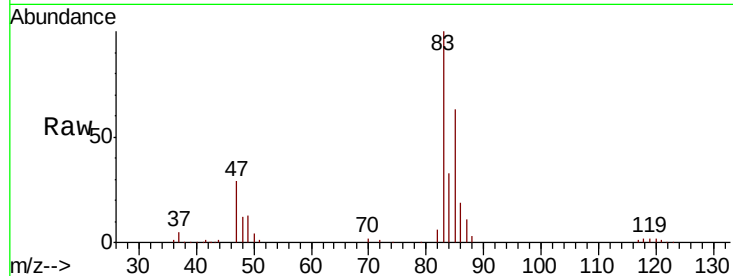




#25
Chloroform
Concen: 5.491 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

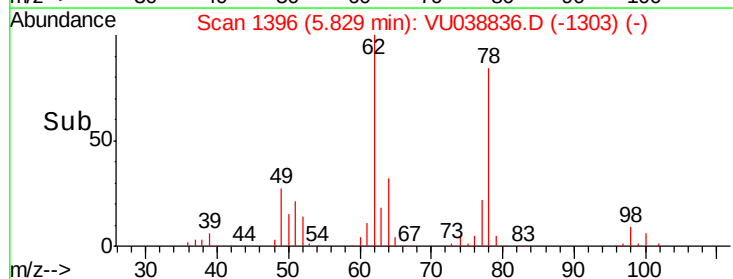
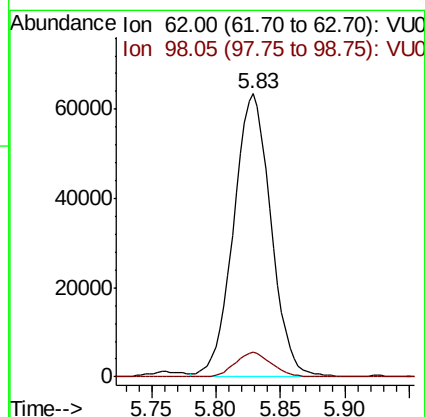
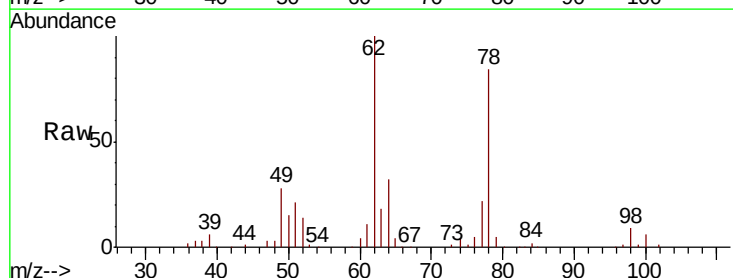
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

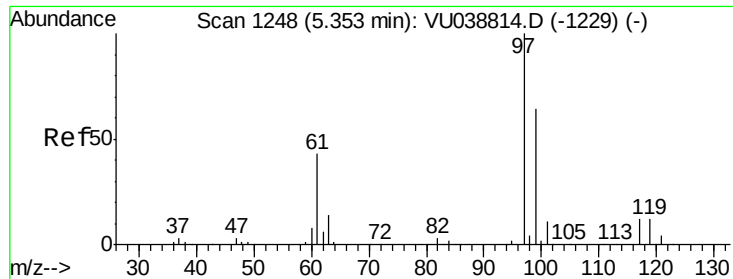
Tot Ion: 83 Resp: 183369
Ion Ratio Lower Upper
83 100
85 63.0 44.9 83.5



#27
1,2-Dichloroethane
Concen: 5.414 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Tgt Ion: 62 Resp: 127265
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.2

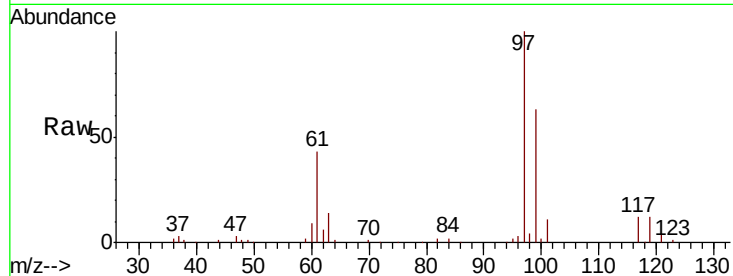




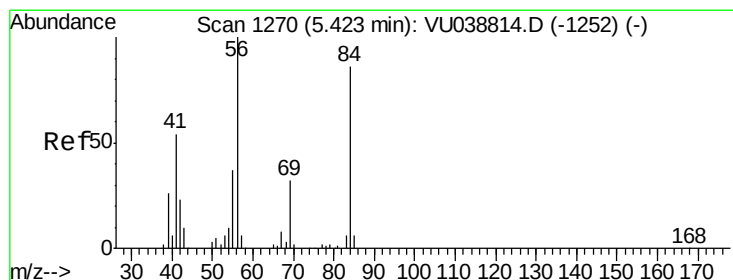
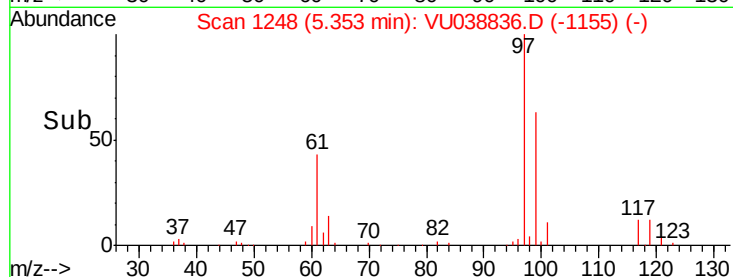
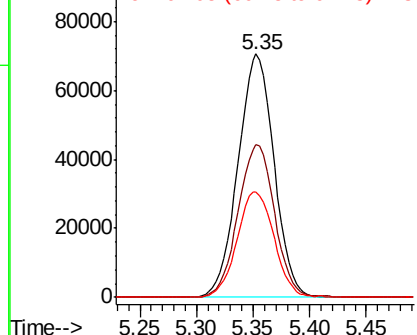
#29
 1,1,1-Trichloroethane
 Concen: 5.505 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 97 Resp: 156286
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.2 78.2
 61 44.7 35.4 53.2

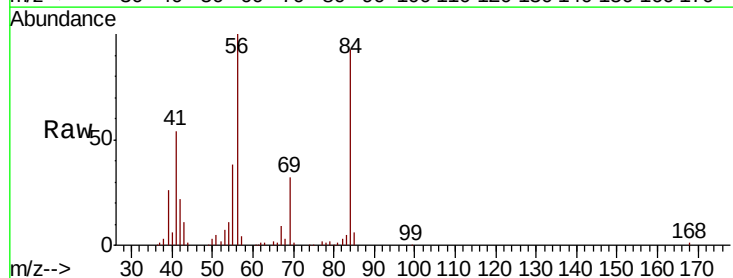


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

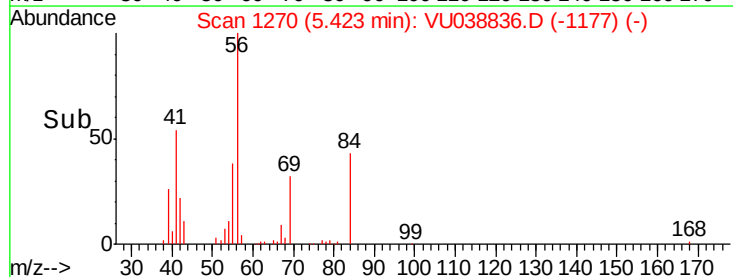
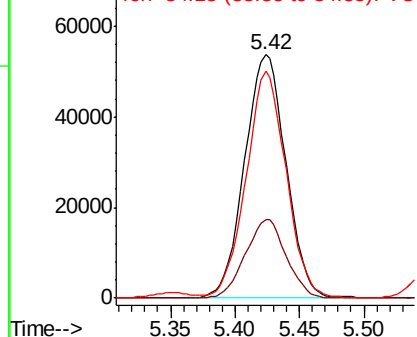


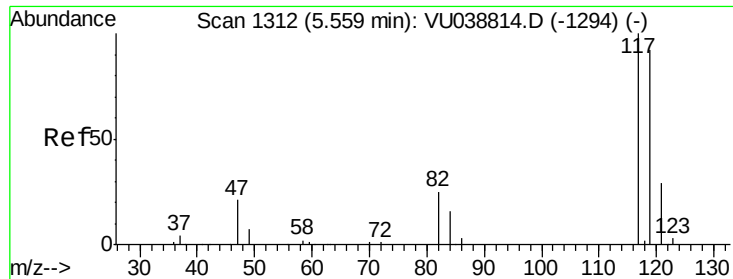
#30
 Cyclohexane
 Concen: 4.033 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 56 Resp: 120072
 Ion Ratio Lower Upper
 56 100
 69 31.7 24.2 36.4
 84 90.4 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: 5.238 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

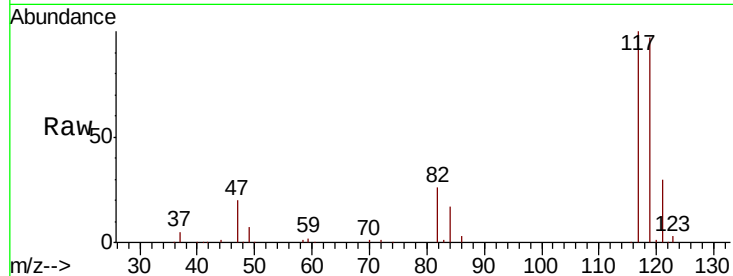
VSTD00520

Tot Ion:117 Resp: 123808

Ion Ratio Lower Upper

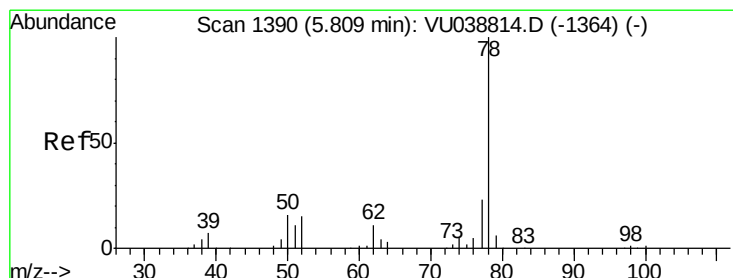
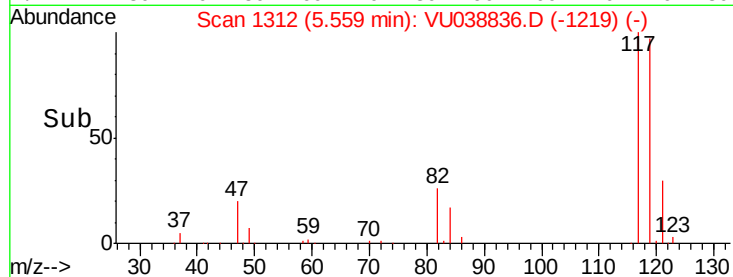
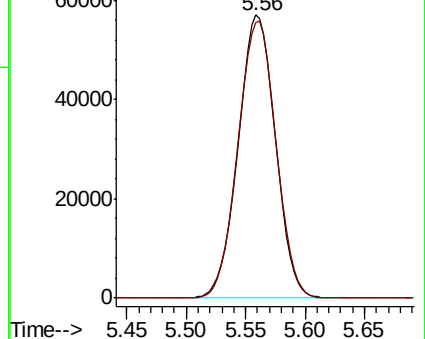
117 100

