

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061920\
 Data File : VU038991.D
 Acq On : 19 Jun 2020 18:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jun 20 05:39:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 20 05:37:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	282816	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	277800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	147372	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123705	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.93	69	92838	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.59	63	225604	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	4.67	46	380307	48.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.62%
24) Chloroform-d	5.10	84	213796	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.74	65	123143	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.76	84	420400	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	6.72	67	134032	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	7.92	98	454125	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
43) trans-1,3-Dichloropropene-	8.20	79	73689	5.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	113.80%
46) 2-Hexanone-d5	8.65	63	288750	51.10	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.20%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	121768	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	147492	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	134757	4.658 ug/L	99
3) Chloromethane	1.53	50	135514	4.732 ug/L	100
5) Vinyl chloride	1.62	62	143083	4.789 ug/L	98
6) Bromomethane	1.88	94	60877	5.307 ug/L	97
8) Chloroethane	1.95	64	85423	5.025 ug/L	96
9) Trichlorofluoromethane	2.16	101	174620	4.489 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	104425	4.565 ug/L	99
12) 1,1-Dichloroethene	2.61	96	101098	4.825 ug/L	98
13) Acetone	2.67	43	228122	47.078 ug/L	98
14) Carbon disulfide	2.82	76	340929	4.775 ug/L	99
15) Methyl Acetate	2.99	43	58679	4.875 ug/L	99
16) Methylene chloride	3.08	84	118683	4.605 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	283432	5.104 ug/L	100
18) trans-1,2-Dichloroethene	3.39	96	108009	4.880 ug/L	97
19) 1,1-Dichloroethane	3.91	63	208900	4.888 ug/L	99
21) 2-Butanone	4.75	43	395162	50.553 ug/L	98
22) cis-1,2-Dichloroethene	4.71	96	114188	4.866 ug/L	98

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 Data File : VU038991.D
 Acq On : 19 Jun 2020 18:16
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Quant Time: Jun 20 05:39:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 20 05:37:31 2020
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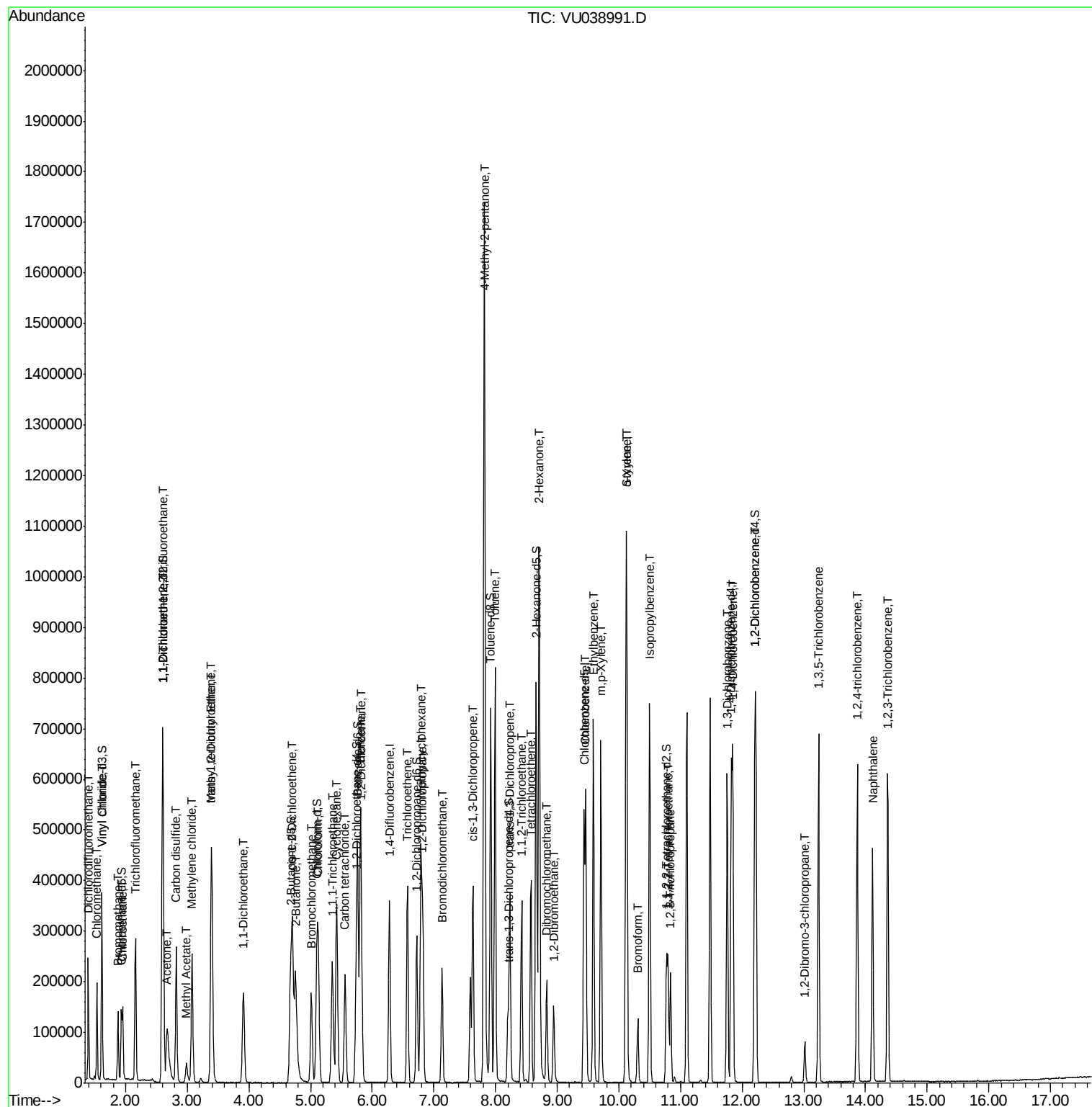
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	53929	5.036	ug/L	90
25) Chloroform	5.12	83	204966	4.864	ug/L	97
27) 1,2-Dichloroethane	5.83	62	145220	4.779	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	177070	4.938	ug/L	99
30) Cyclohexane	5.42	56	173711	4.901	ug/L	99
31) Carbon tetrachloride	5.56	117	144067	4.780	ug/L	98
33) Benzene	5.81	78	448400	4.950	ug/L	100
34) Trichloroethene	6.57	95	125368	5.537	ug/L	99
35) Methylcyclohexane	6.79	83	169793	4.864	ug/L	99
37) 1,2-Dichloropropane	6.82	63	118825	4.864	ug/L	99
38) Bromodichloromethane	7.13	83	148000	4.658	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	217427	5.631	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	1204603	58.153	ug/L	98
42) Toluene	7.99	91	563908	5.570	ug/L	98
44) trans-1,3-Dichloropropene	8.23	75	199768	5.907	ug/L	98
45) 1,1,2-Trichloroethane	8.42	97	108762	5.636	ug/L	97
47) Tetrachloroethene	8.57	164	84230	4.890	ug/L	97
48) 2-Hexanone	8.71	43	699352	50.396	ug/L	97
49) Dibromochloromethane	8.83	129	100045	4.800	ug/L	95
50) 1,2-Dibromoethane	8.94	107	85361	4.767	ug/L	99
51) Chlorobenzene	9.47	112	287566	4.875	ug/L	99
52) Ethylbenzene	9.59	91	488606	4.813	ug/L	100
53) m,p-Xylene	9.71	106	187167	4.901	ug/L	100
54) o-Xylene	10.11	106	180486	4.870	ug/L	96
55) Styrene	10.13	104	324015	5.093	ug/L	99
56) Isopropylbenzene	10.50	105	478043	4.978	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	120612	5.091	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	88760	5.047	ug/L	98
61) Bromoform	10.31	173	56176	4.669	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	235168	4.892	ug/L	98
63) 1,4-Dichlorobenzene	11.85	146	242897	4.916	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	224946	4.878	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	19707	4.577	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	194435	5.285	ug/L	99
68) 1,2,4-trichlorobenzene	13.87	180	181667	5.566	ug/L	98
69) Naphthalene	14.11	128	347918	5.808	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	178904	5.740	ug/L	98

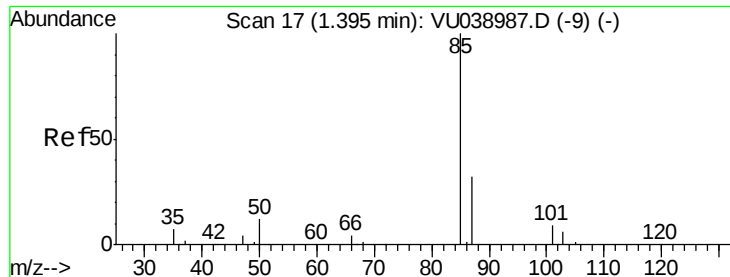
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VU038991.D
Acq On : 19 Jun 2020 18:16
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Sample : VSTDCCC005
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Quant Time: Jun 20 05:39:28 2020
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#2

Dichlorodifluoromethane

Concen: 4.658 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

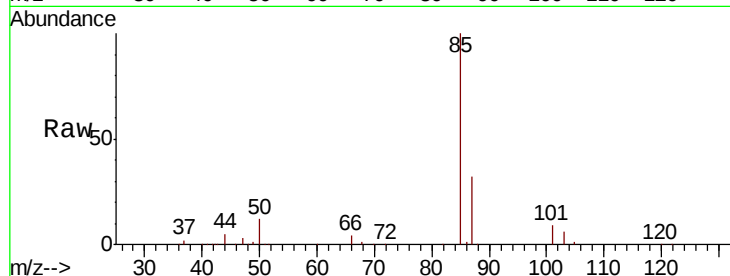
VSTD00509

Tot Ion: 85 Resp: 134757

Ion Ratio Lower Upper

85 100

87 32.0 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038987.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038987.D (-9) (-)

1.39

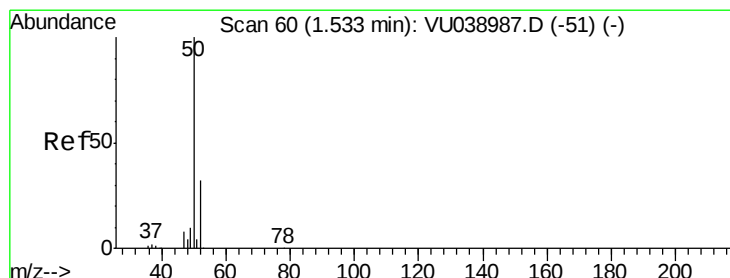
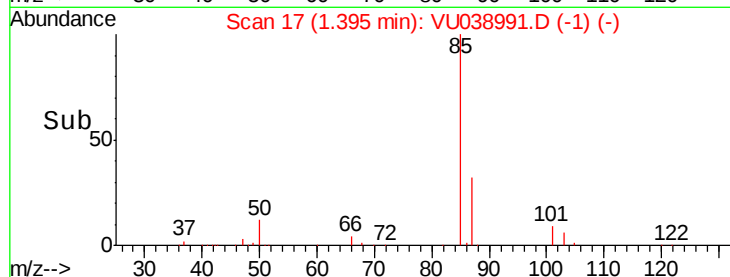
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.732 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038991.D

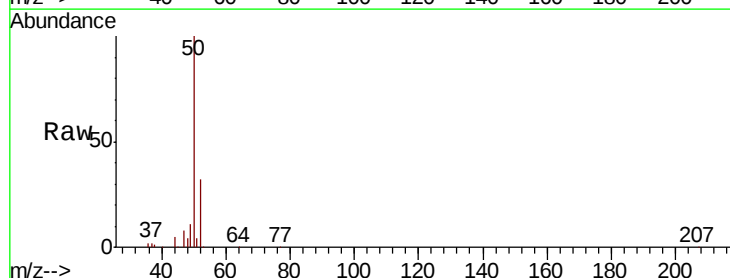
Acq: 19 Jun 2020 18:16

Tgt Ion: 50 Resp: 135514

Ion Ratio Lower Upper

50 100

52 32.2 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VU038987.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU038987.D (-51) (-)

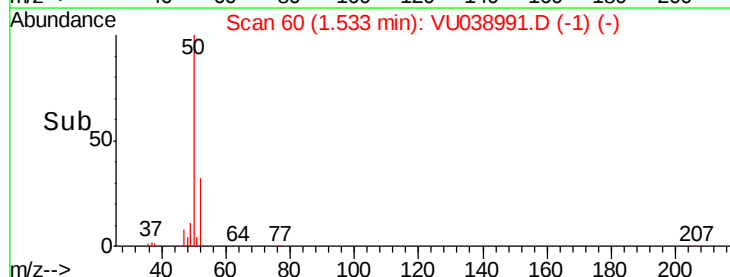
1.53

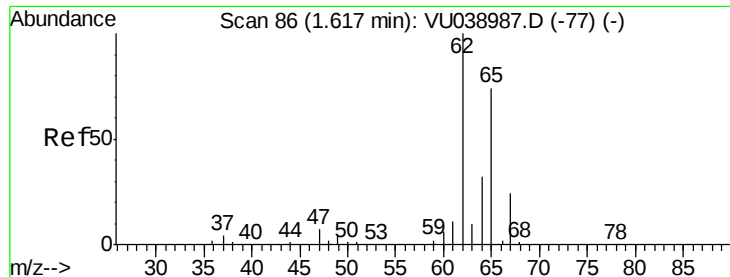
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.789 ug/L

RT: 1.62 min Scan# 86

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

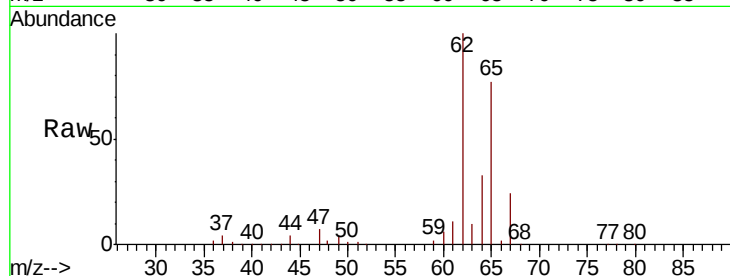
VSTD00509

Tot Ion: 62 Resp: 143083

Ion Ratio Lower Upper

62 100

64 33.1 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU038987.D (-77) (-)

Ion 64.10 (63.80 to 64.80): VU038987.D (-77) (-)

1.62

150000

100000

50000

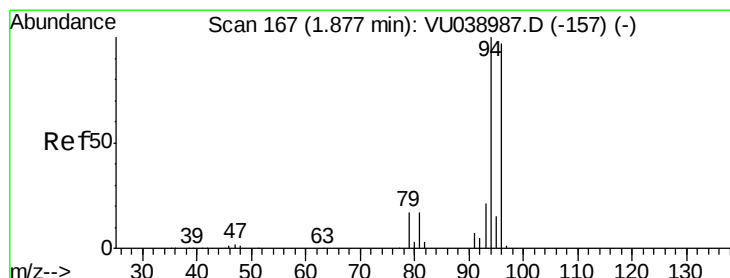
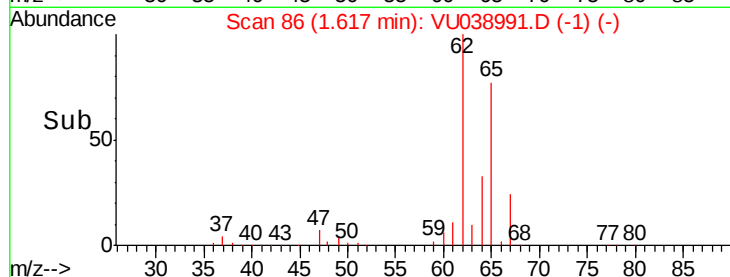
0

Time-->

1.55

1.60

1.65



#6

Bromomethane

Concen: 5.307 ug/L

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU038991.D

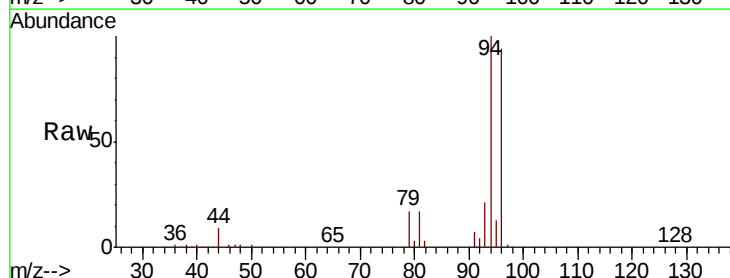
Acq: 19 Jun 2020 18:16

Tgt Ion: 94 Resp: 60877

Ion Ratio Lower Upper

94 100

96 94.2 68.0 126.4



Abundance Ion 94.00 (93.70 to 94.70): VU038987.D (-157) (-)

Ion 96.00 (95.70 to 96.70): VU038987.D (-157) (-)