119 99.8 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: 5.061 ug/L

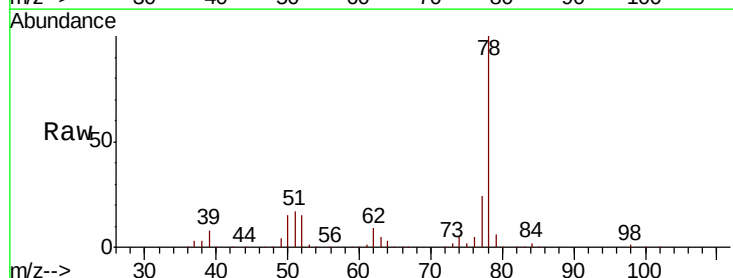
RT: 5.81 min Scan# 1389

Delta R.T. -0.00 min

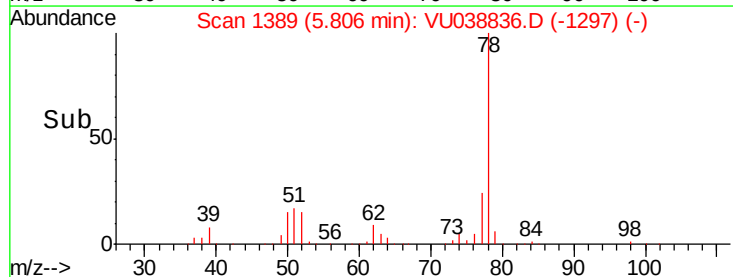
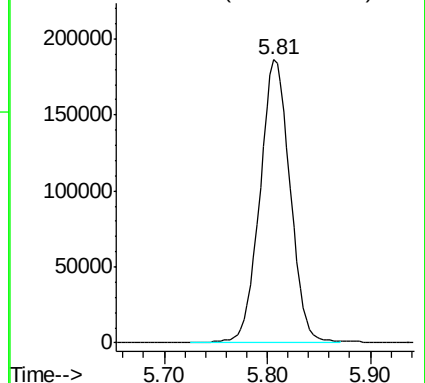
Lab File: VU038836.D

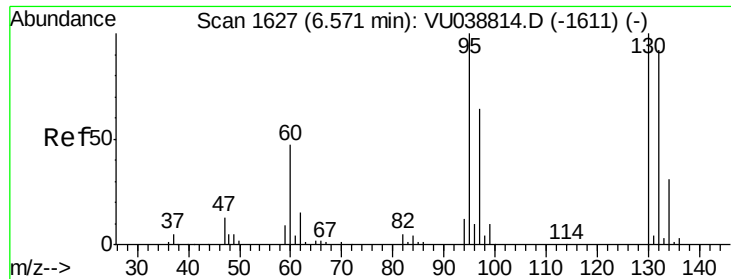
Acq: 11 Jun 2020 20:24

Tgt Ion: 78 Resp: 378656



Abundance Ion 78.10 (77.80 to 78.80): VU0

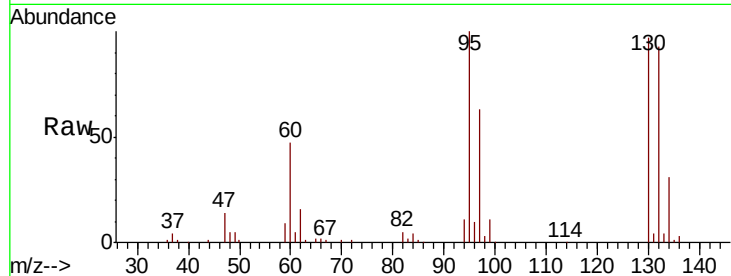




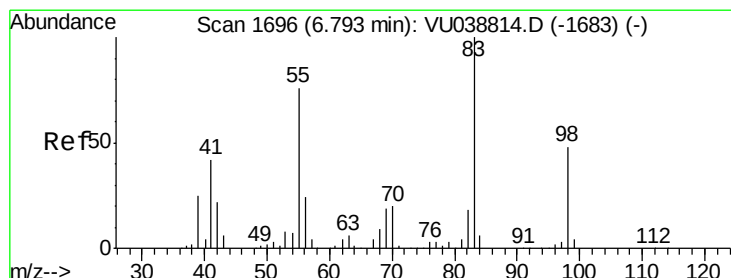
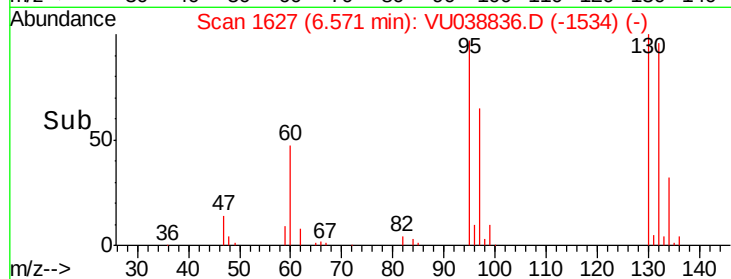
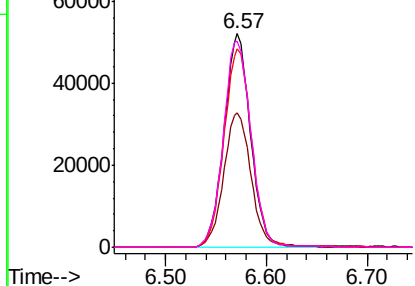
#34
 Trichloroethene
 Concen: 4.952 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:	95	Resp:	96167
Ion	Ratio	Lower	Upper
95	100		
97	62.8	46.8	87.0
132	92.7	66.1	122.7
130	96.7	70.0	130.0

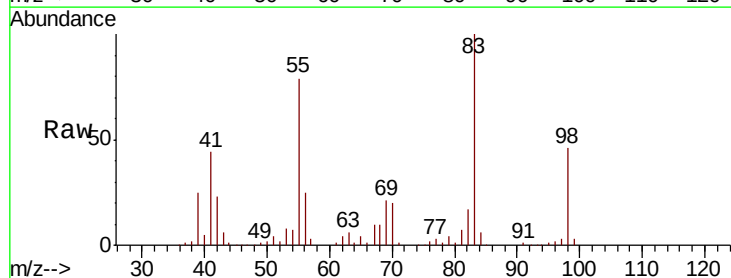


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

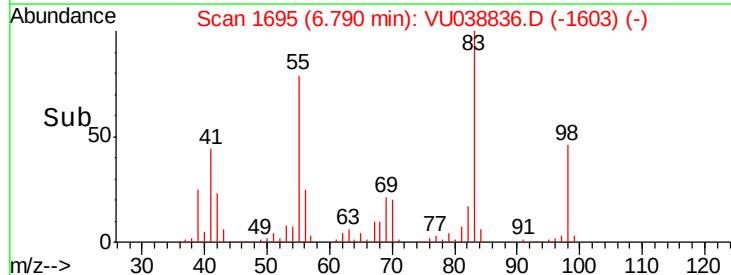
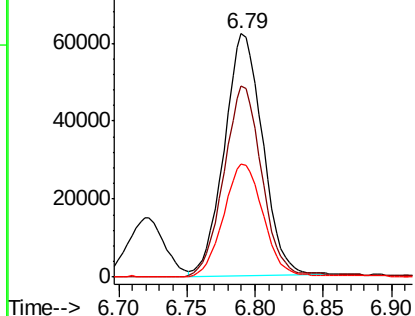


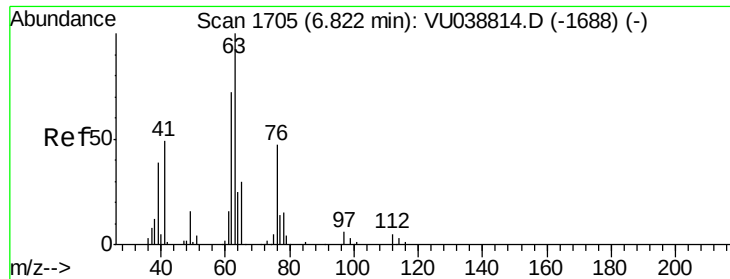
#35
 Methylcyclohexane
 Concen: 4.038 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion:	83	Resp:	121398
Ion	Ratio	Lower	Upper
83	100		
55	77.8	63.4	95.2
98	48.7	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

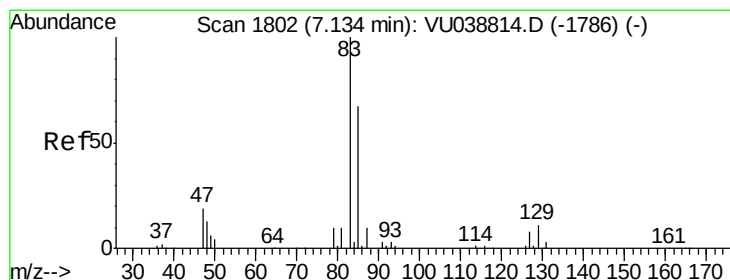
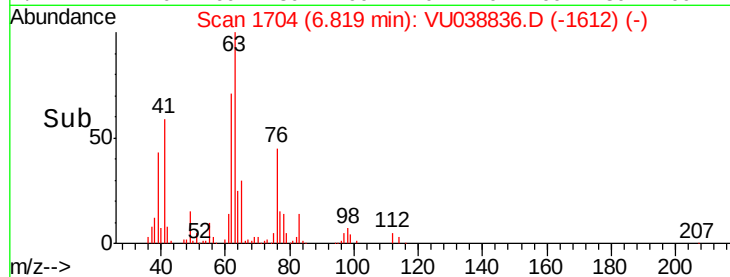
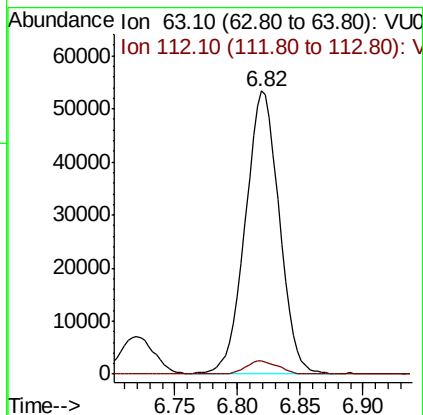
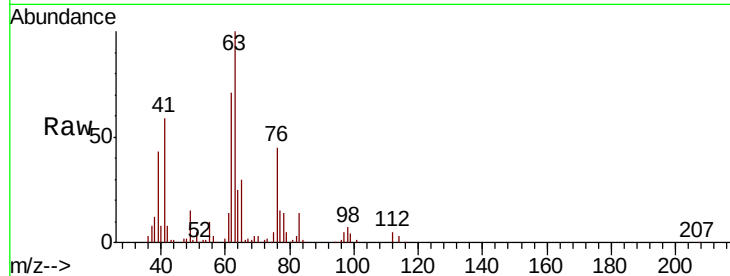




#37
 1,2-Dichloropropane
 Concen: 5.352 ug/L
 RT: 6.82 min Scan# 1704
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

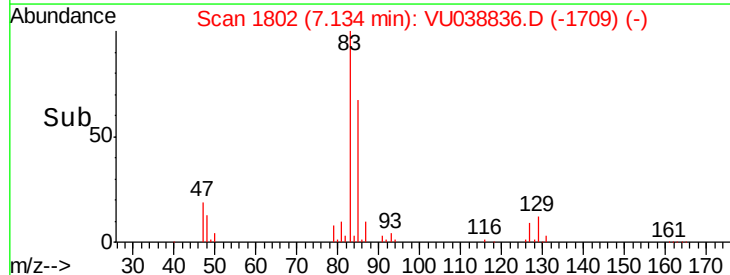
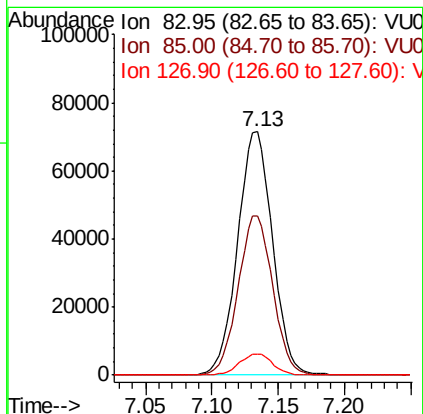
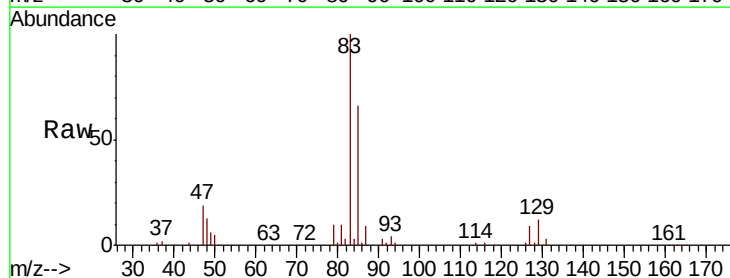
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

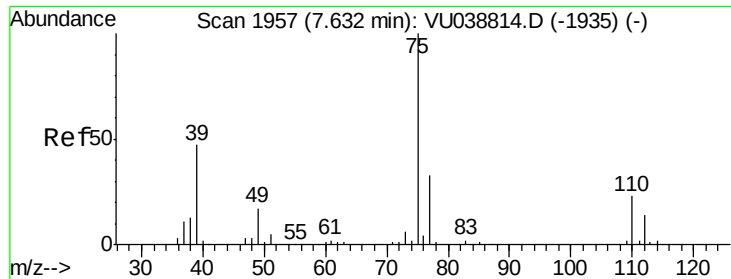
Tot Ion: 63 Resp: 100769
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 5.603 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 83 Resp: 131001
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.7 83.1
 127 8.8 6.8 10.2

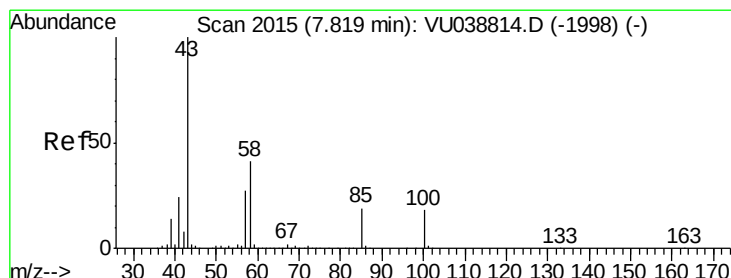
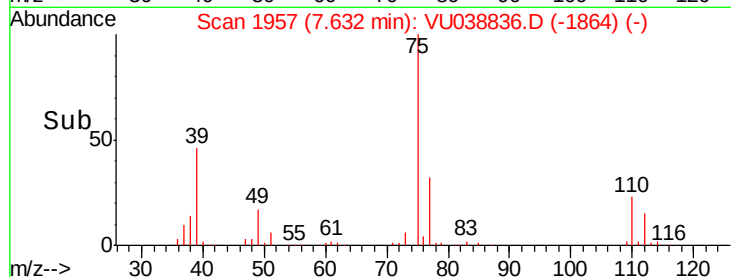
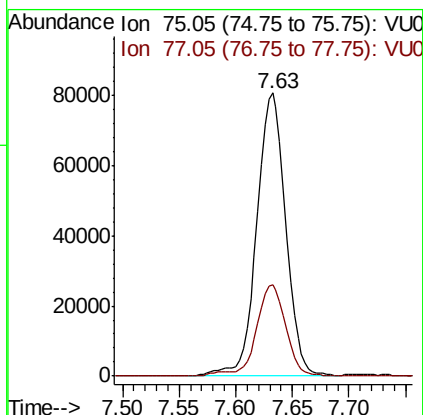
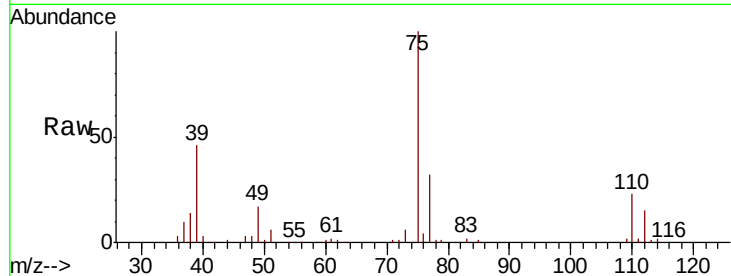




#39
 cis-1,3-Dichloropropene
 Concen: 5.171 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

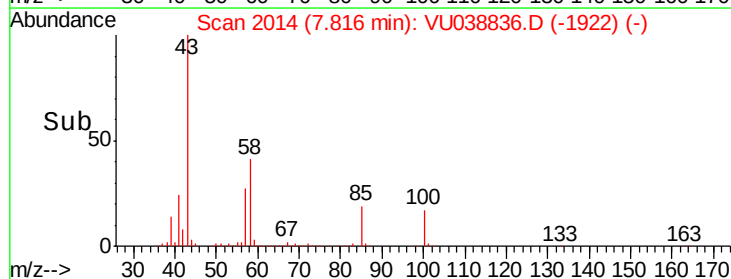
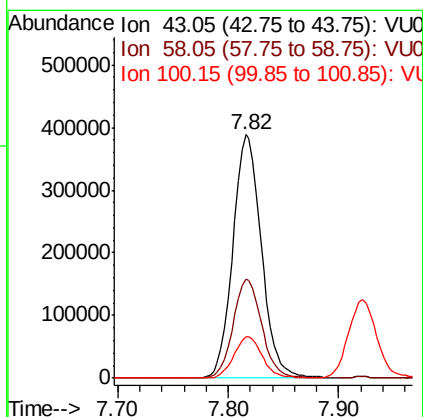
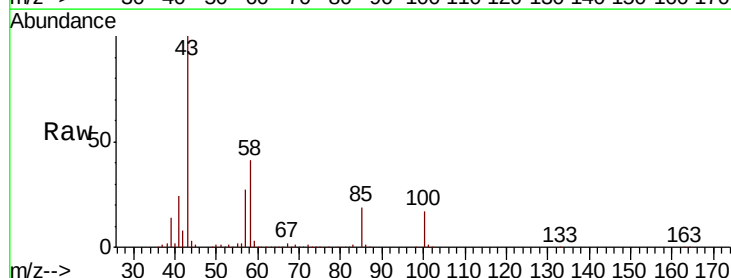
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

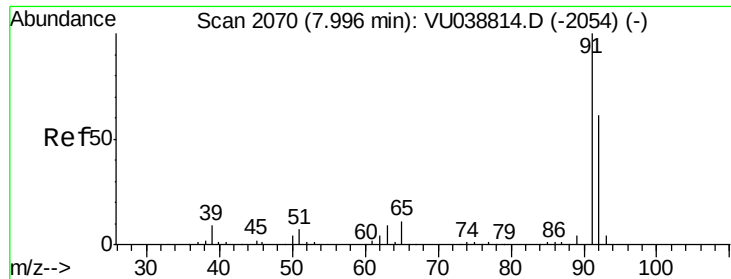
Tot Ion: 75 Resp: 143872
 Ion Ratio Lower Upper
 75 100
 77 32.3 21.9 40.7



#40
 4-Methyl-2-pentanone
 Concen: 51.825 ug/L
 RT: 7.82 min Scan# 2014
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 43 Resp: 697806
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.4 48.6
 100 17.0 13.3 19.9





#42

Toluene

Concen: 5.134 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

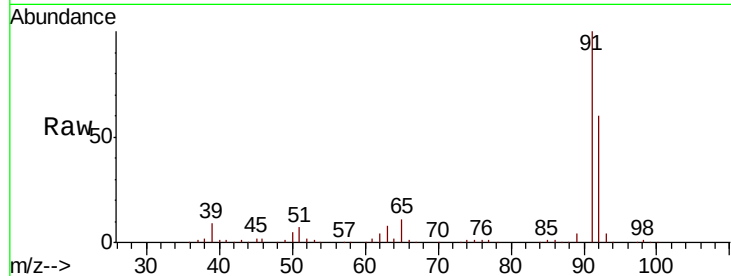
VSTD00520

Tot Ion: 91 Resp: 402887

Ion Ratio Lower Upper

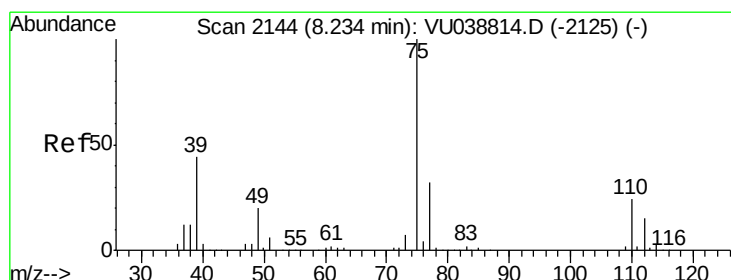
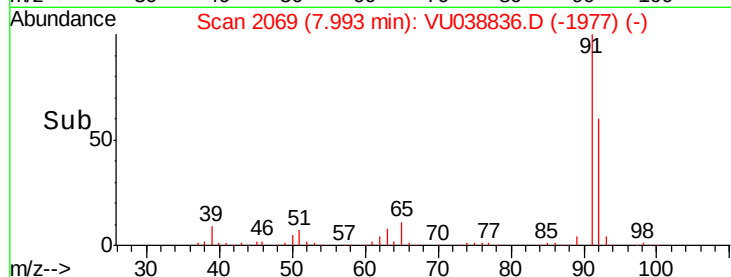
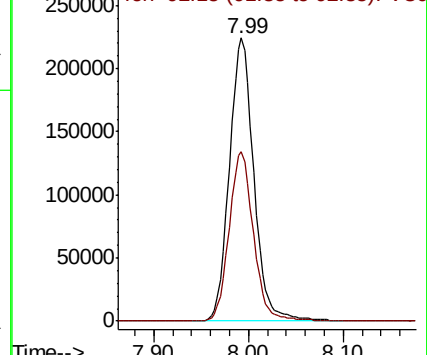
91 100

92 59.9 43.0 79.8



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: 5.412 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU038836.D

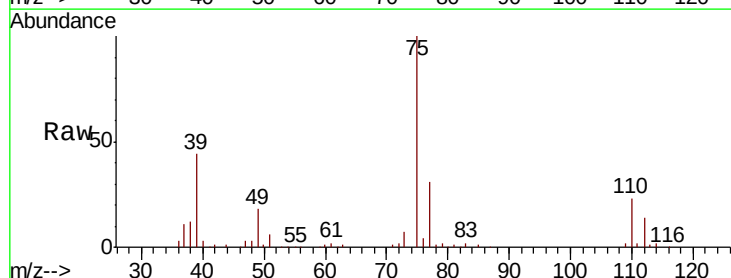
Acq: 11 Jun 2020 20:24

Tgt Ion: 75 Resp: 132991

Ion Ratio Lower Upper

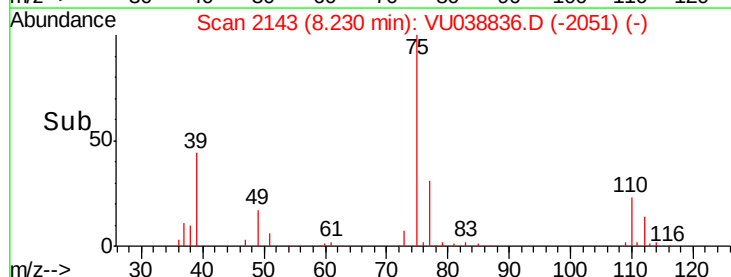
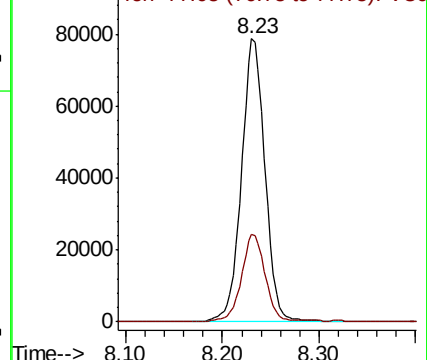
75 100