1.88

50000

40000

30000

20000

10000

0

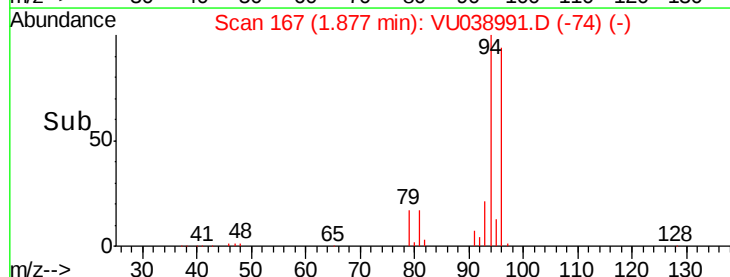
Time-->

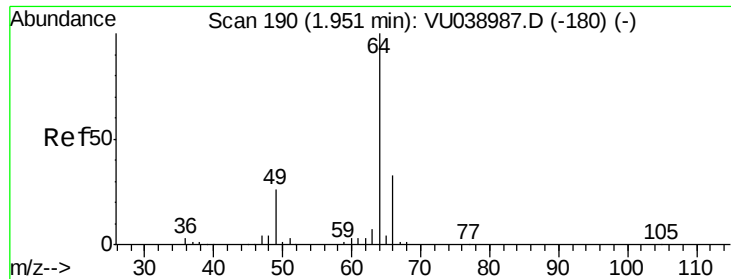
1.80

1.85

1.90

1.95





#8

Chloroethane

Concen: 5.025 ug/L

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

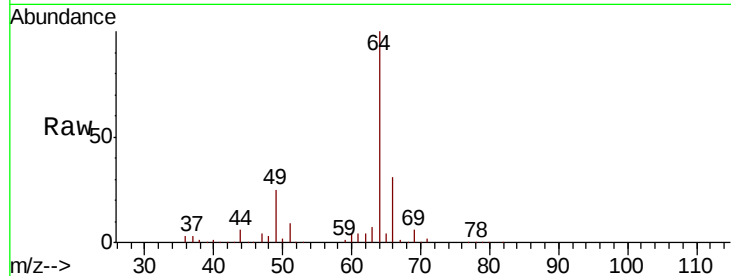
VSTD00509

Tot Ion: 64 Resp: 85423

Ion Ratio Lower Upper

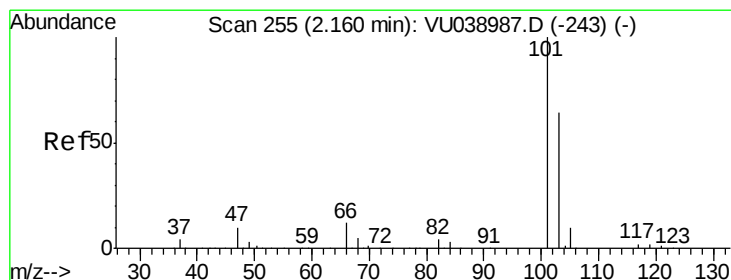
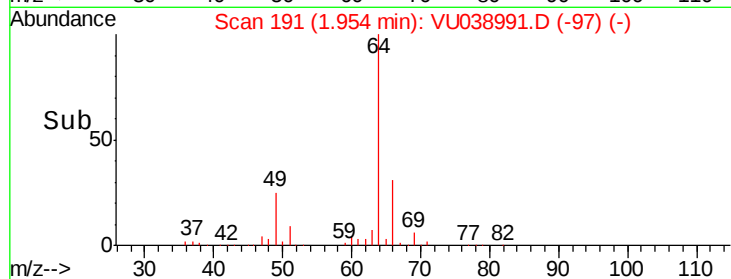
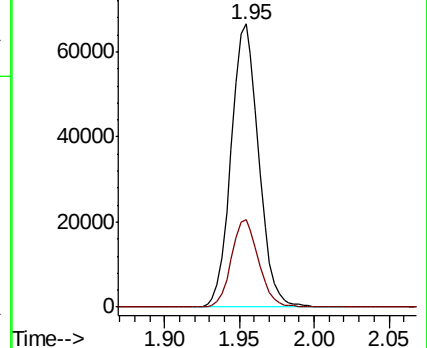
64 100

66 31.1 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU038987.D (-180) (-)

Ion 66.05 (65.75 to 66.75): VU038987.D (-180) (-)



#9

Trichlorofluoromethane

Concen: 4.489 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038991.D

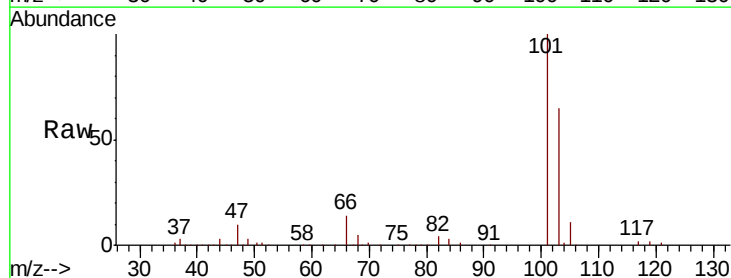
Acq: 19 Jun 2020 18:16

Tgt Ion:101 Resp: 174620

Ion Ratio Lower Upper

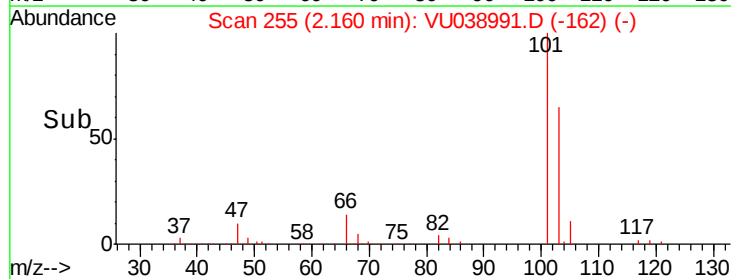
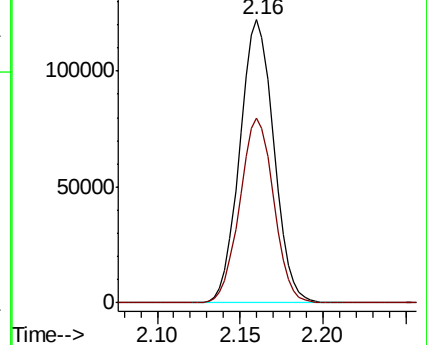
101 100

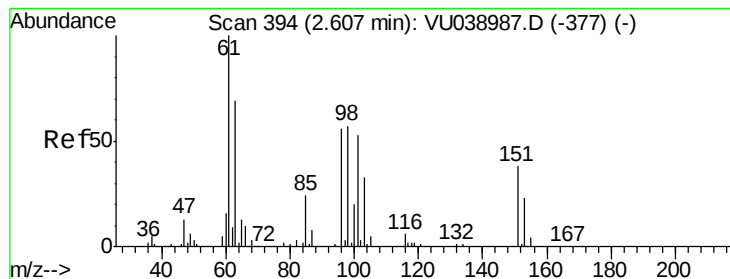
103 64.9 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU038987.D (-243) (-)

Ion 103.00 (102.70 to 103.70): VU038987.D (-243) (-)





#10

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

Concen: 4.565 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

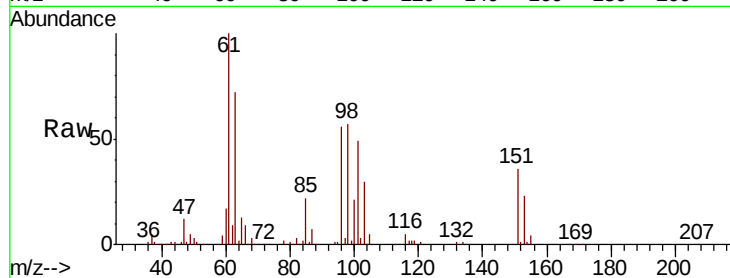
Tot Ion:101 Resp: 104425

Ion Ratio Lower Upper

101 100

85 43.9 36.1 54.1

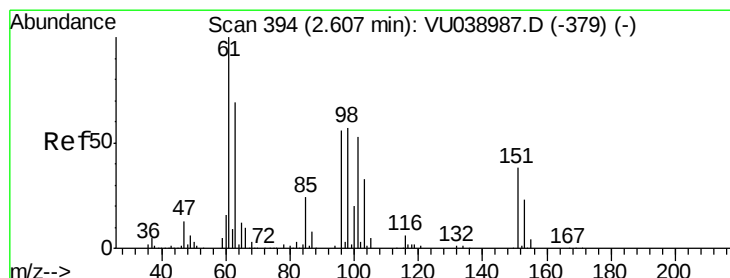
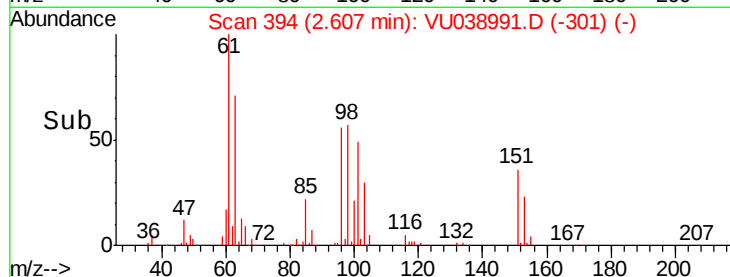
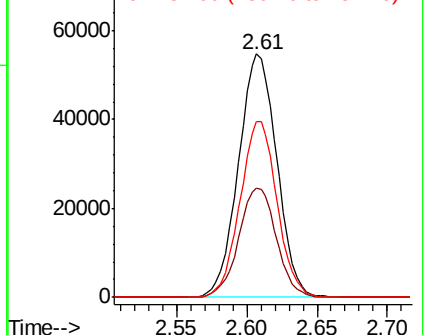
151 69.5 56.2 84.4



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: 4.825 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

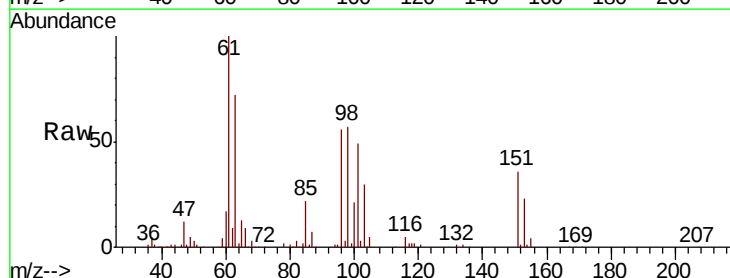
Tgt Ion: 96 Resp: 101098

Ion Ratio Lower Upper

96 100

61 177.5 126.0 234.0

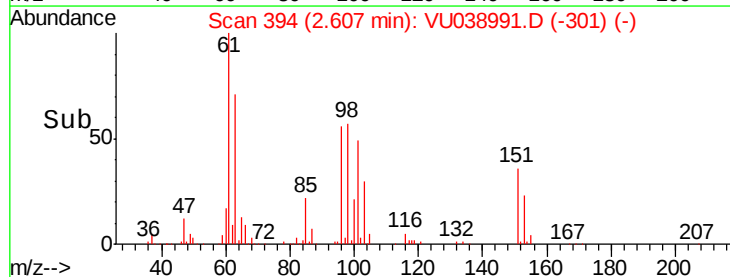
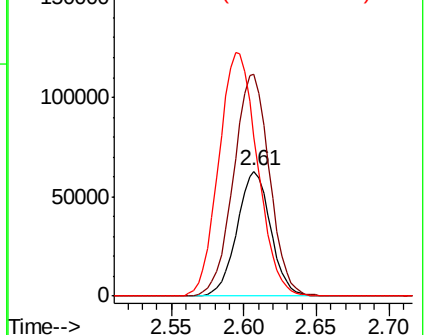
63 127.0 87.2 162.0

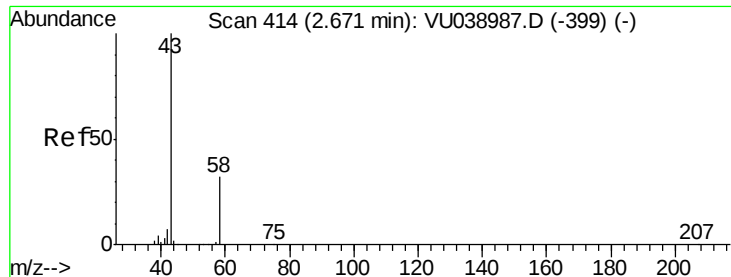


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 47.078 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

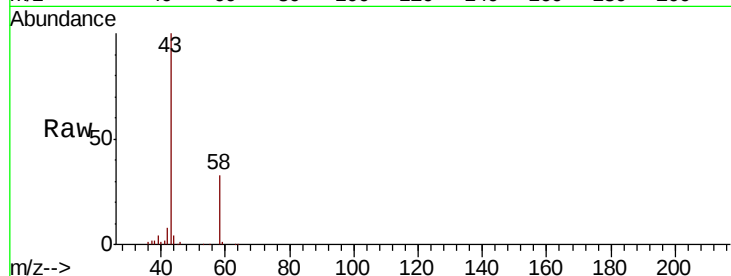
VSTD00509

Tot Ion: 43 Resp: 228122

Ion Ratio Lower Upper

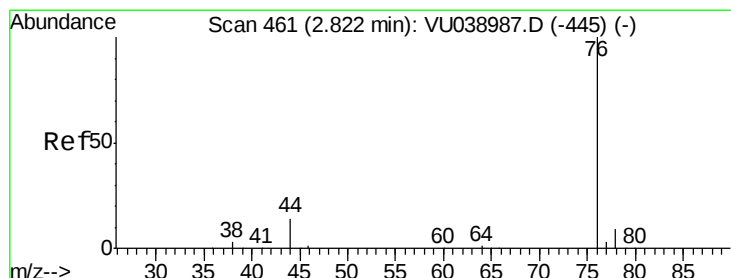
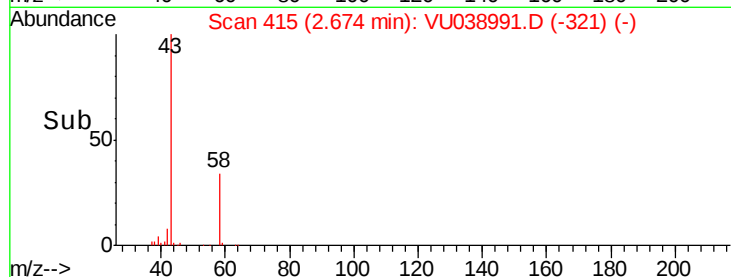
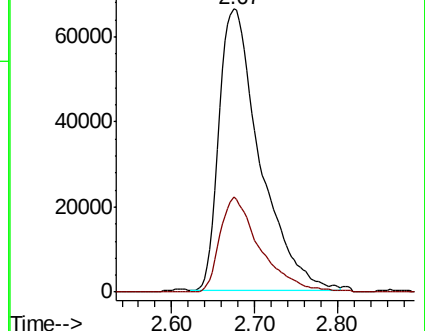
43 100

58 33.4 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU038987.D (-399) (-)

Ion 58.05 (57.75 to 58.75): VU038987.D (-399) (-)



#14

Carbon disulfide

Concen: 4.775 ug/L

RT: 2.82 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU038991.D

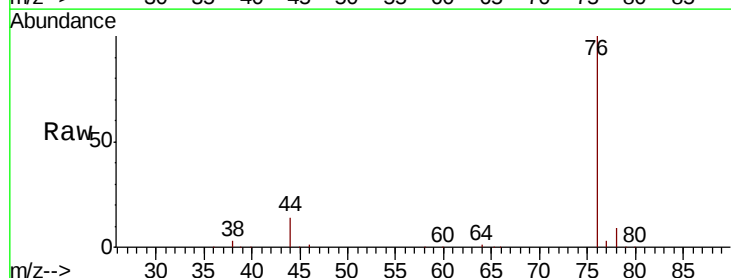
Acq: 19 Jun 2020 18:16

Tgt Ion: 76 Resp: 340929

Ion Ratio Lower Upper

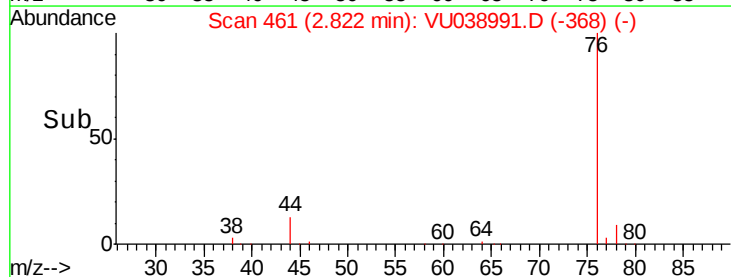
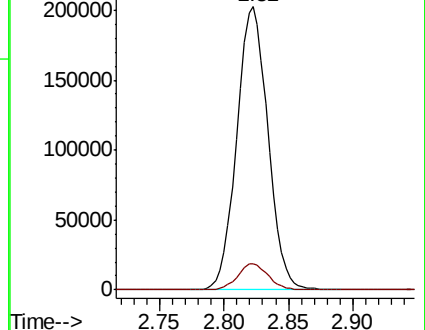
76 100