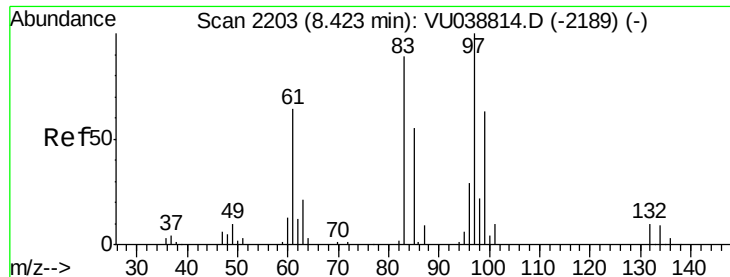
77 31.0 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

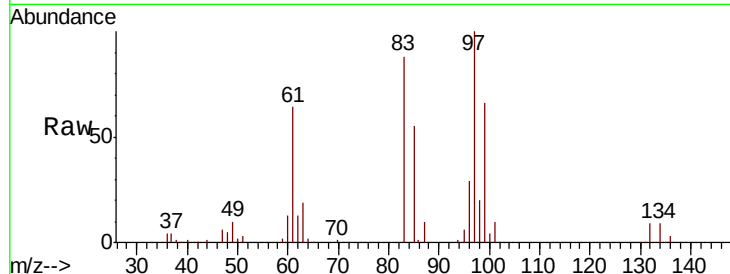




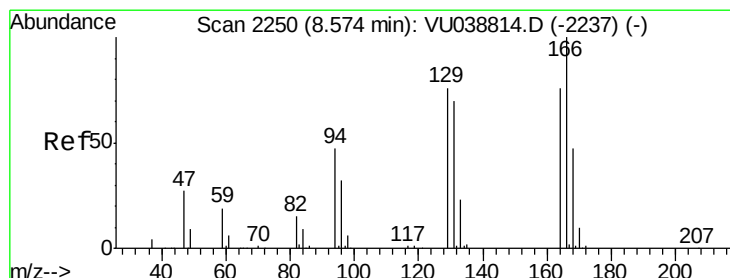
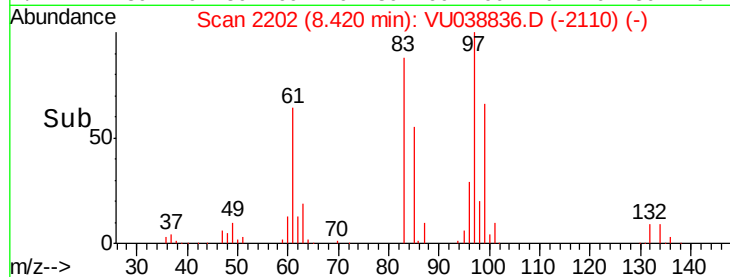
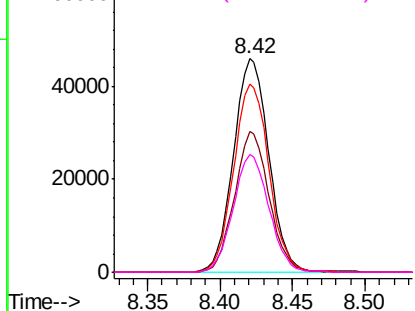
#45
1,1,2-Trichloroethane
Concen: 5.507 ug/L
RT: 8.42 min Scan# 2202
Delta R.T. -0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:	97	Resp:	78228
Ion	Ratio	Lower	Upper
97	100		
99	65.7	42.1	78.1
83	88.4	58.8	109.2
85	55.4	37.4	69.4

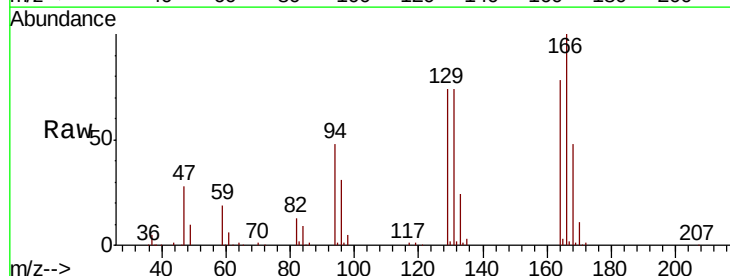


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0

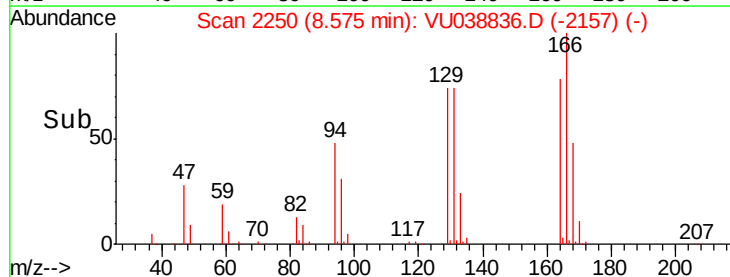
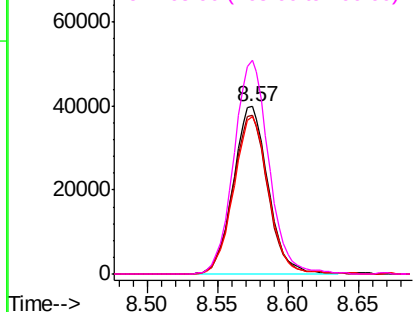


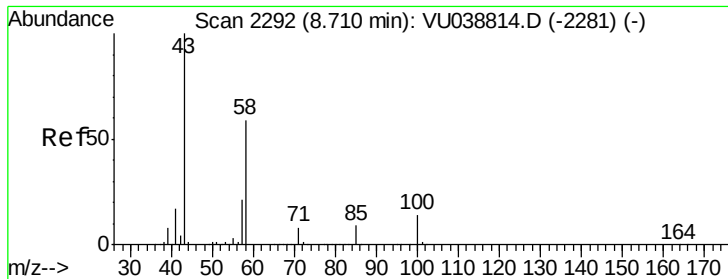
#47
Tetrachloroethene
Concen: 4.886 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Tgt Ion:	164	Resp:	68941
Ion	Ratio	Lower	Upper
164	100		
129	94.8	67.4	125.2
131	94.0	64.1	119.1
166	127.5	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

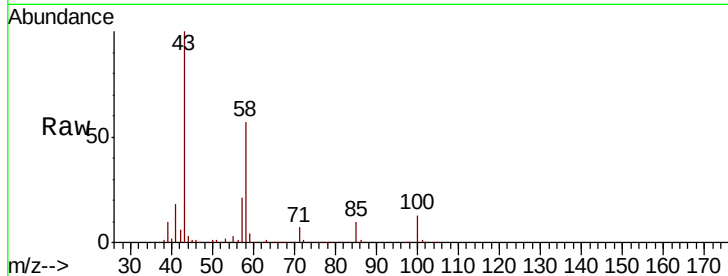




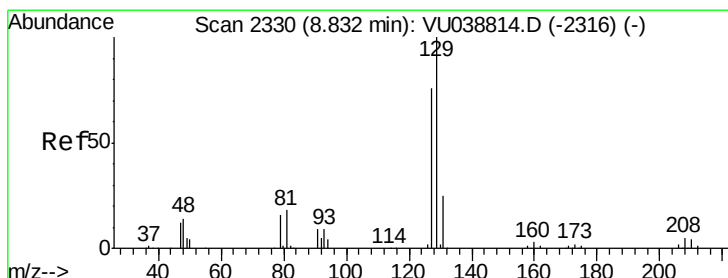
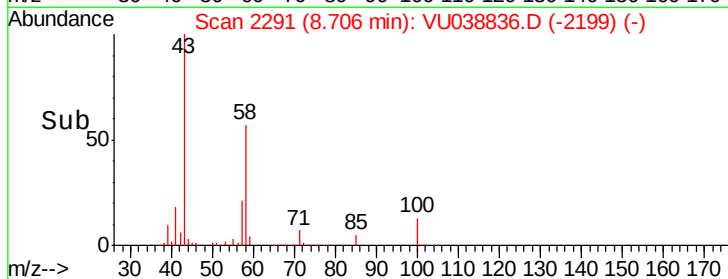
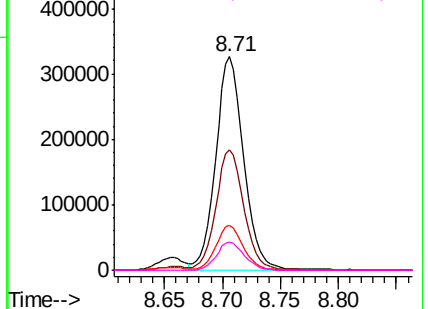
#48
2-Hexanone
Concen: 53.336 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:	43	Resp:	543859
Ion	Ratio	Lower	Upper
43	100		
58	56.5	45.4	68.0
57	20.6	15.9	23.9
100	13.3	10.5	15.7

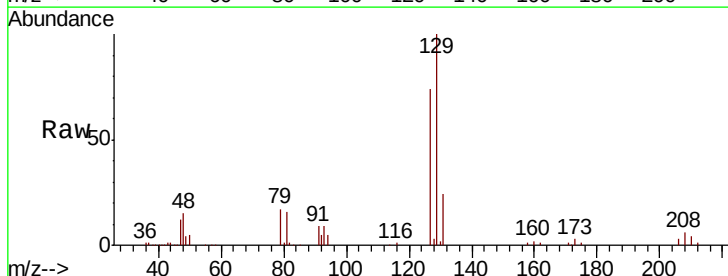


Abundance Ion 43.05 (42.75 to 43.75): VU038814.D (-2281) (-)
Ion 58.05 (57.75 to 58.75): VU038814.D (-2281) (-)
Ion 57.20 (56.90 to 57.90): VU038814.D (-2281) (-)
Ion 100.15 (99.85 to 100.85): VU038814.D (-2281) (-)

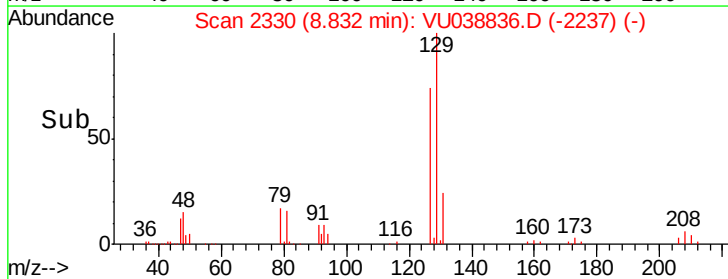
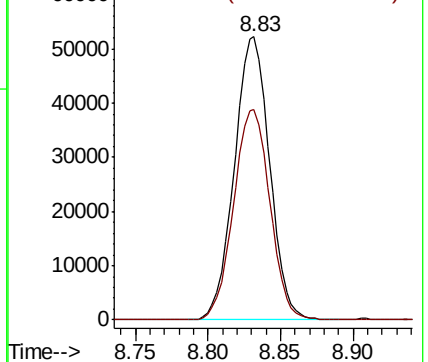


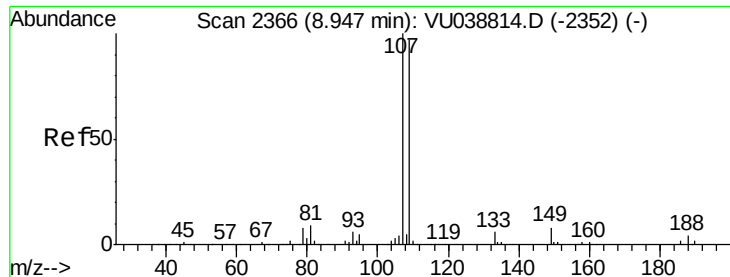
#49
Dibromochloromethane
Concen: 5.769 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038836.D
Acq: 11 Jun 2020 20:24

Tgt Ion:	129	Resp:	88447
Ion	Ratio	Lower	Upper
129	100		
127	74.1	53.3	99.1



Abundance Ion 128.95 (128.65 to 129.65): VU038814.D (-2316) (-)
Ion 126.90 (126.60 to 127.60): VU038814.D (-2316) (-)

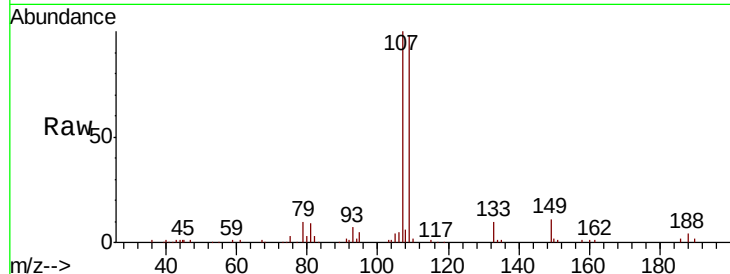




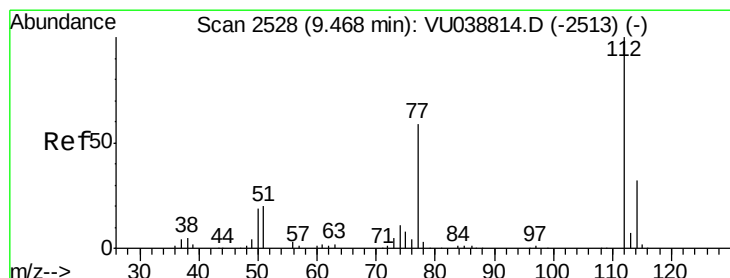
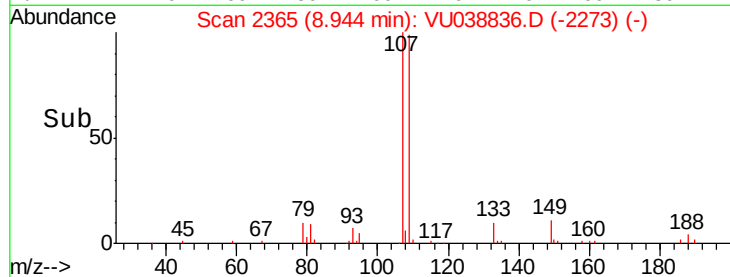
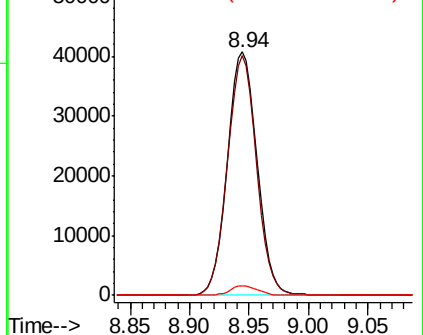
#50
 1,2-Dibromoethane
 Concen: 5.189 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:107 Resp: 70574
 Ion Ratio Lower Upper
 107 100
 109 98.5 67.0 124.4
 188 3.9 3.0 4.4

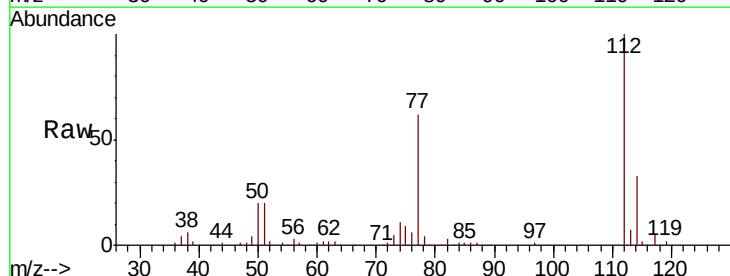


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

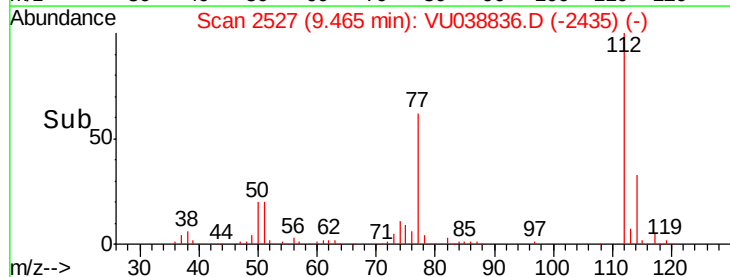
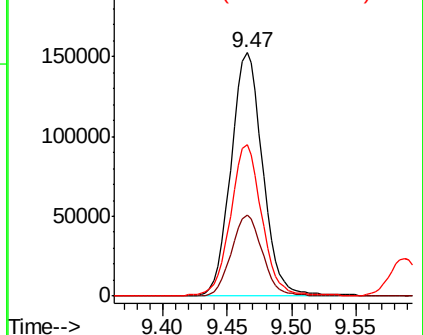


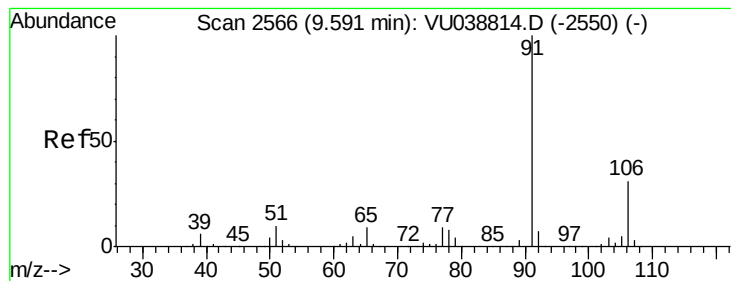
#51
 Chlorobenzene
 Concen: 5.164 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion:112 Resp: 261334
 Ion Ratio Lower Upper
 112 100
 114 33.1 22.4 41.6
 77 61.9 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: 4.921 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

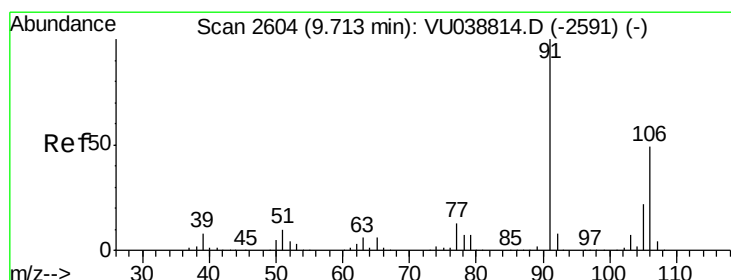
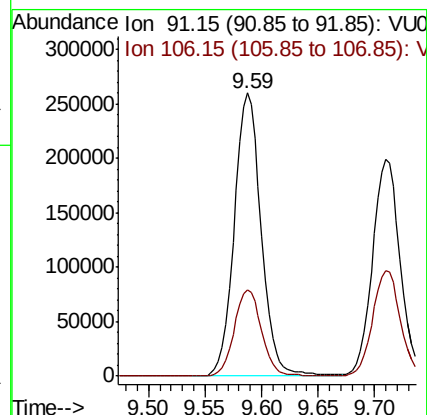
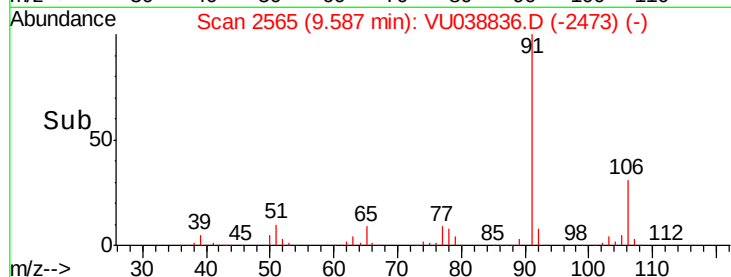
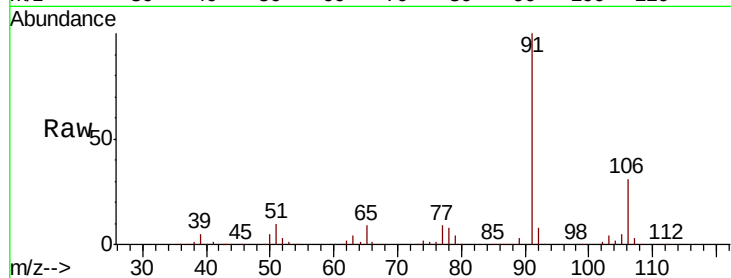
VSTD00520

Tot Ion: 91 Resp: 429649

Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



#53

m,p-Xylene

Concen: 4.966 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU038836.D

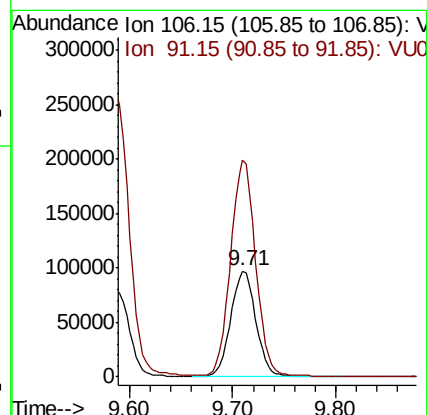
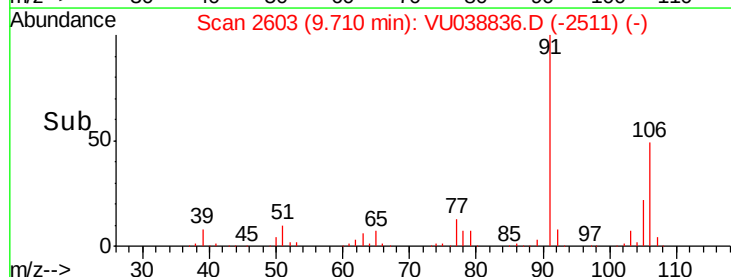
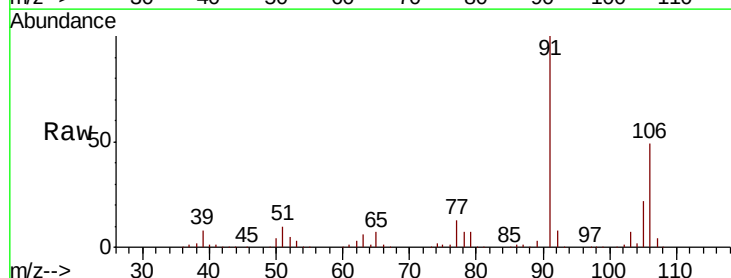
Acq: 11 Jun 2020 20:24