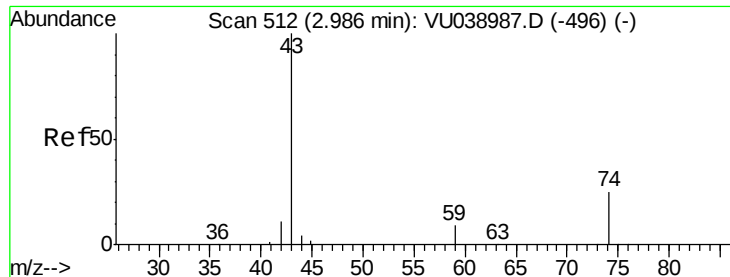
78 9.2 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU038987.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU038987.D (-445) (-)

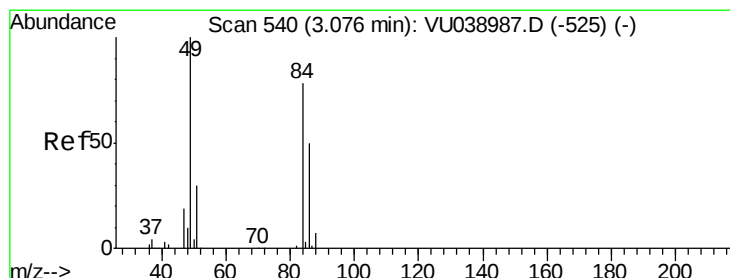
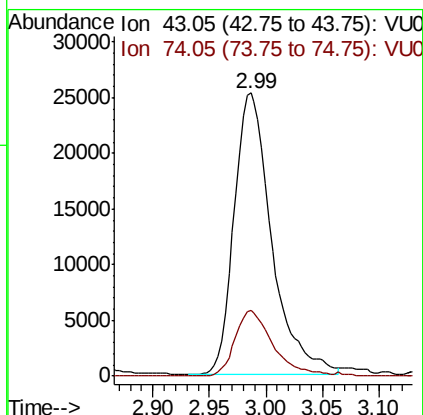
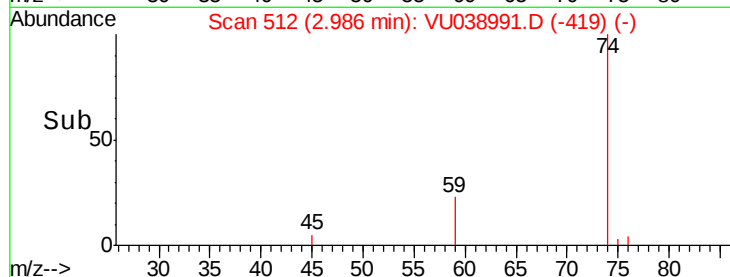
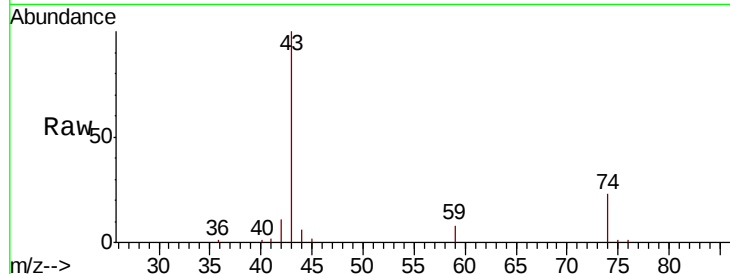




#15
Methyl Acetate
Concen: 4.875 ug/L
RT: 2.99 min Scan# 512
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

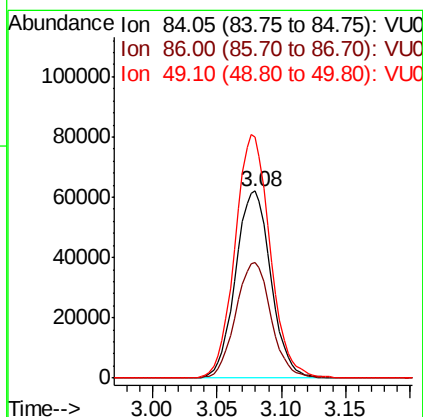
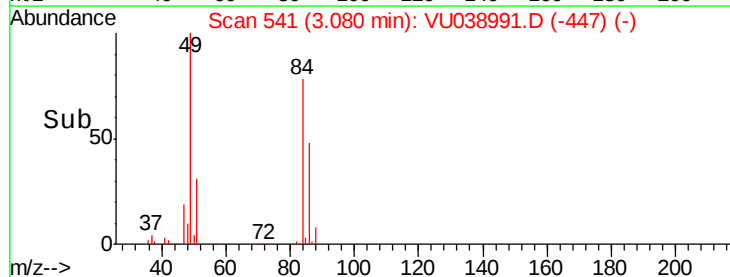
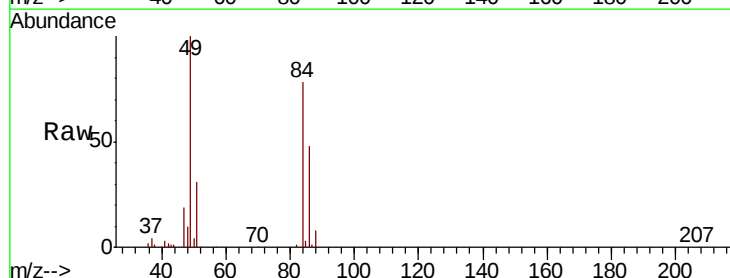
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

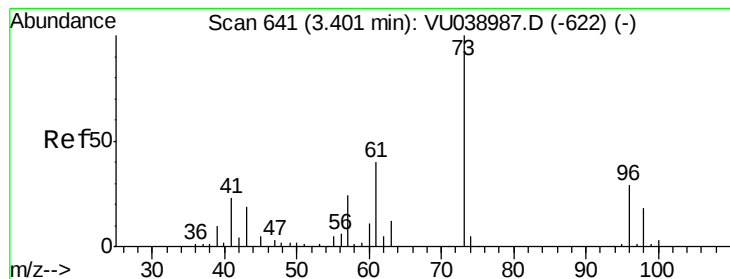
Tot Ion: 43 Resp: 58679
Ion Ratio Lower Upper
43 100
74 23.5 19.3 28.9



#16
Methylene chloride
Concen: 4.605 ug/L
RT: 3.08 min Scan# 541
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Tgt Ion: 84 Resp: 118683
Ion Ratio Lower Upper
84 100
86 61.8 45.1 83.7
49 128.7 90.3 167.7



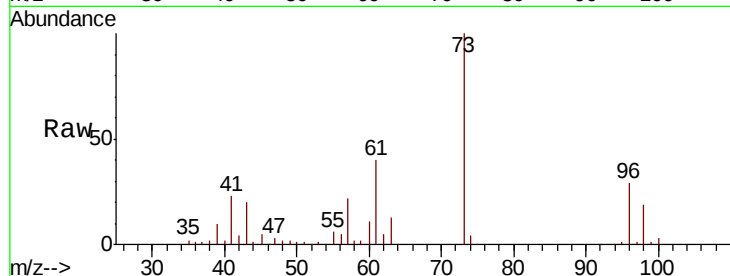


#17

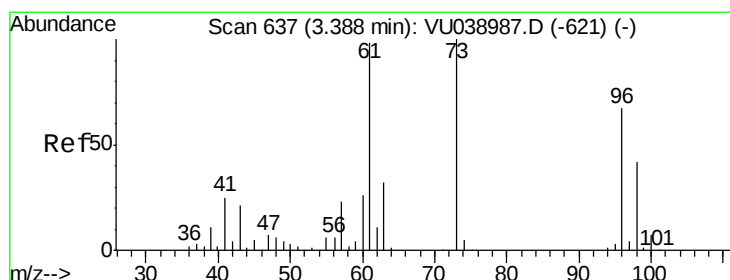
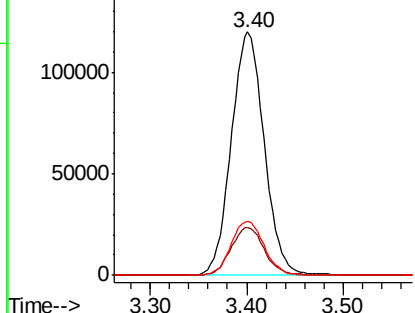
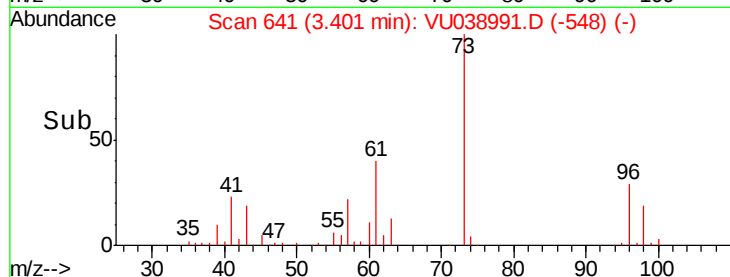
Methvl tert-butvl Ether
 Concen: 5.104 ug/L
 RT: 3.40 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 73 Resp: 283432
 Ion Ratio Lower Upper
 73 100
 43 20.3 16.3 24.5
 57 22.4 18.1 27.1



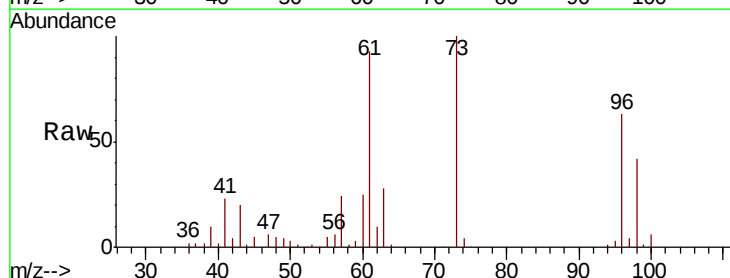
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



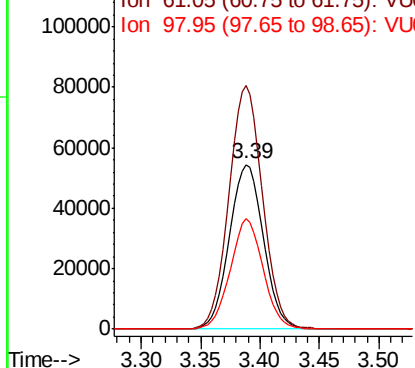
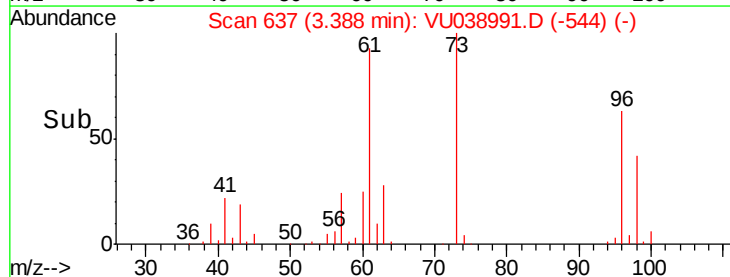
#18

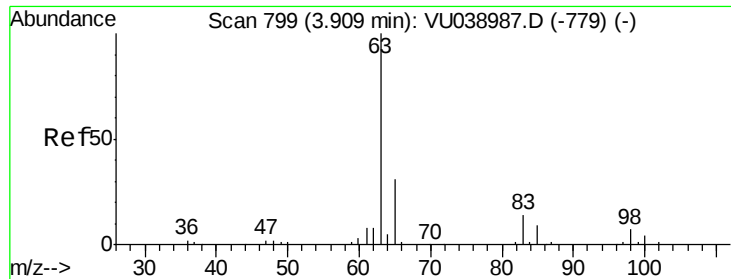
trans-1,2-Dichloroethene
 Concen: 4.880 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 96 Resp: 108009
 Ion Ratio Lower Upper
 96 100
 61 147.8 101.8 189.2
 98 67.1 44.0 81.6



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

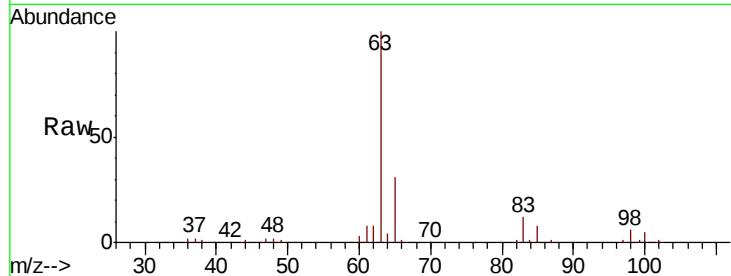




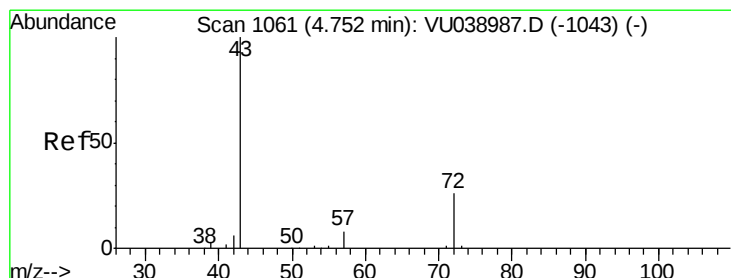
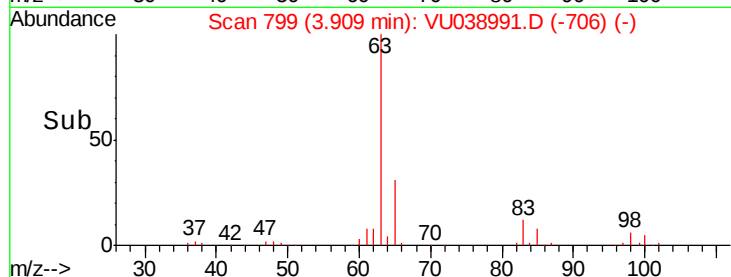
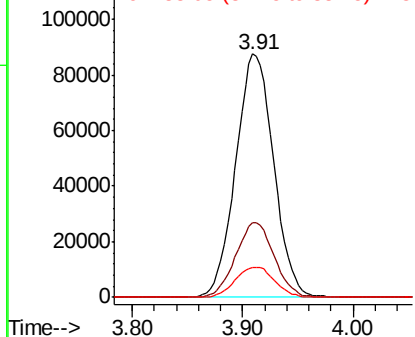
#19
 1,1-Dichloroethane
 Concen: 4.888 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion: 63 Resp: 208900
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.5 39.9
 83 12.2 9.6 17.8

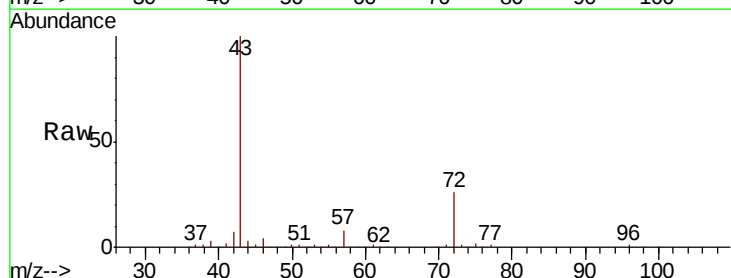


Abundance Ion 63.10 (62.80 to 63.80): VU0
 120000 Ion 65.10 (64.80 to 65.80): VU0
 100000 Ion 83.05 (82.75 to 83.75): VU0

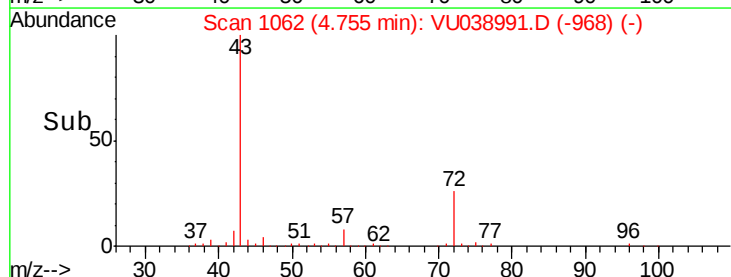
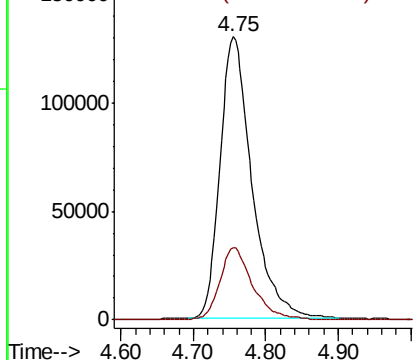


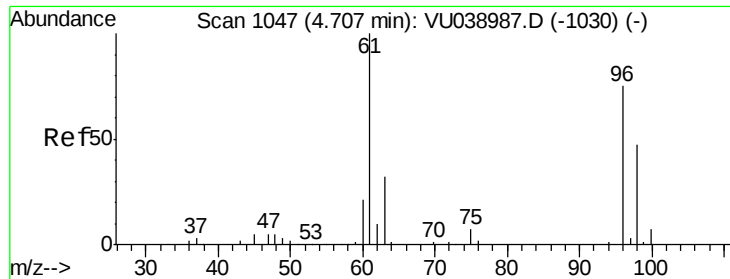
#21
 2-Butanone
 Concen: 50.553 ug/L
 RT: 4.75 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 43 Resp: 395162
 Ion Ratio Lower Upper
 43 100
 72 26.9 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VU0
 150000 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 4.866 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