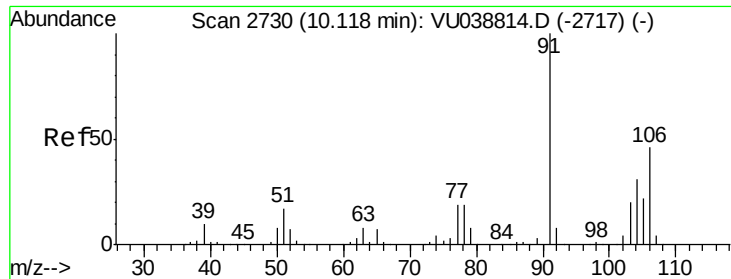
Tgt Ion: 106 Resp: 166755

Ion Ratio Lower Upper

106 100

91 206.0 138.1 256.5





#54

o-Xylene

Concen: 5.071 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

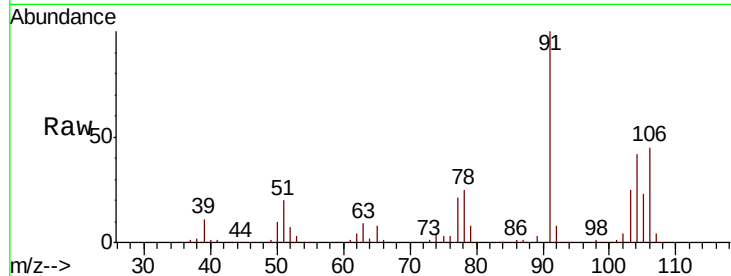
VSTD00520

Tot Ion:106 Resp: 163457

Ion Ratio Lower Upper

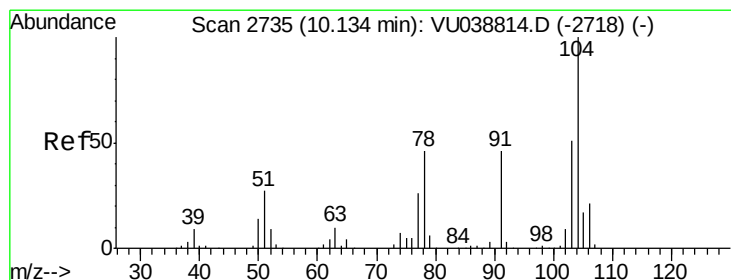
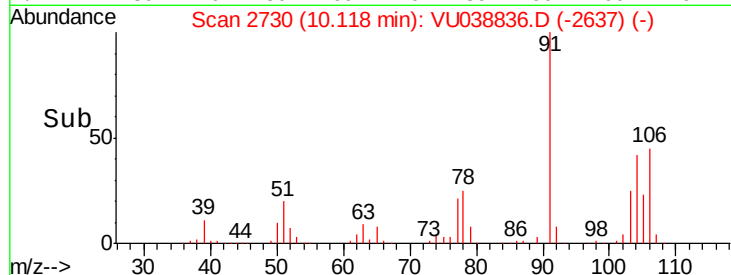
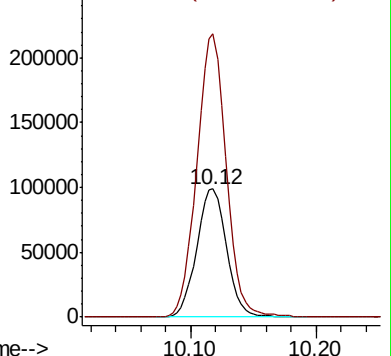
106 100

91 221.0 150.6 279.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.368 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU038836.D

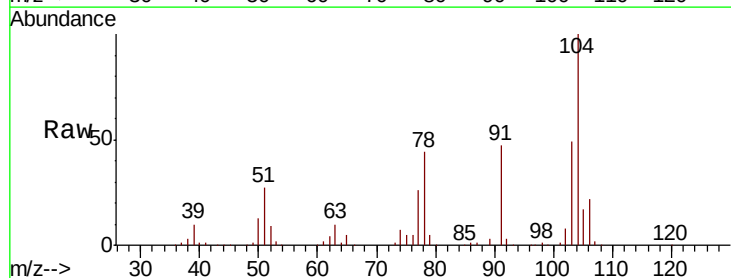
Acq: 11 Jun 2020 20:24

Tgt Ion:104 Resp: 293709

Ion Ratio Lower Upper

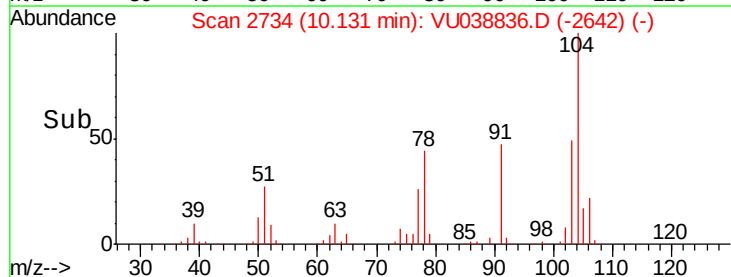
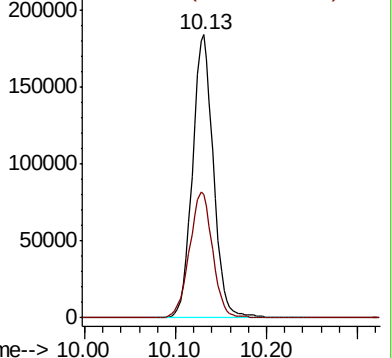
104 100

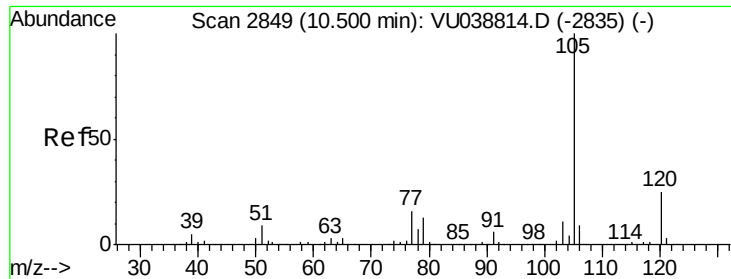
78 43.8 31.9 59.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 5.050 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

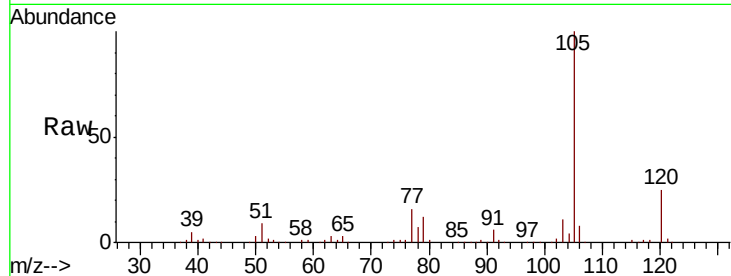
Tot Ion:105 Resp: 428467

Ion Ratio Lower Upper

105 100

120 25.2 20.7 31.1

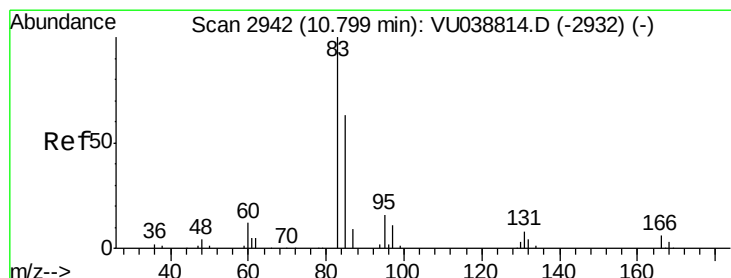
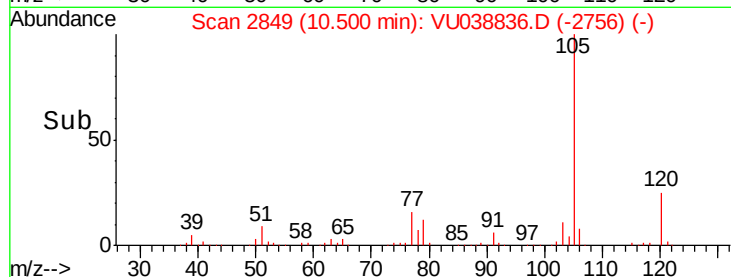
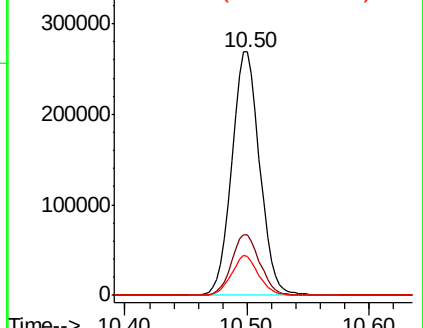
77 16.0 12.5 18.7



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: 5.356 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

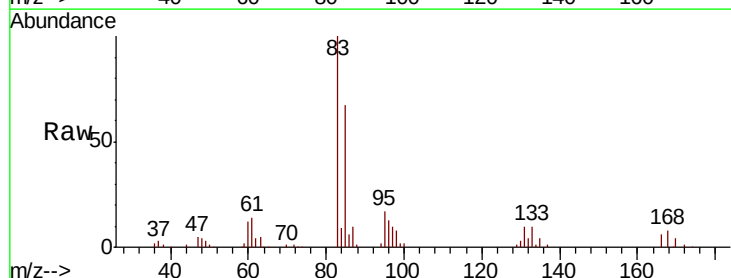
Tgt Ion: 83 Resp: 96683

Ion Ratio Lower Upper

83 100

85 66.8 44.2 82.0

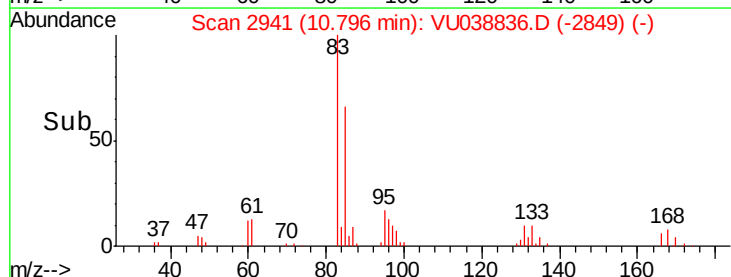
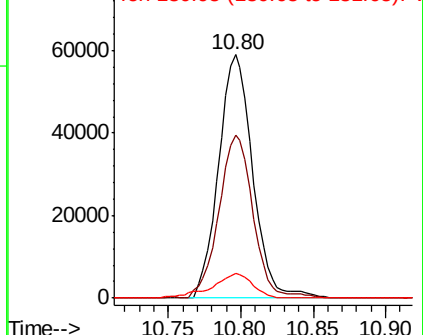
131 10.0 8.1 12.1

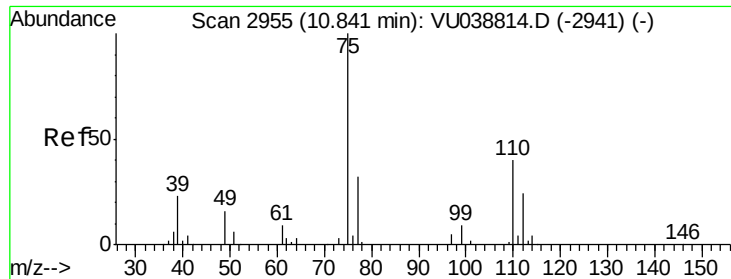


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.290 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

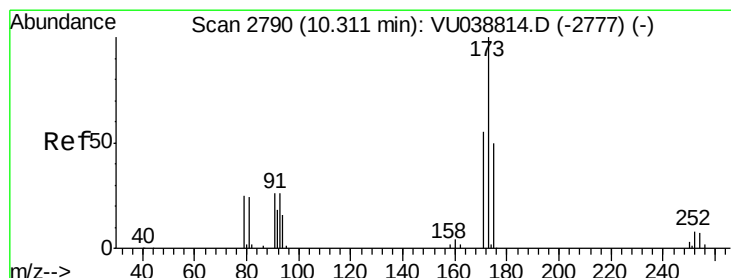
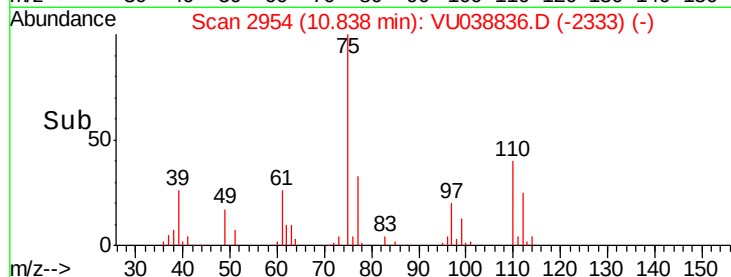
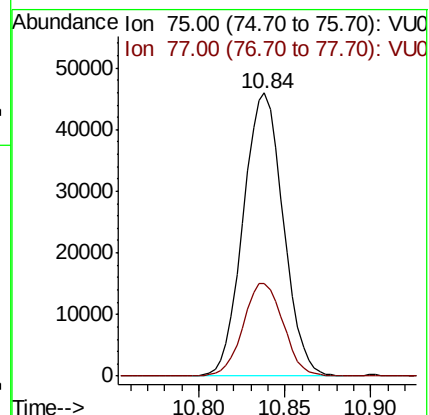
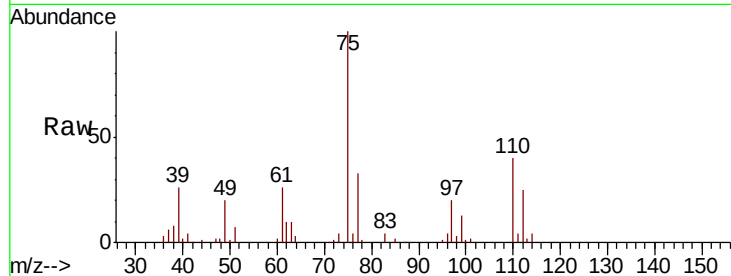
VSTD00520