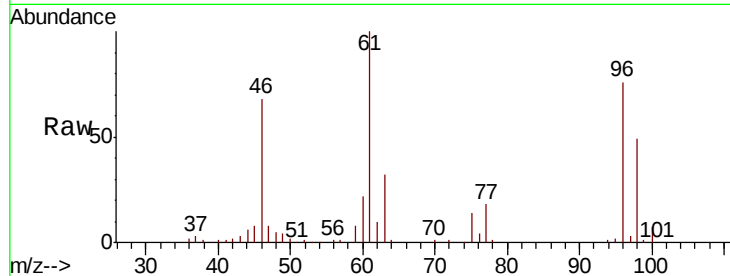
Tot Ion: 96 Resp: 114188

Ion Ratio Lower Upper

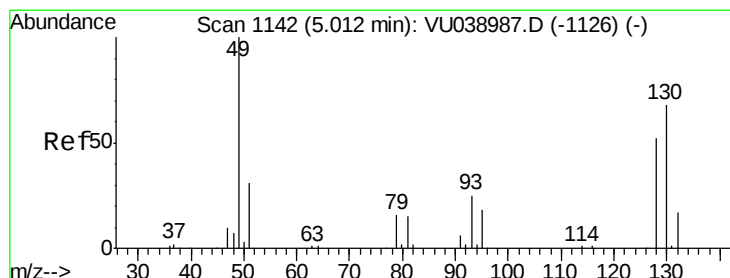
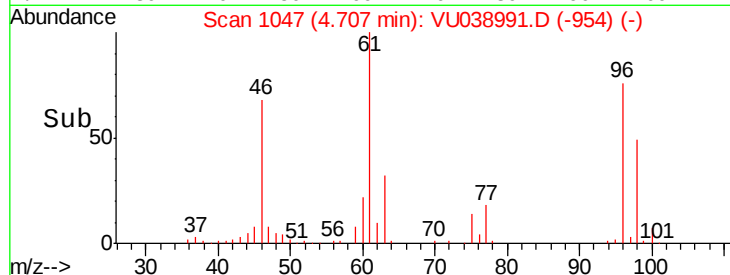
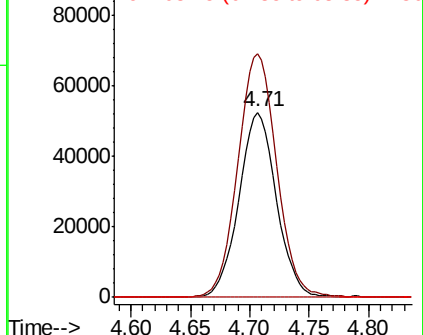
96 100

61 131.5 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: 5.036 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Tgt Ion:128 Resp: 53929

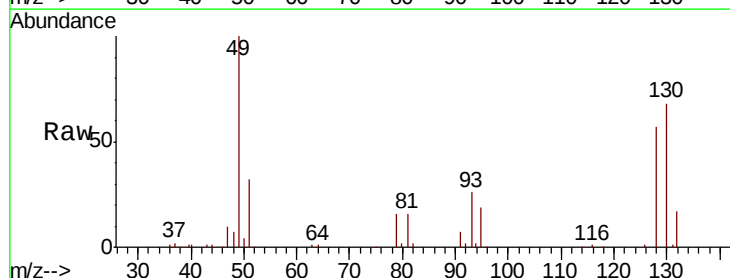
Ion Ratio Lower Upper

128 100

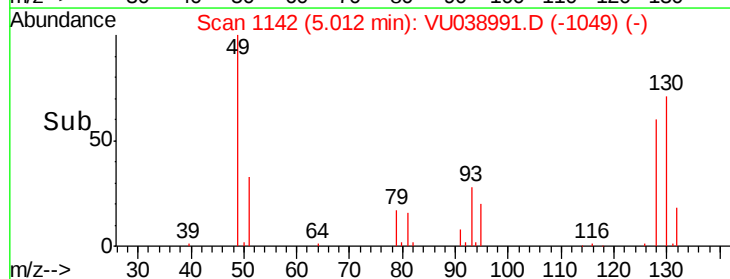
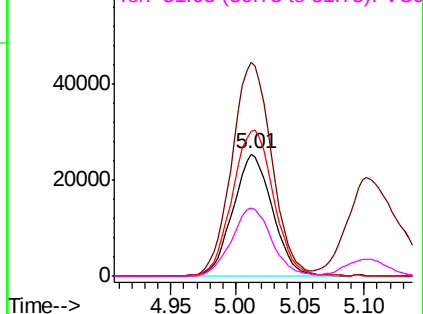
49 175.0 134.5 249.9

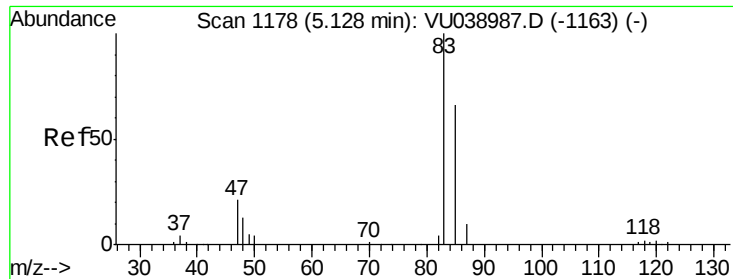
130 118.5 91.6 170.2

51 56.1 47.4 71.0



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

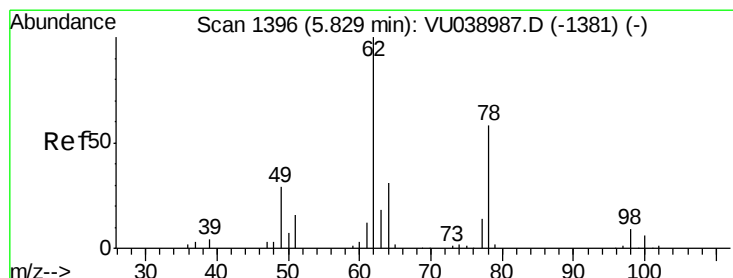
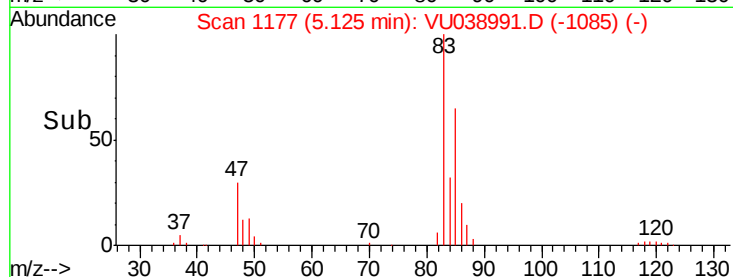
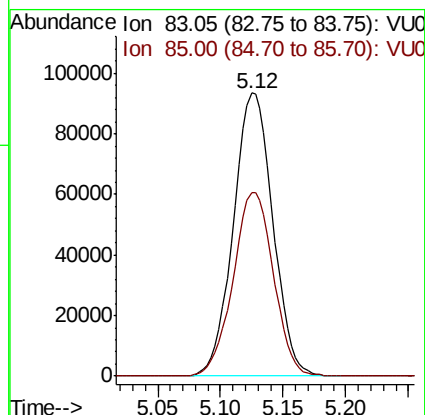
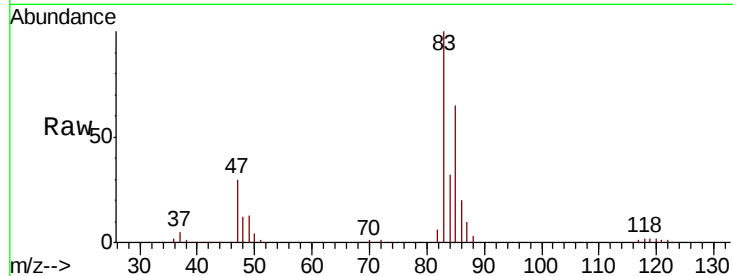




#25
Chloroform
Concen: 4.864 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

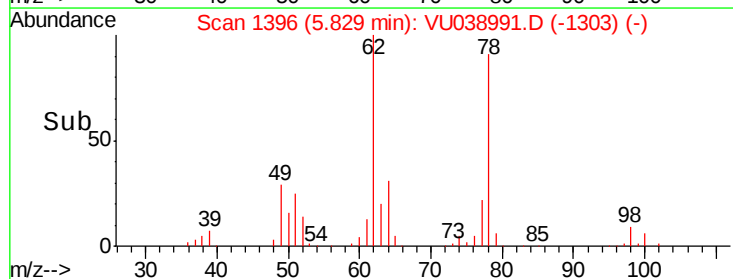
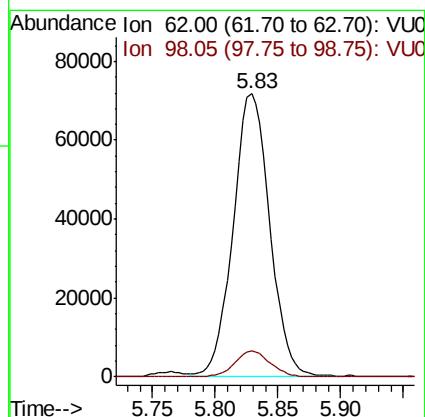
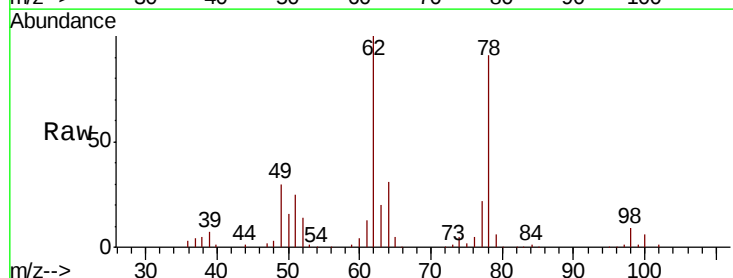
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

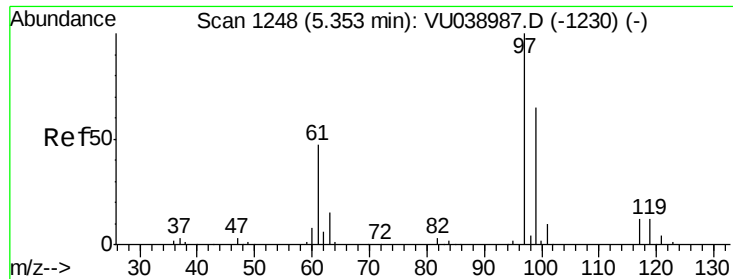
Tot Ion: 83 Resp: 204966
Ion Ratio Lower Upper
83 100
85 64.9 47.0 87.2



#27
1,2-Dichloroethane
Concen: 4.779 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Tgt Ion: 62 Resp: 145220
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8

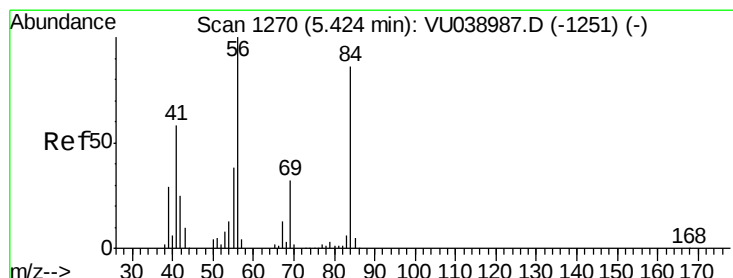
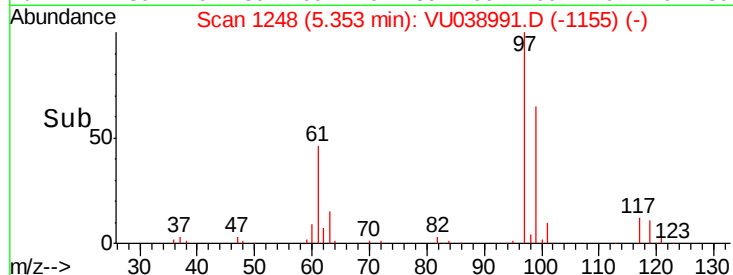
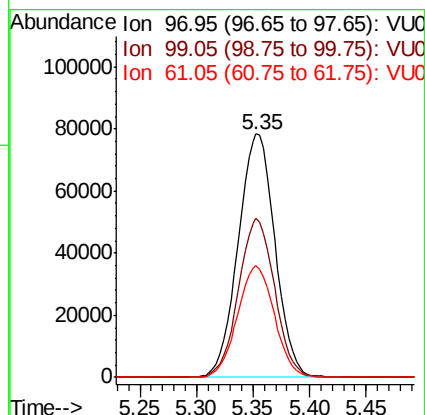
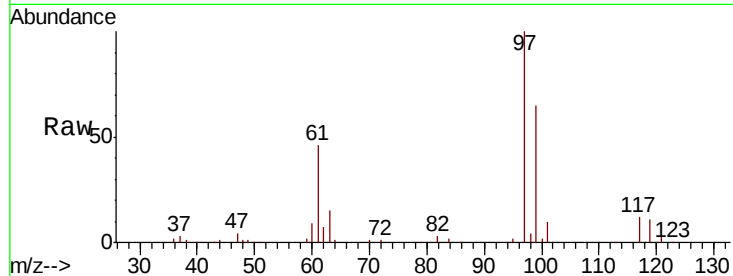




#29
 1,1,1-Trichloroethane
 Concen: 4.938 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

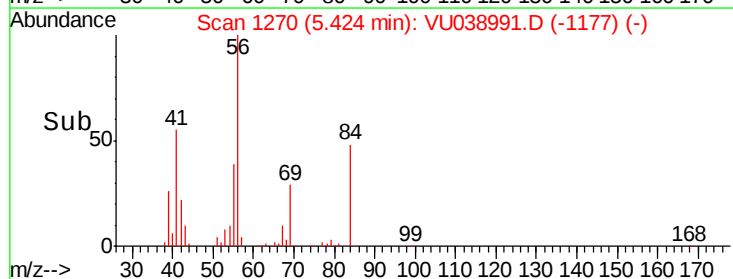
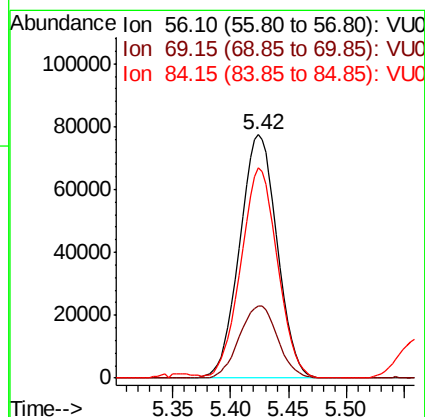
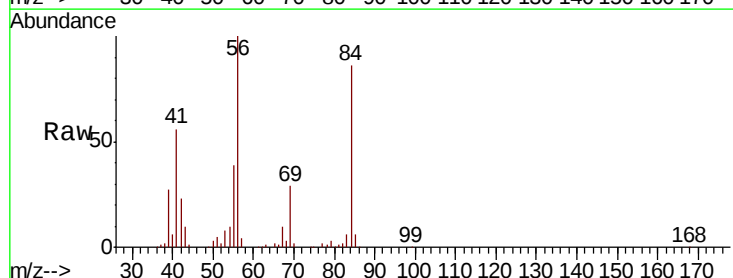
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

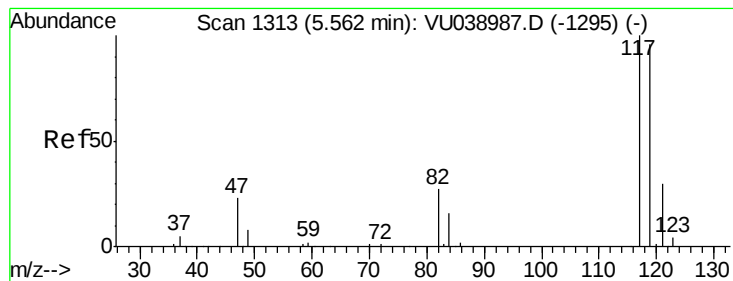
Tot Ion: 97 Resp: 177070
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.2 78.4
 61 46.0 36.9 55.3



#30
 Cyclohexane
 Concen: 4.901 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 56 Resp: 173711
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 37.0
 84 84.7 66.8 100.2





#31

Carbon tetrachloride

Concen: 4.780 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

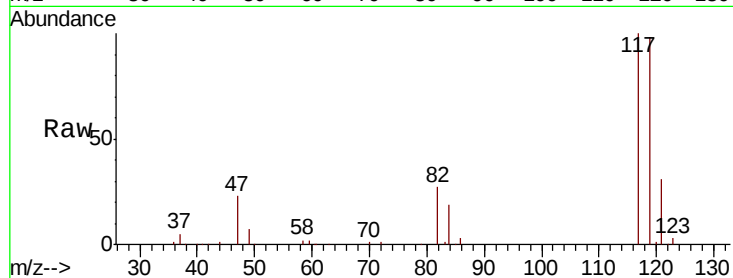
VSTD00509

Tot Ion:117 Resp: 144067

Ion Ratio Lower Upper

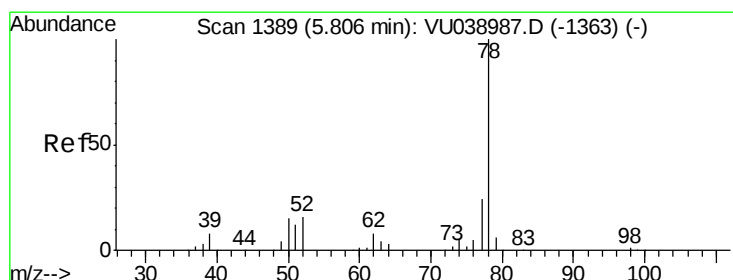
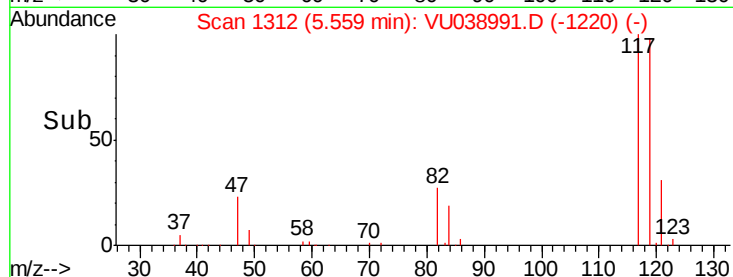
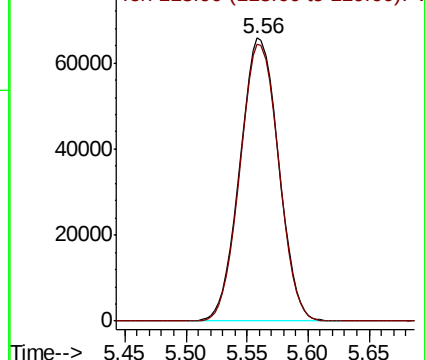
117 100

119 97.5 76.6 114.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.950 ug/L

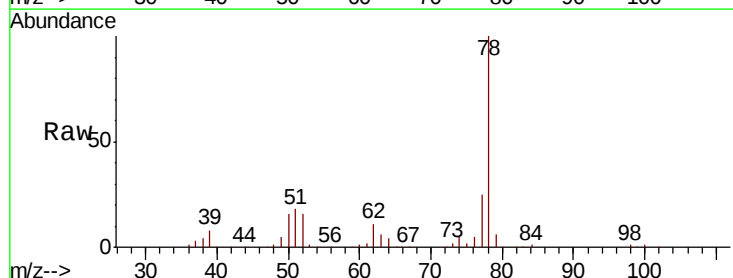
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

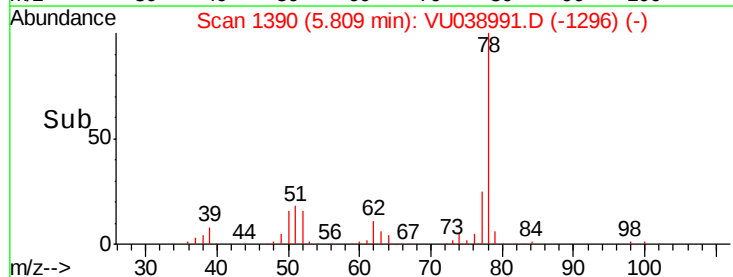
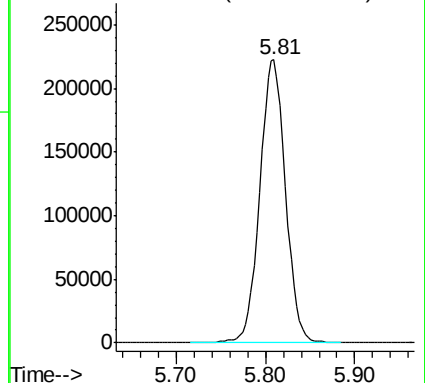
Lab File: VU038991.D

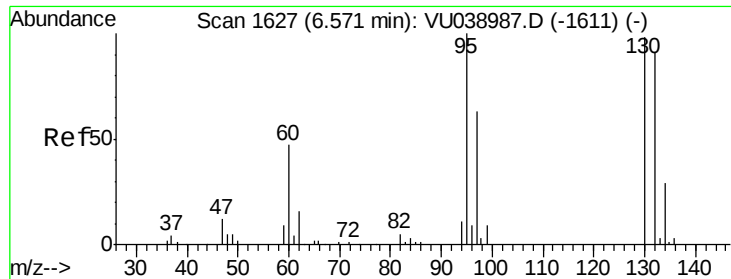
Acq: 19 Jun 2020 18:16

Tgt Ion: 78 Resp: 448400



Abundance Ion 78.10 (77.80 to 78.80): VU0

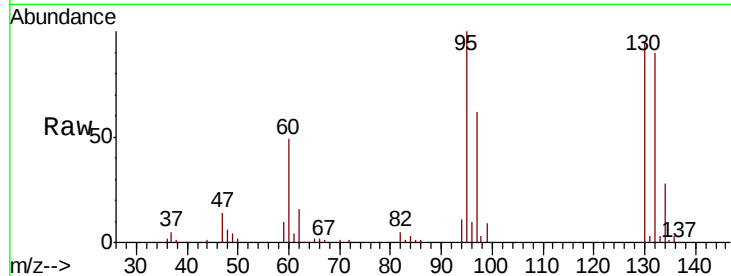




#34
 Trichloroethene
 Concen: 5.537 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00509

Tot Ion:	95	Resp:	125368
Ion	Ratio	Lower	Upper
95	100		
97	62.2	44.0	81.6
132	90.1	63.6	118.0
130	94.8	68.3	126.8



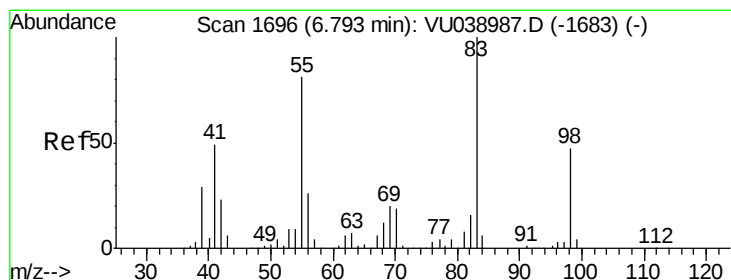
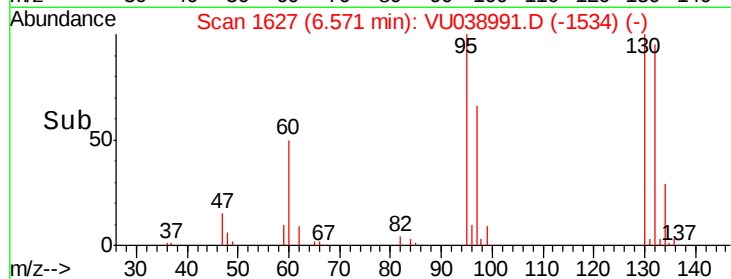
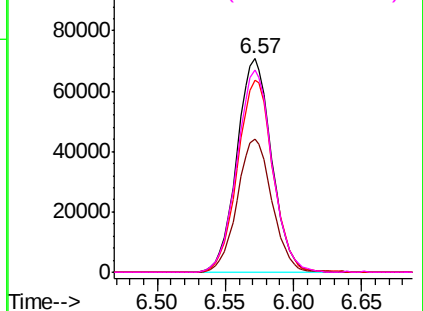
Abundance

Ion 95.00 (94.70 to 95.70): VU038991.D (-1611) (-)

Ion 96.95 (96.65 to 97.65): VU038991.D (-1611) (-)

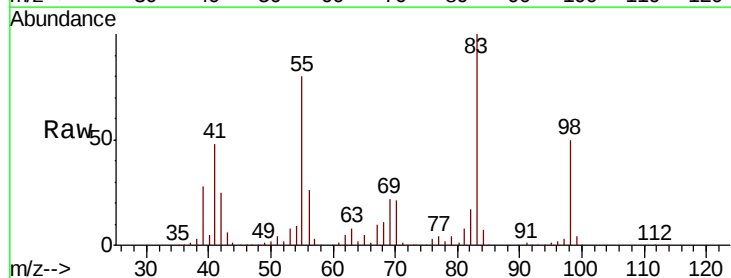
Ion 131.95 (131.65 to 132.65): VU038991.D (-1611) (-)

Ion 129.95 (129.65 to 130.65): VU038991.D (-1611) (-)



#35
 Methylcyclohexane
 Concen: 4.864 ug/L
 RT: 6.79 min Scan# 1696
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion:	83	Resp:	169793
Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.2	96.2
98	48.0	37.3	55.9

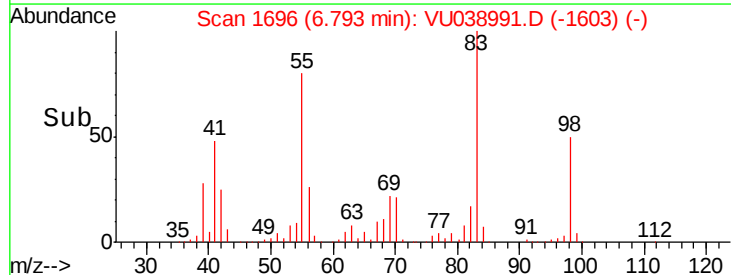
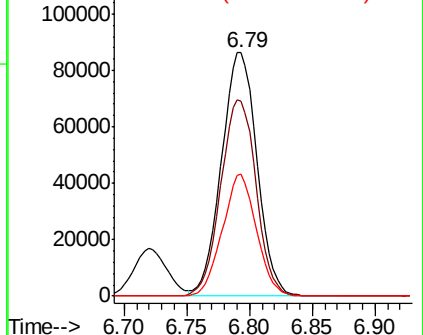


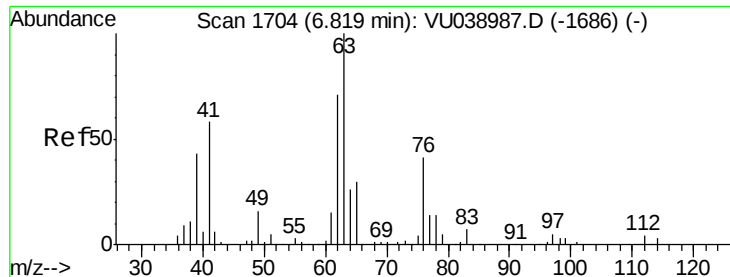
Abundance

Ion 83.15 (82.85 to 83.85): VU038991.D (-1683) (-)

Ion 55.10 (54.80 to 55.80): VU038991.D (-1683) (-)

Ion 98.15 (97.85 to 98.85): VU038991.D (-1683) (-)

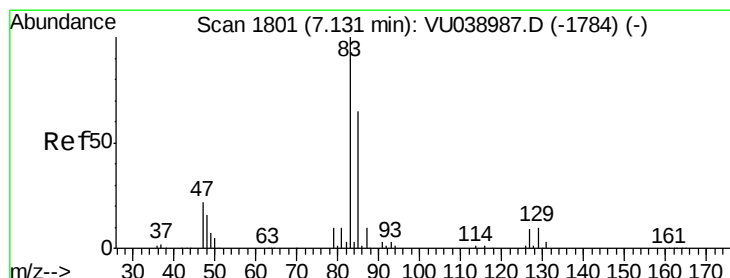
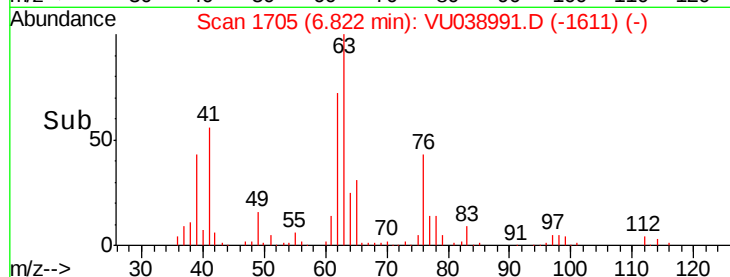
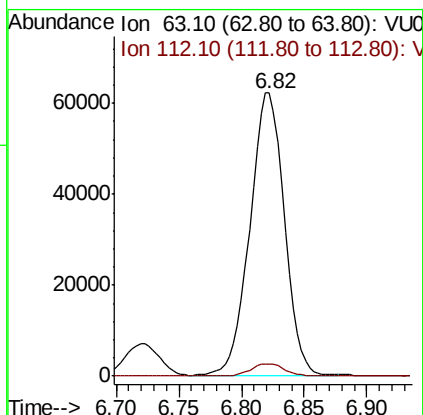
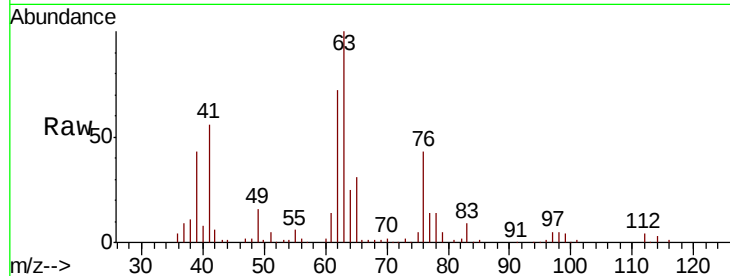




#37
 1,2-Dichloropropane
 Concen: 4.864 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

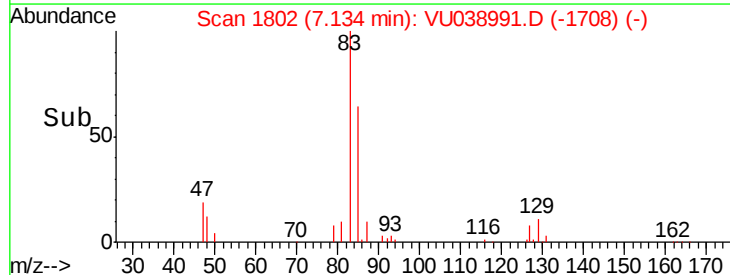
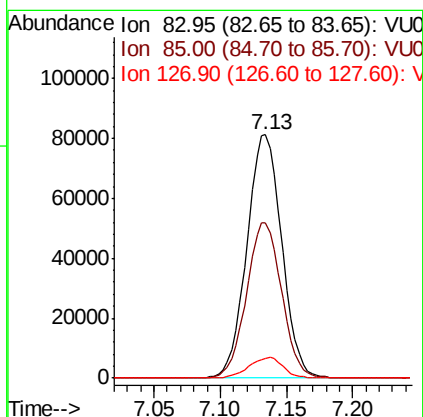
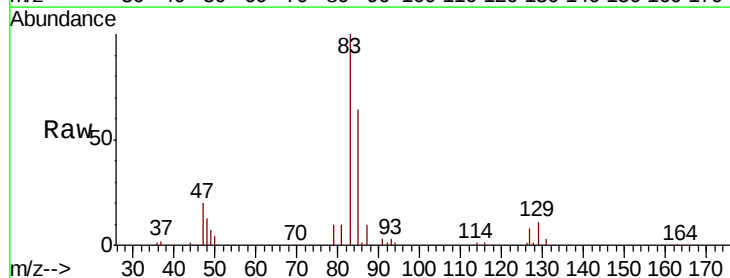
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

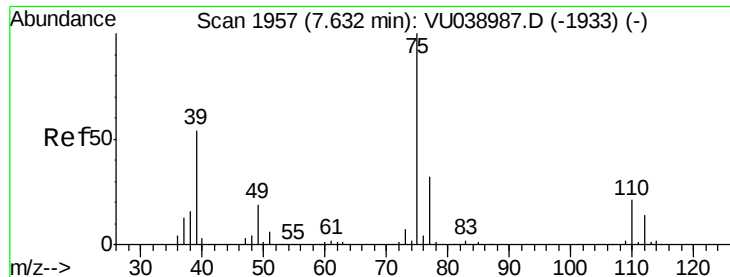
Tot Ion: 63 Resp: 118825
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.658 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 83 Resp: 148000
 Ion Ratio Lower Upper
 83 100
 85 63.6 45.5 84.5
 127 8.2 6.8 10.2