Tot Ion: 75 Resp: 74343

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2



#61

Bromoform

Concen: 5.560 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

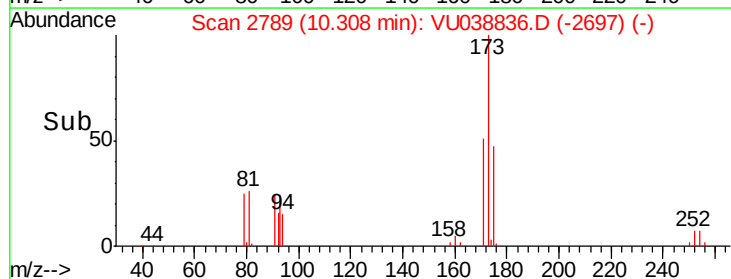
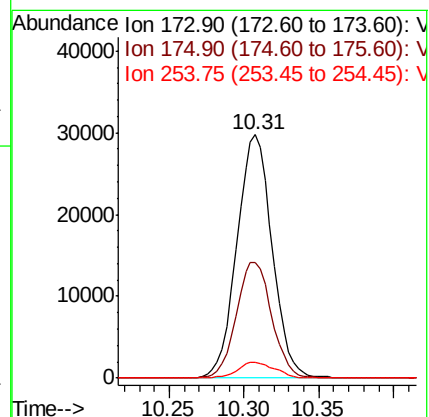
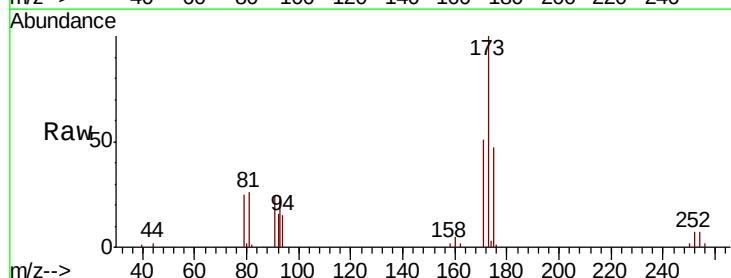
Tgt Ion: 173 Resp: 48726

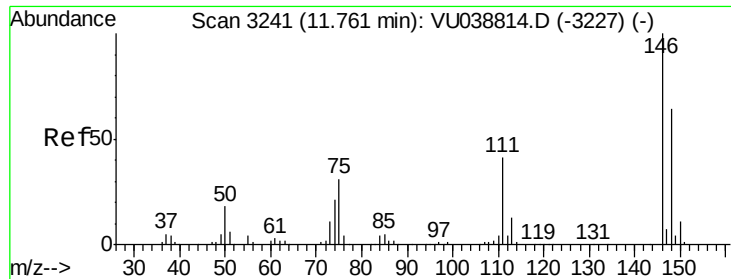
Ion Ratio Lower Upper

173 100

175 47.9 38.7 58.1

254 6.7 5.4 8.2

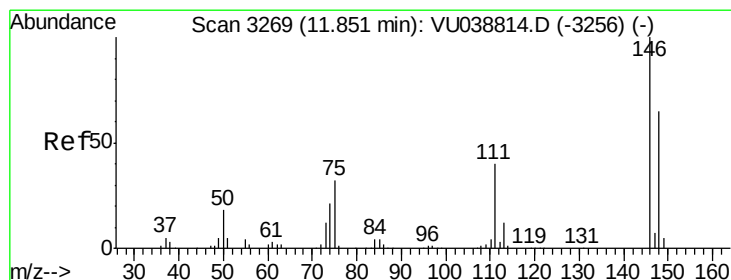
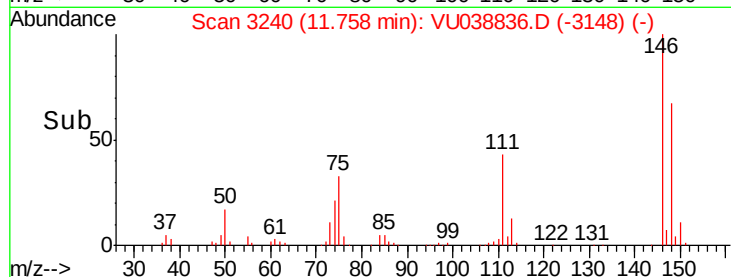
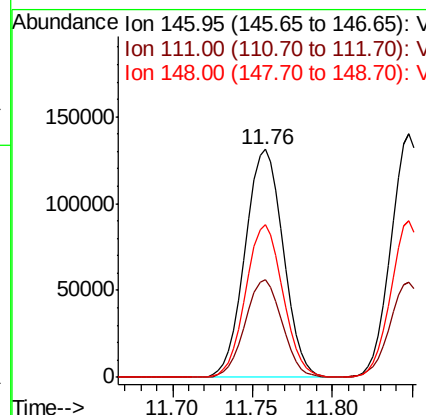
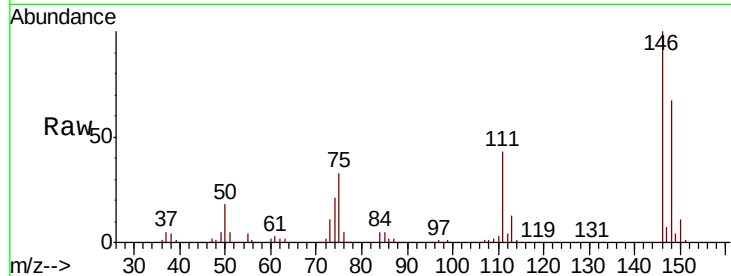




#62
 1,3-Dichlorobenzene
 Concen: 5.149 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

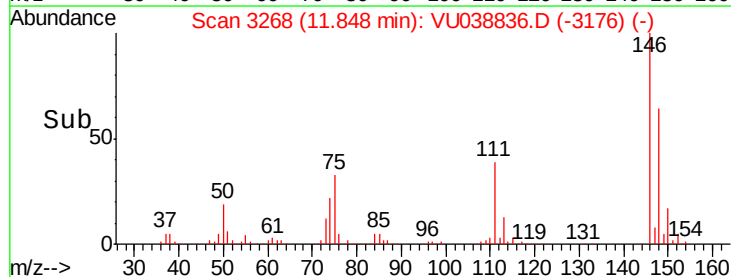
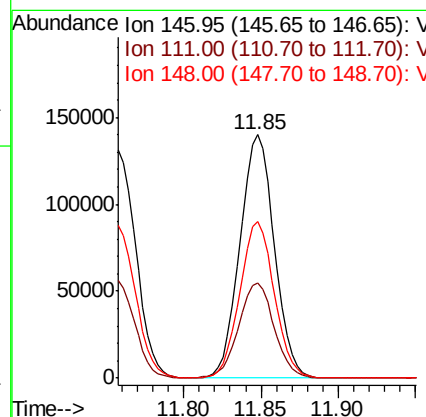
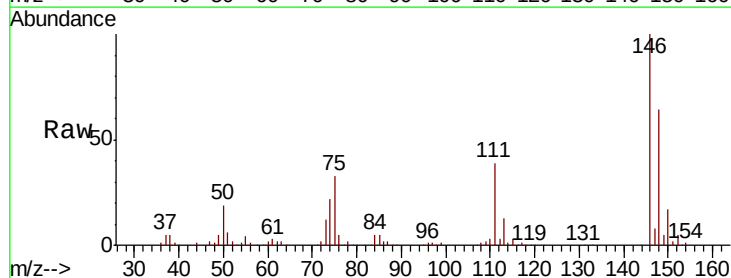
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

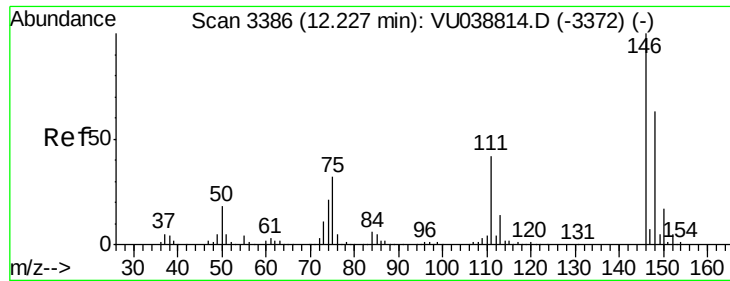
Tot Ion:146 Resp: 212812
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.5 54.9
 148 66.8 45.6 84.6



#63
 1,4-Dichlorobenzene
 Concen: 5.164 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion:146 Resp: 216440
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.6 51.2
 148 64.3 44.8 83.2

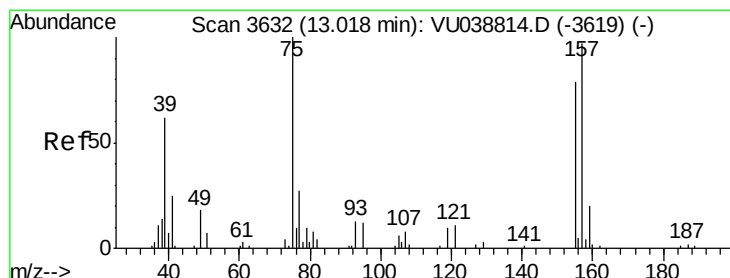
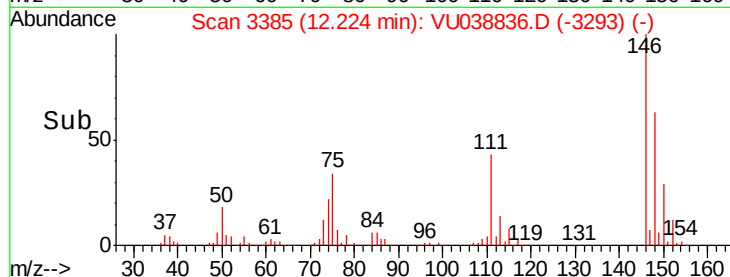
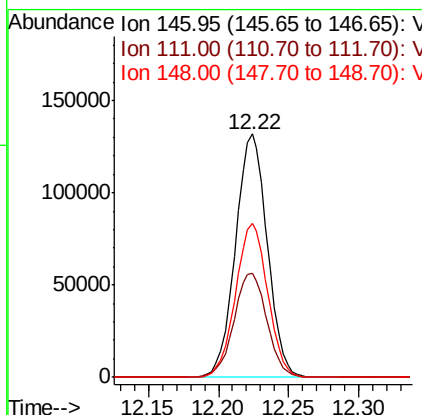
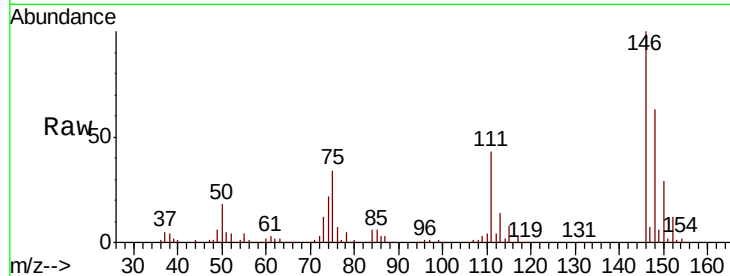




#65
 1,2-Dichlorobenzene
 Concen: 5.303 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