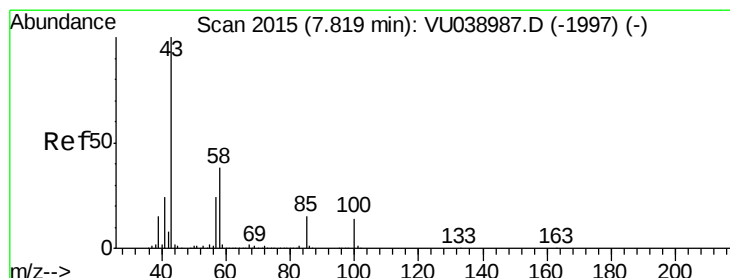
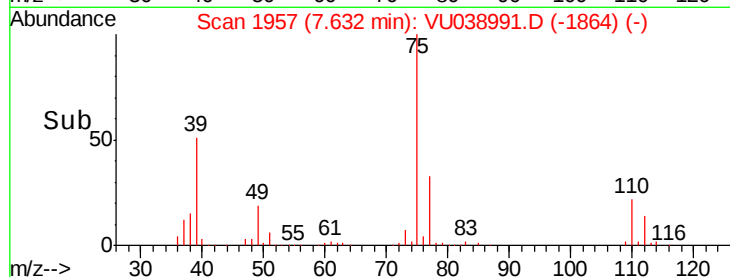
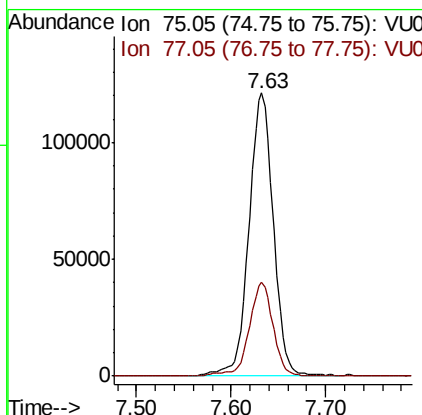
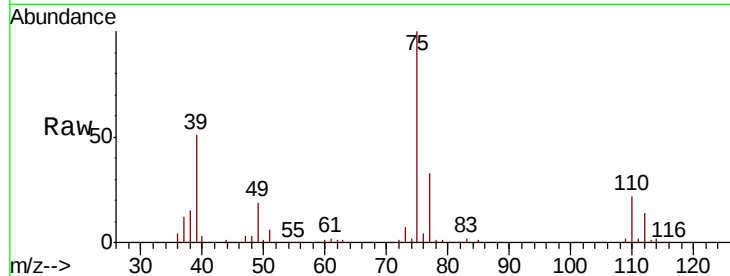




#39
 cis-1,3-Dichloropropene
 Concen: 5.631 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

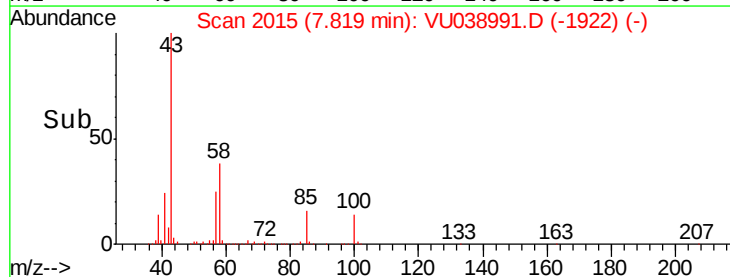
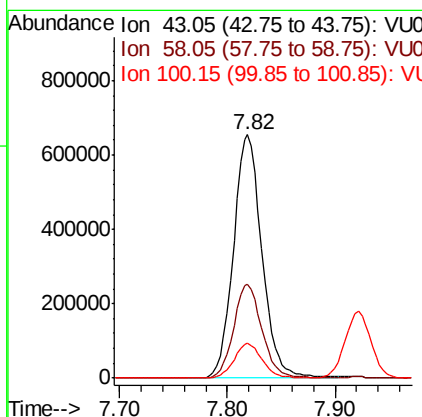
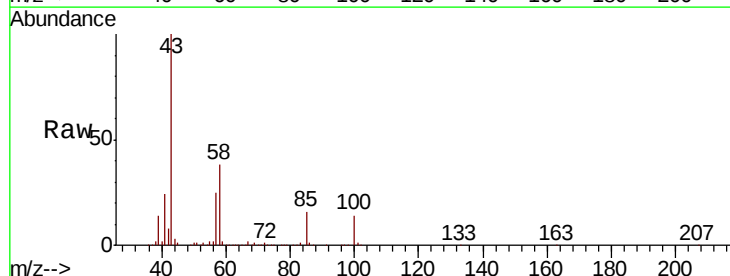
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

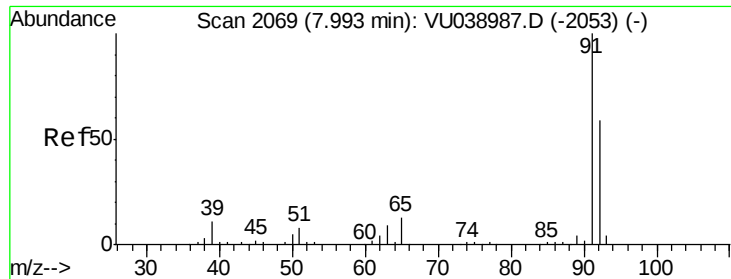
Tot Ion: 75 Resp: 217427
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 58.153 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 43 Resp: 1204603
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.5 44.3
 100 14.1 11.0 16.4





#42

Toluene

Concen: 5.570 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

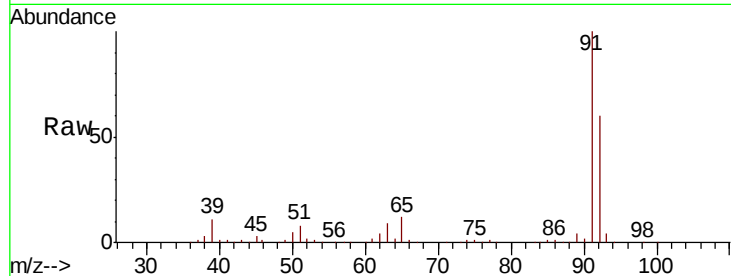
VSTD00509

Tot Ion: 91 Resp: 563908

Ion Ratio Lower Upper

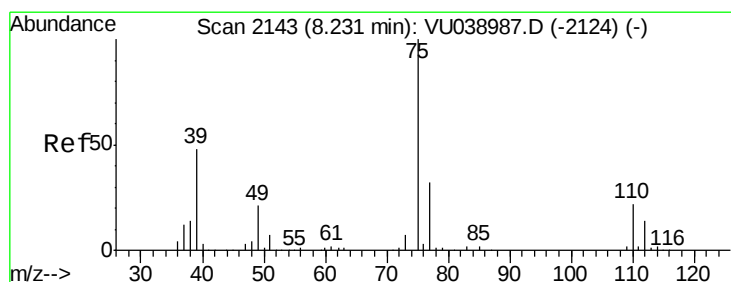
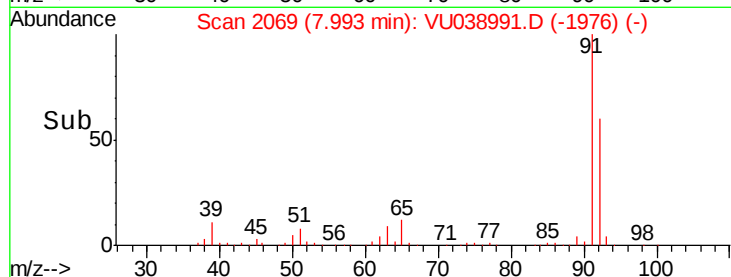
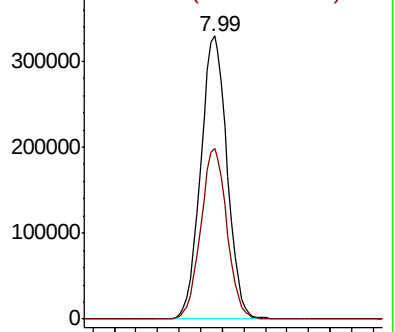
91 100

92 60.2 41.2 76.6



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: 5.907 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU038991.D

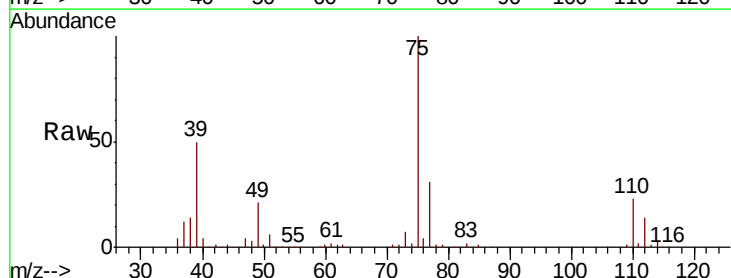
Acq: 19 Jun 2020 18:16

Tgt Ion: 75 Resp: 199768

Ion Ratio Lower Upper

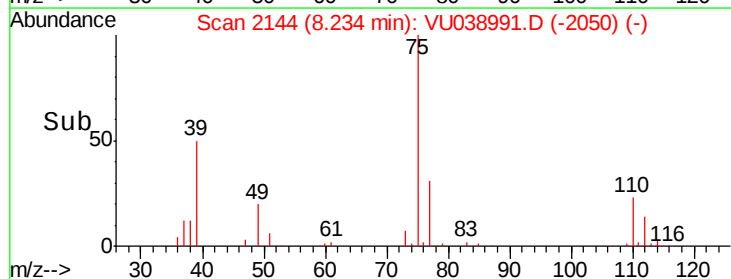
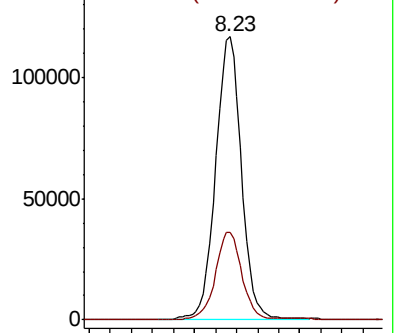
75 100

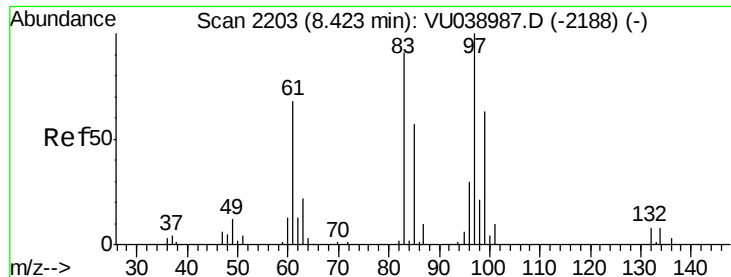
77 31.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

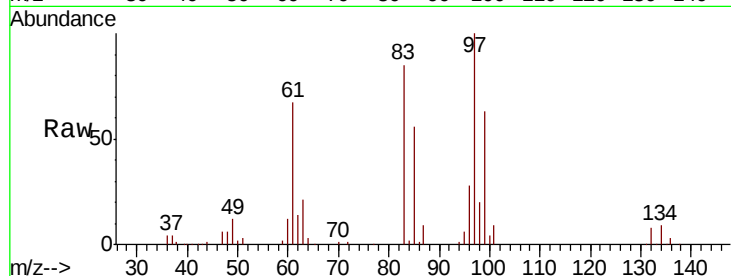




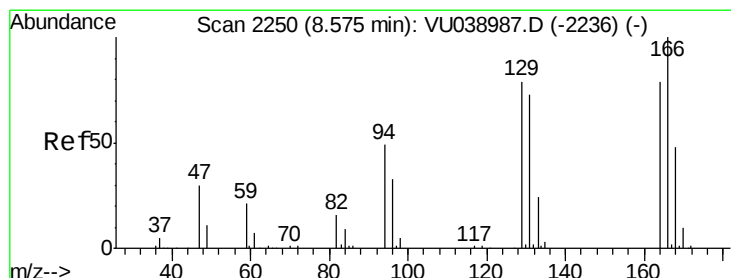
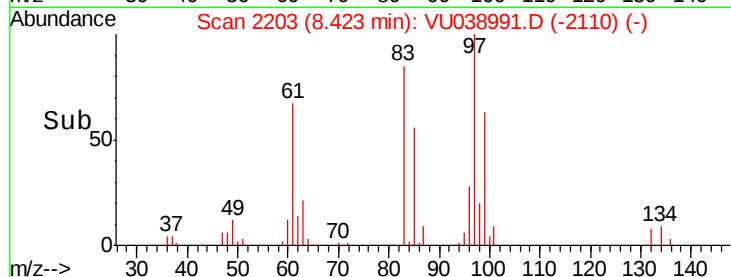
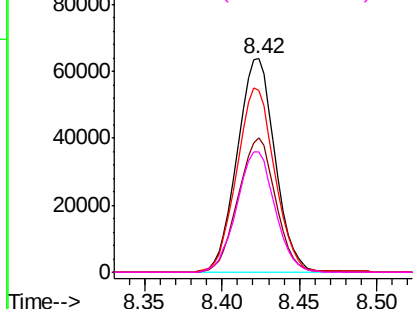
#45
 1,1,2-Trichloroethane
 Concen: 5.636 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion:	97	Resp:	108762
Ion	Ratio	Lower	Upper
97	100		
99	62.9	44.0	81.8
83	85.2	63.6	118.0
85	56.3	39.7	73.7

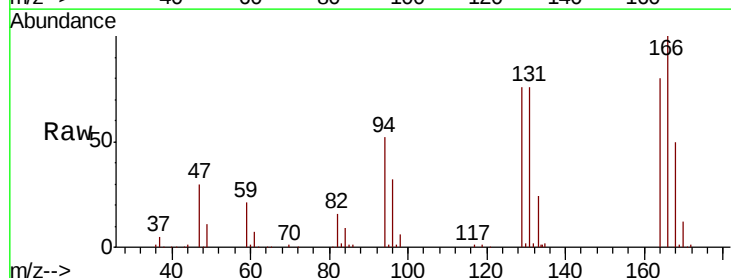


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 85.00 (84.70 to 85.70): VU0

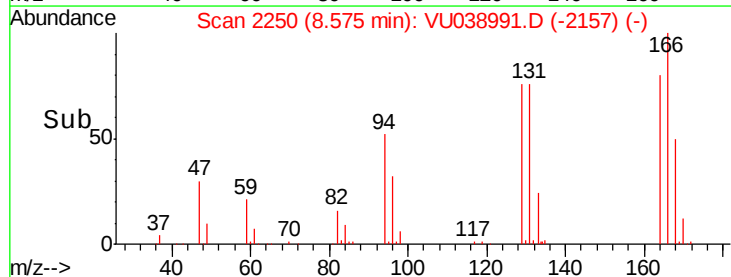
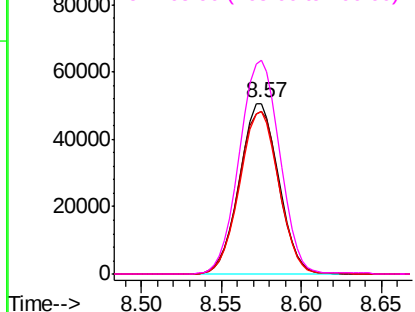


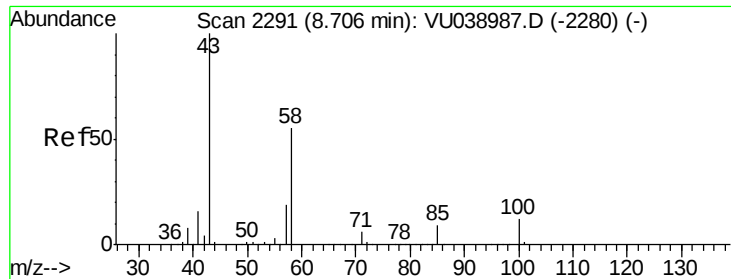
#47
 Tetrachloroethene
 Concen: 4.890 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion:	164	Resp:	84230
Ion	Ratio	Lower	Upper
164	100		
129	95.3	69.7	129.5
131	95.3	65.0	120.8
166	125.1	88.5	164.4



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

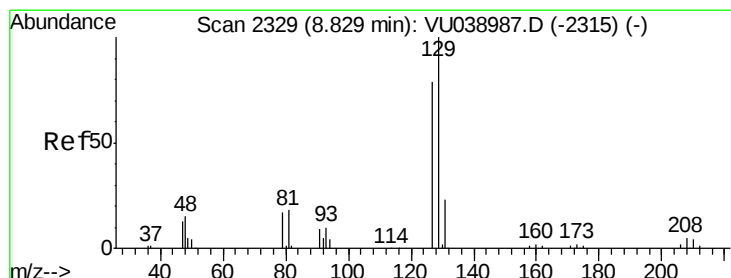
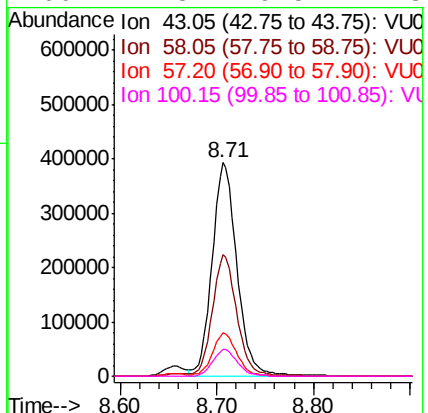
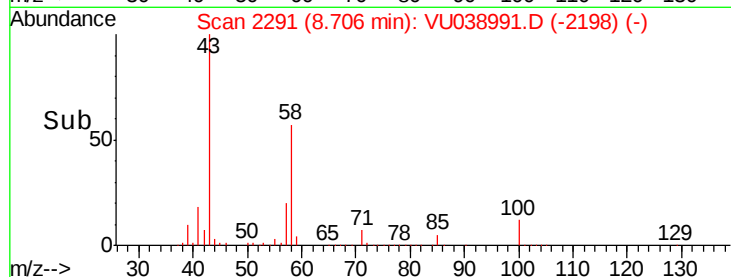
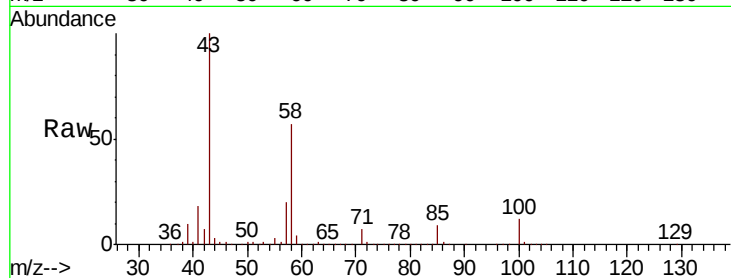




#48
2-Hexanone
Concen: 50.396 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

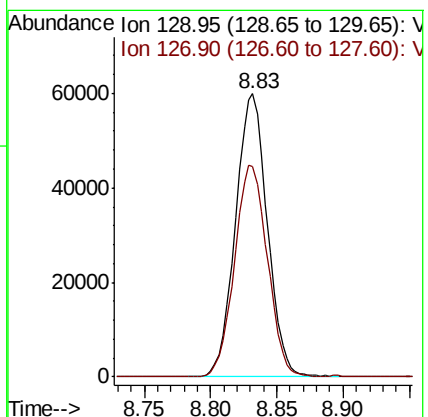
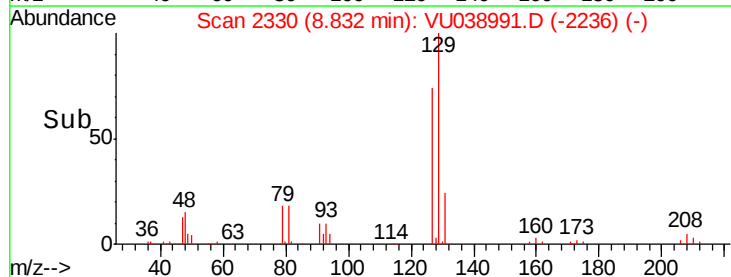
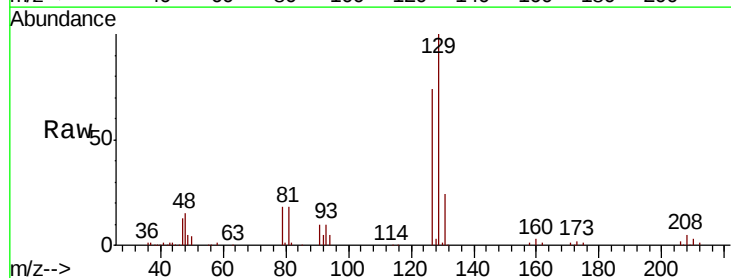
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

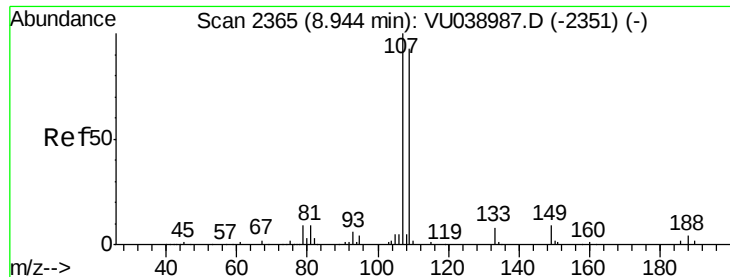
Tot Ion: 43 Resp: 699352
Ion Ratio Lower Upper
43 100
58 56.6 43.2 64.8
57 19.8 15.2 22.8
100 12.3 9.5 14.3



#49
Dibromochloromethane
Concen: 4.800 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Tgt Ion: 129 Resp: 100045
Ion Ratio Lower Upper
129 100
127 74.3 55.1 102.3

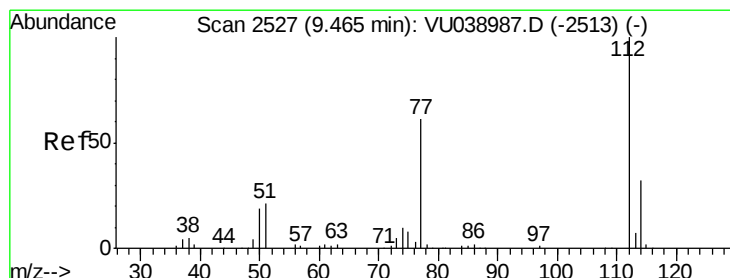
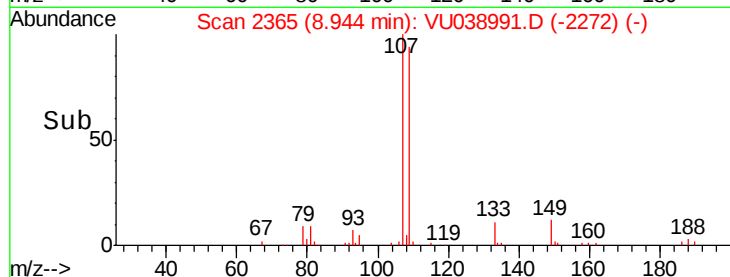
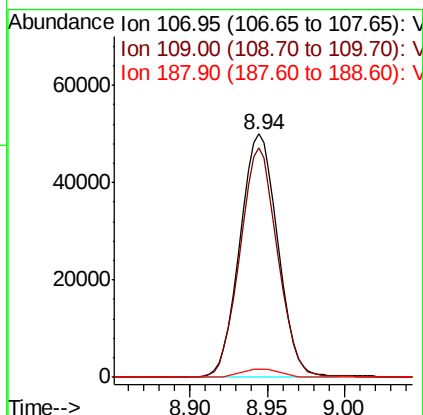
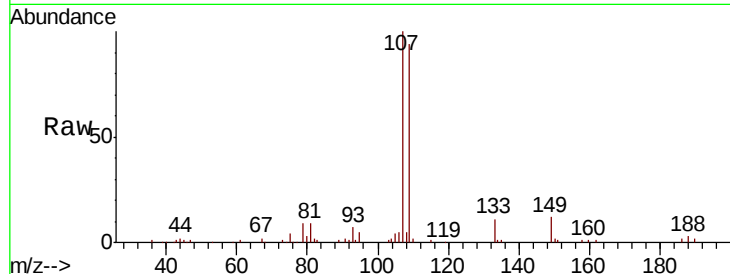




#50
1,2-Dibromoethane
Concen: 4.767 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

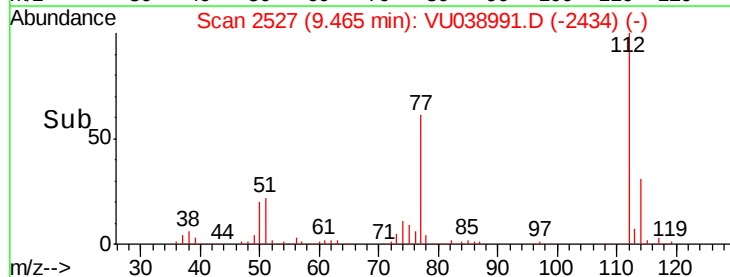
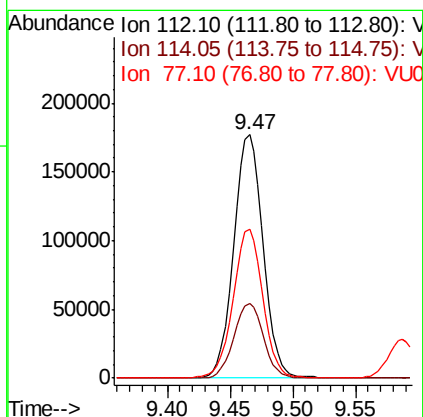
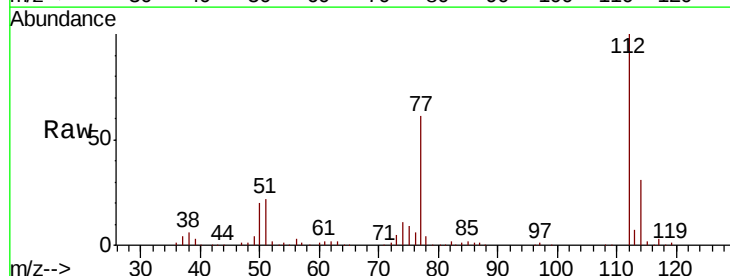
Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

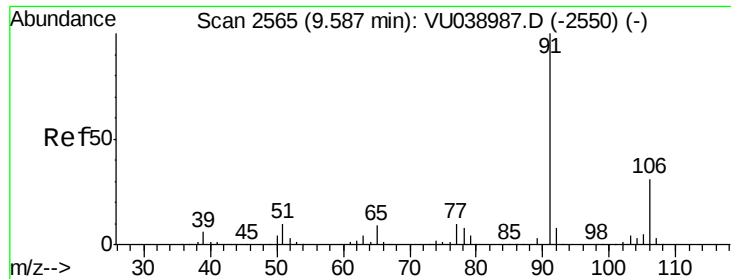
Tot Ion:107 Resp: 85361
Ion Ratio Lower Upper
107 100
109 94.2 65.5 121.6
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 4.875 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Tgt Ion:112 Resp: 287566
Ion Ratio Lower Upper
112 100
114 30.6 22.0 41.0
77 61.1 49.0 73.4





#52

Ethylbenzene

Concen: 4.813 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

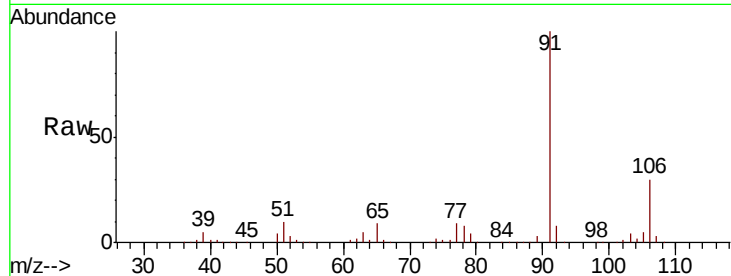
VSTD00509

Tot Ion: 91 Resp: 488606

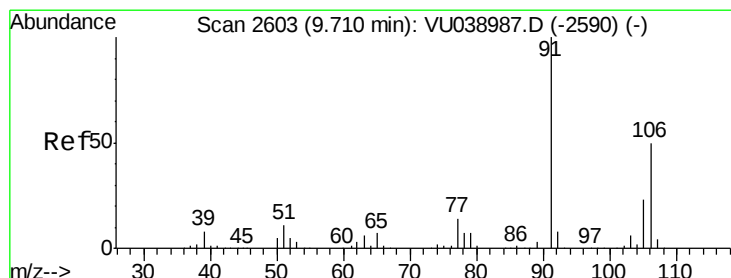
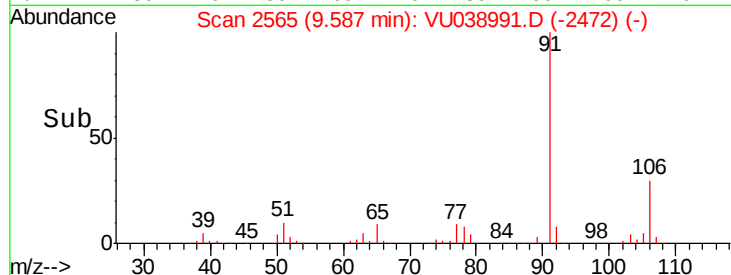
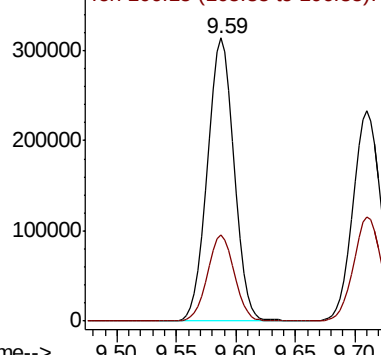
Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



Abundance Ion 91.15 (90.85 to 91.85): VU038991.D (-2550) (-)



#53

m,p-Xylene

Concen: 4.901 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VU038991.D

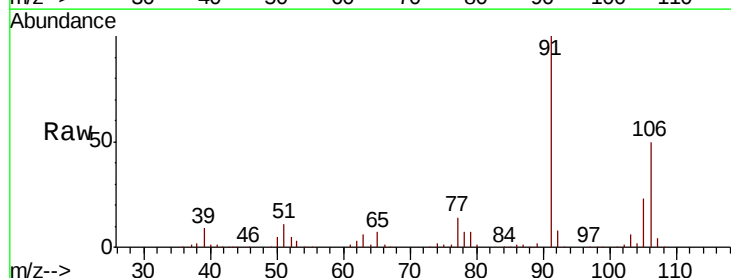
Acq: 19 Jun 2020 18:16

Tgt Ion: 106 Resp: 187167

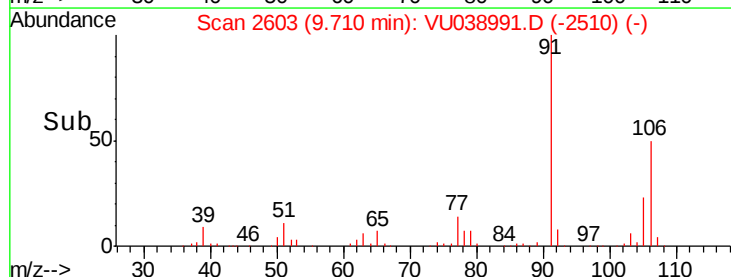
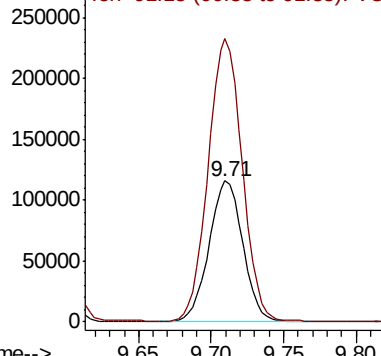
Ion Ratio Lower Upper

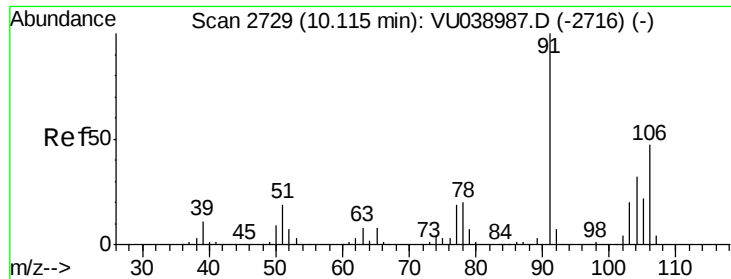
106 100

91 200.5 140.8 261.6



Abundance Ion 106.15 (105.85 to 106.85): VU038991.D (-2590) (-)

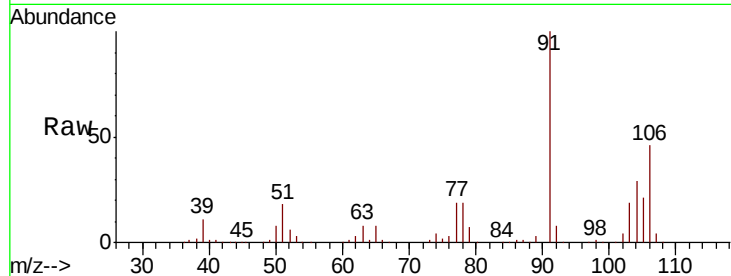




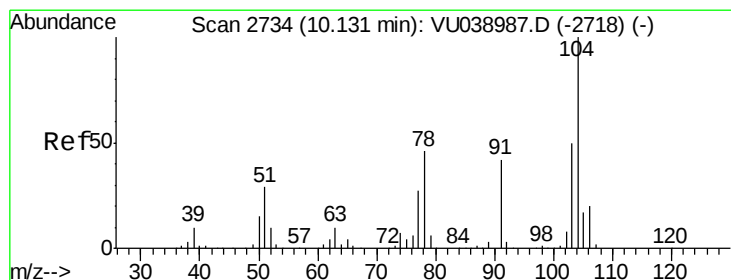
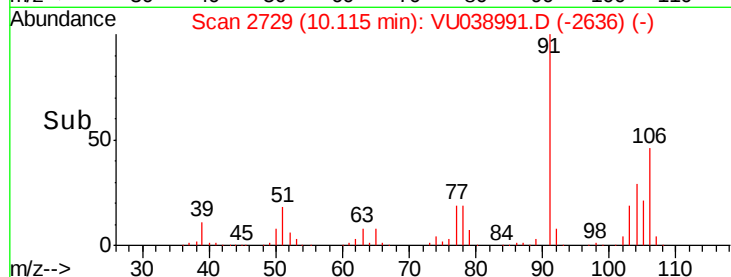
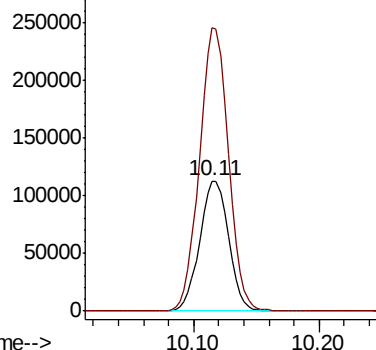
#54
o-Xylene
Concen: 4.870 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Instrument :
MSVOA_U
ClientSampleId :
VSTD00509