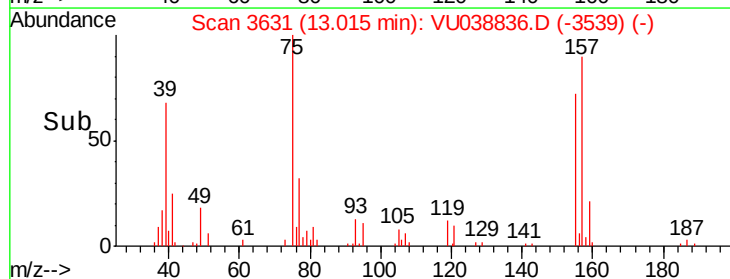
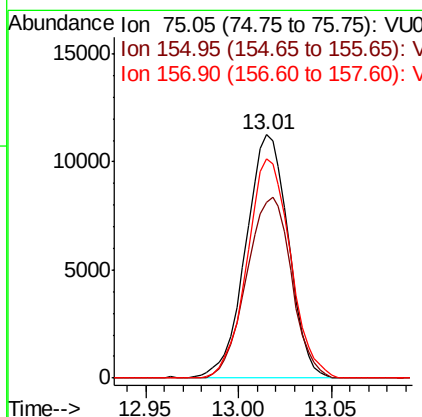
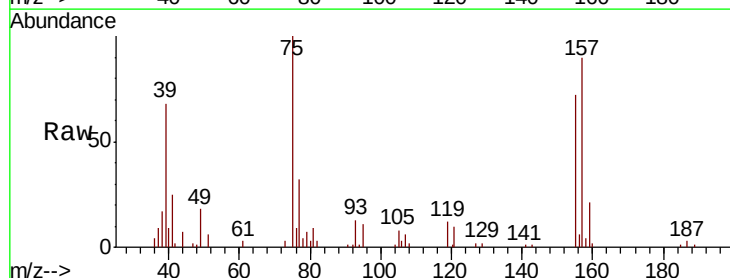
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

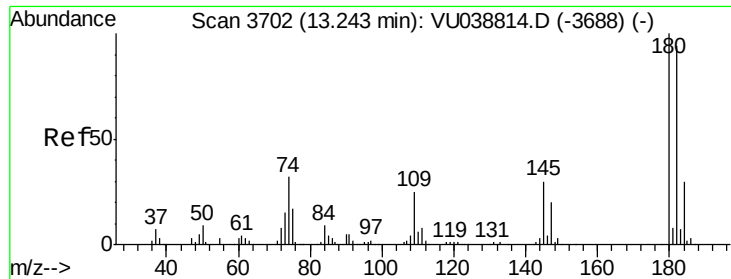
Tot Ion:146 Resp: 208122
 Ion Ratio Lower Upper
 146 100
 111 42.8 35.1 52.7
 148 63.4 50.9 76.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.655 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion: 75 Resp: 17969
 Ion Ratio Lower Upper
 75 100
 155 72.3 59.6 89.4
 157 90.3 79.8 119.6

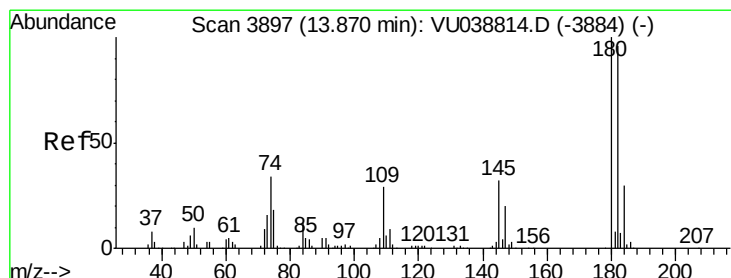
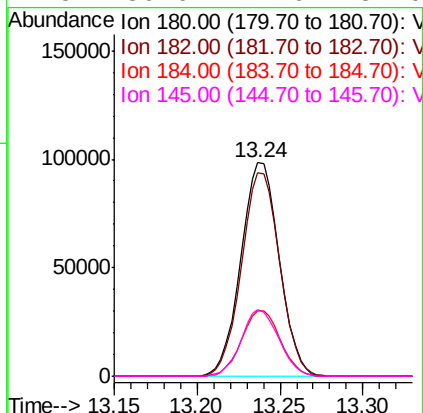
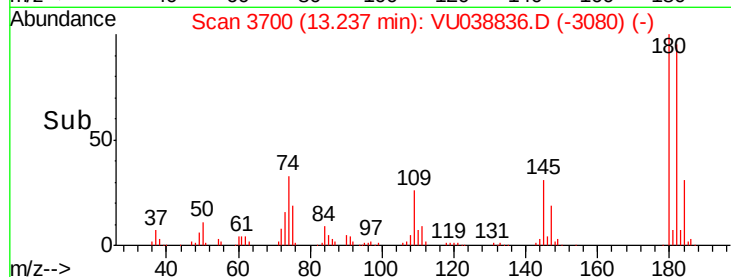
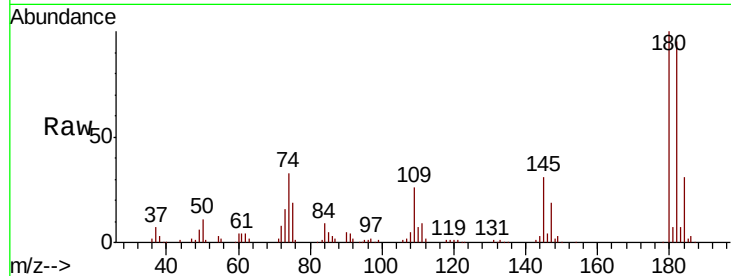




#67
 1,3,5-Trichlorobenzene
 Concen: 5.130 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.01 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

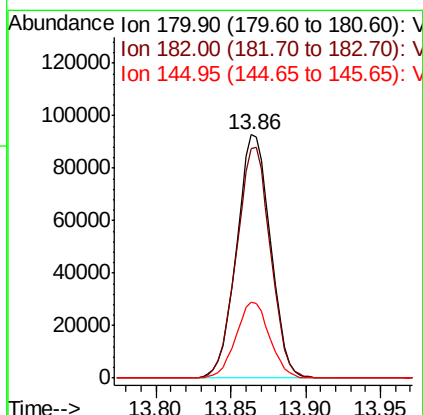
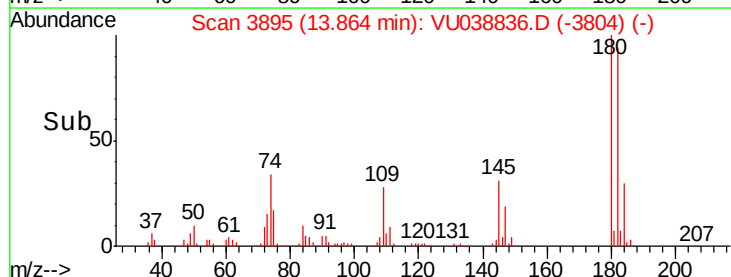
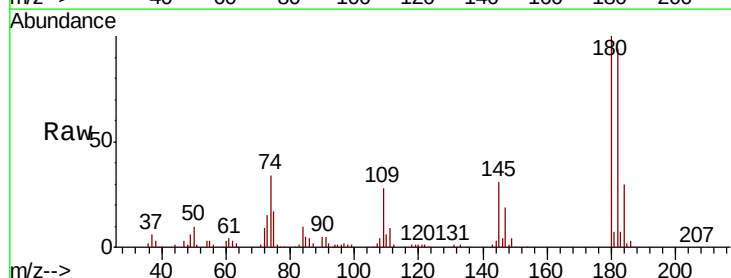
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

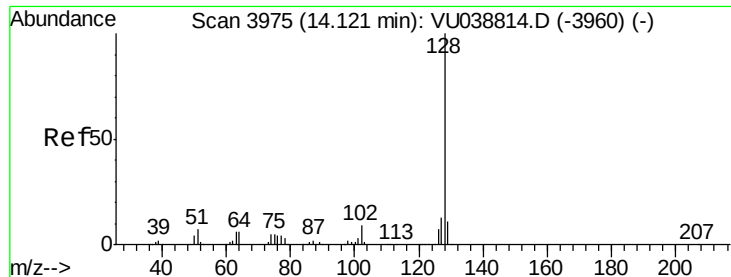
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
184	31.1	25.1	37.7
145	30.6	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.114 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.01 min
 Lab File: VU038836.D
 Acq: 11 Jun 2020 20:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.8	113.8
145	31.1	25.3	37.9





#69

Naphthalene

Concen: 4.912 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

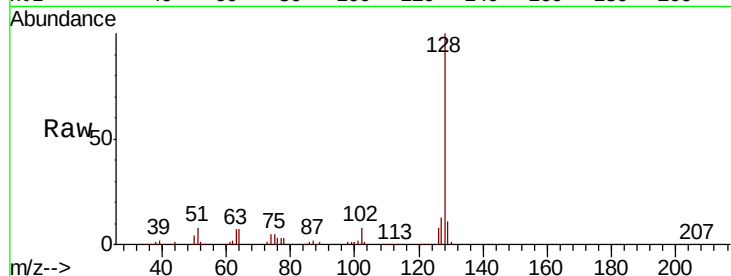
Tot Ion:128 Resp: 279005

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

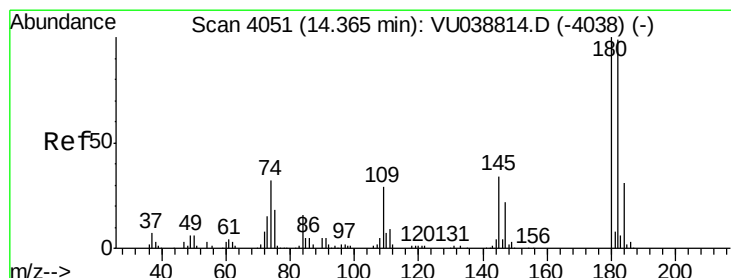
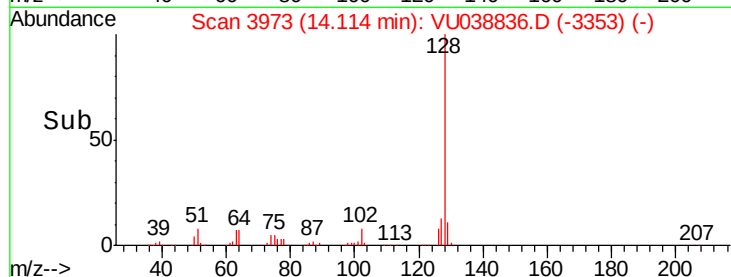
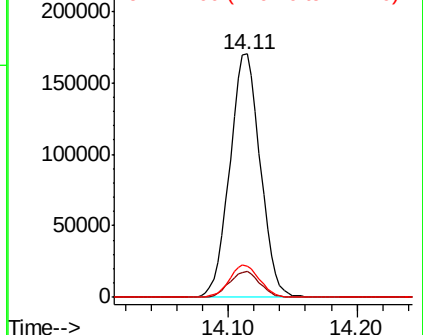
127 13.0 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.279 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VU038836.D

Acq: 11 Jun 2020 20:24

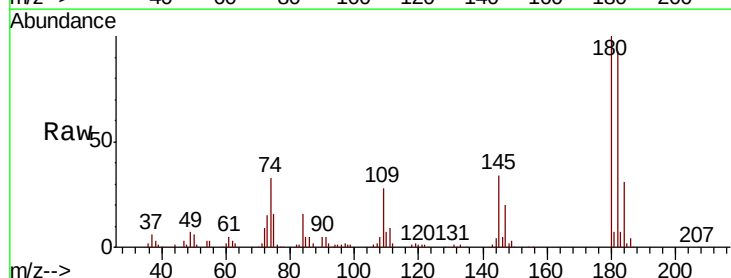
Tgt Ion:180 Resp: 137096

Ion Ratio Lower Upper

180 100

182 93.9 78.7 118.1

145 33.4 27.5 41.3



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