Tot Ion:106 Resp: 180486
Ion Ratio Lower Upper
106 100
91 217.9 148.2 275.2

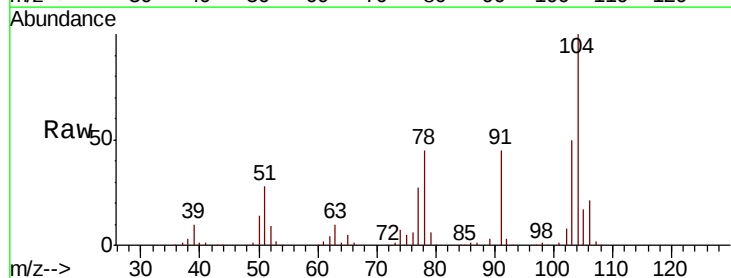


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

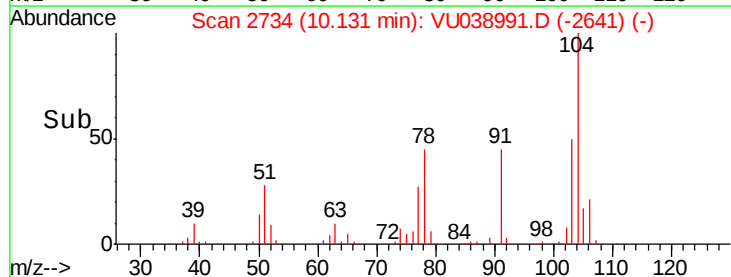
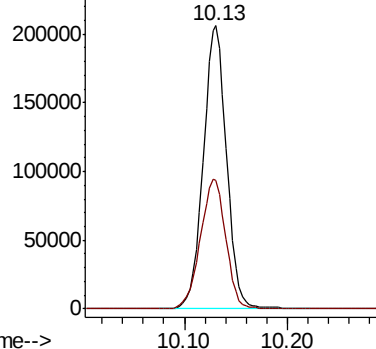


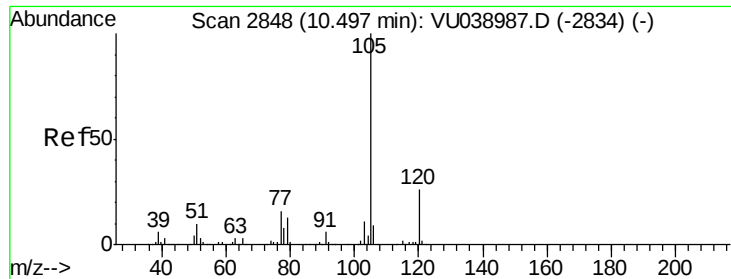
#55
Styrene
Concen: 5.093 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU038991.D
Acq: 19 Jun 2020 18:16

Tgt Ion:104 Resp: 324015
Ion Ratio Lower Upper
104 100
78 45.3 32.0 59.4



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





#56

Isopropylbenzene

Concen: 4.978 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

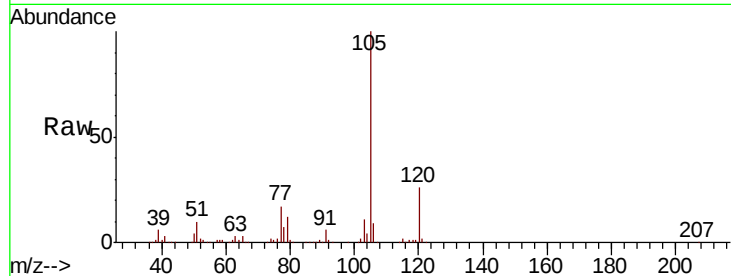
Tot Ion:105 Resp: 478043

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

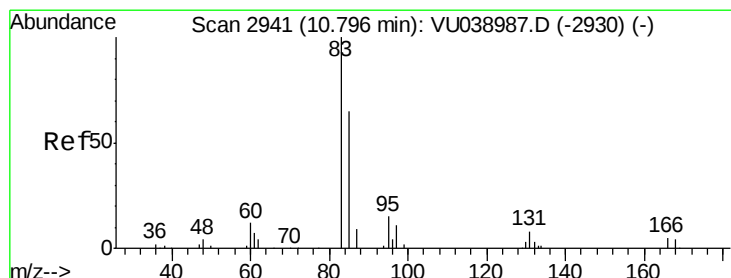
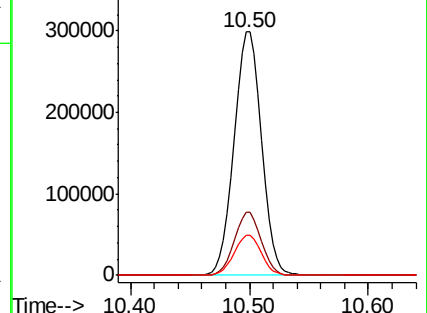
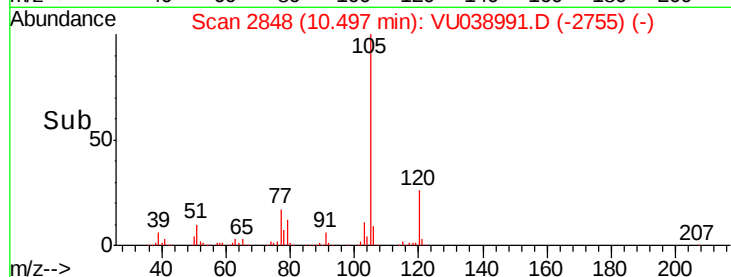
77 16.3 12.9 19.3



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: 5.091 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

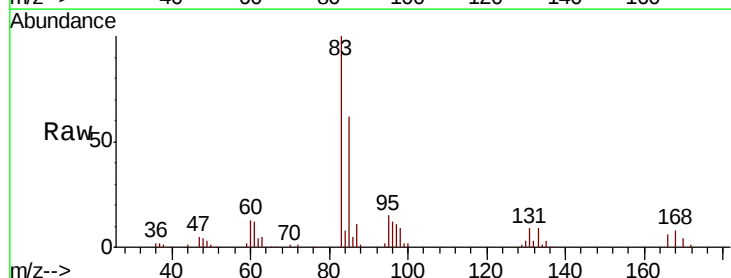
Tgt Ion: 83 Resp: 120612

Ion Ratio Lower Upper

83 100

85 62.4 45.6 84.6

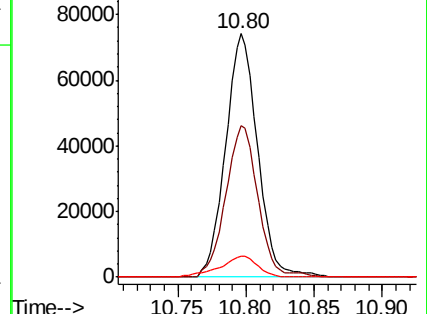
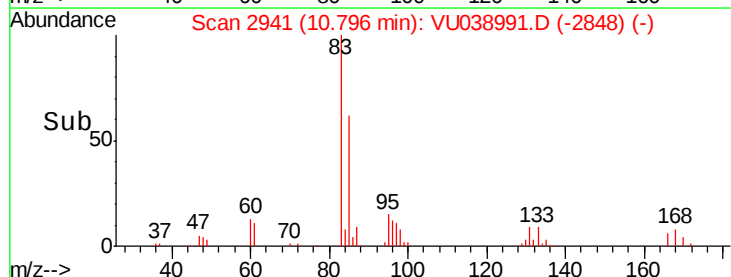
131 8.6 7.0 10.6

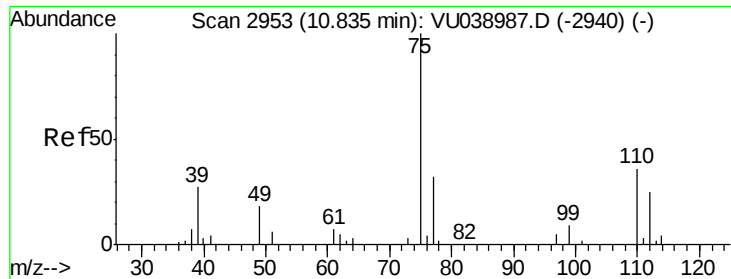


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

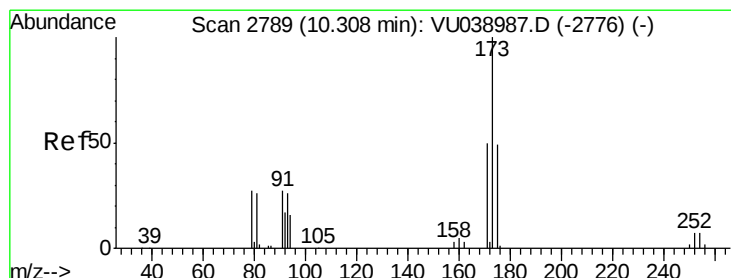
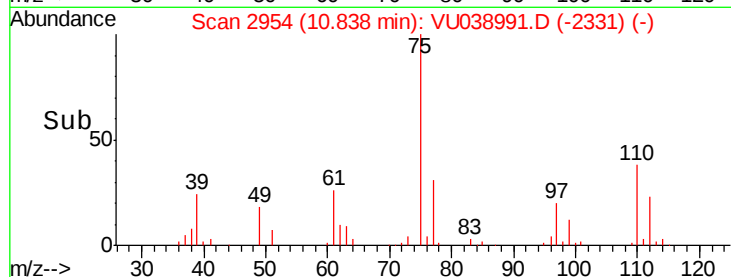
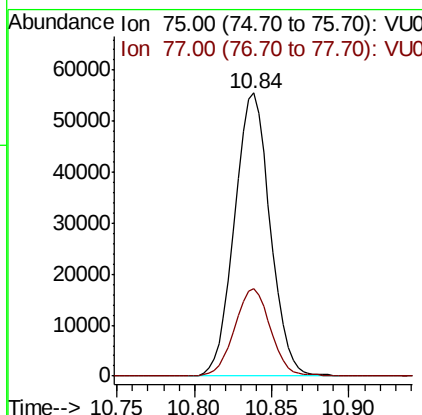
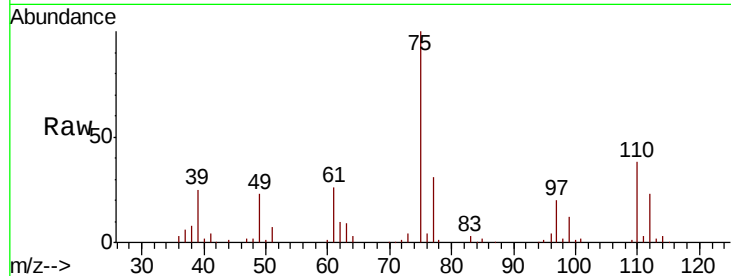




#59
 1,2,3-Trichloropropane
 Concen: 5.047 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

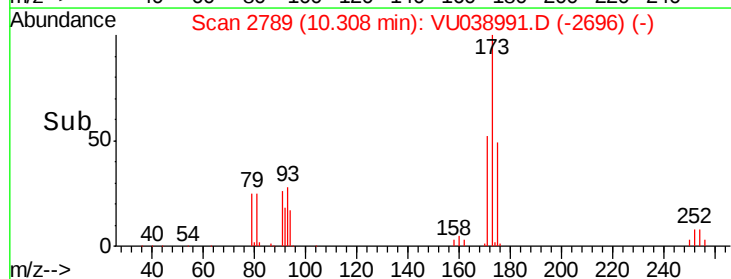
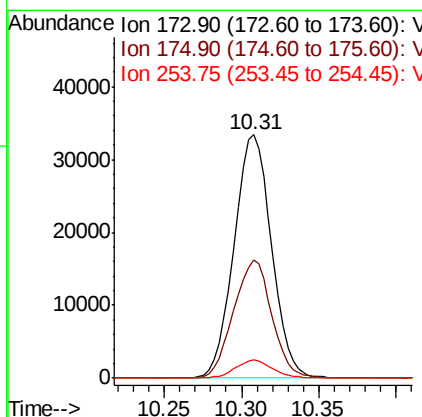
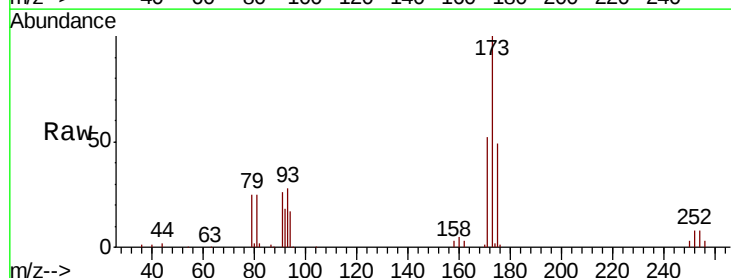
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

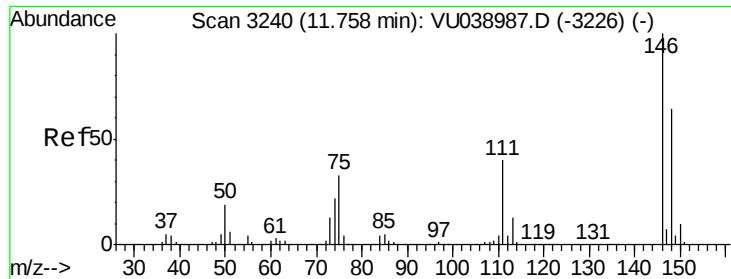
Tot Ion: 75 Resp: 88760
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.9 38.9



#61
 Bromoform
 Concen: 4.669 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion: 173 Resp: 56176
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.1 58.7
 254 7.3 5.6 8.4

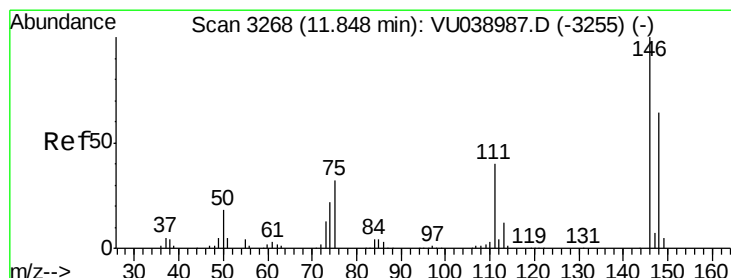
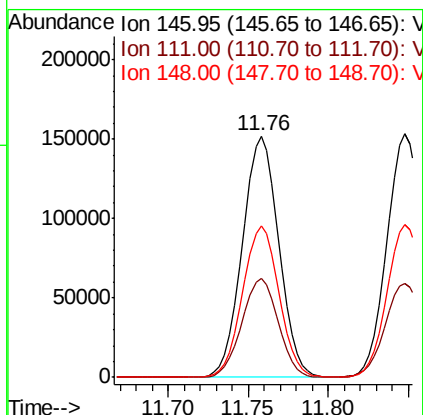
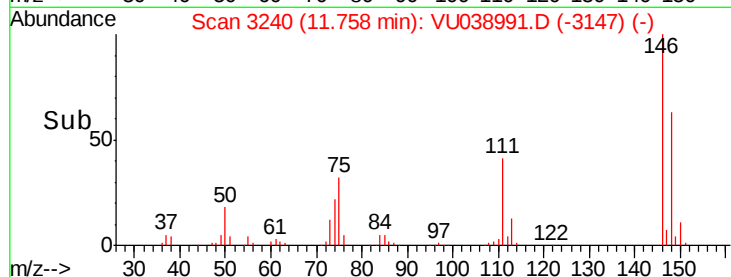
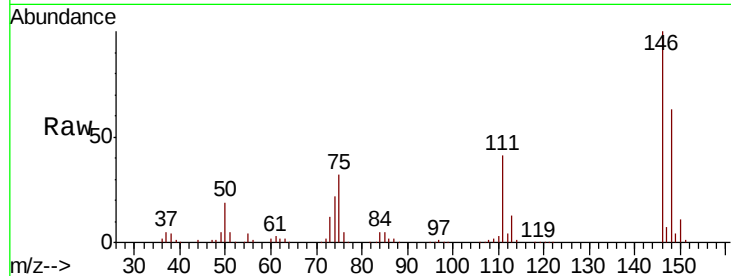




#62
 1,3-Dichlorobenzene
 Concen: 4.892 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

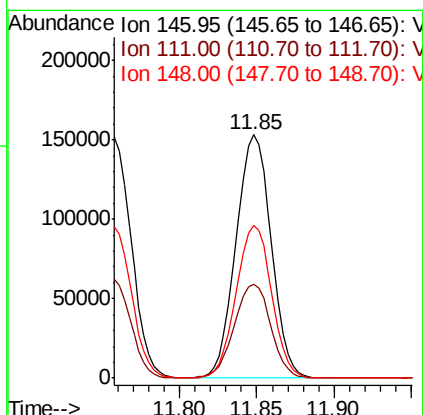
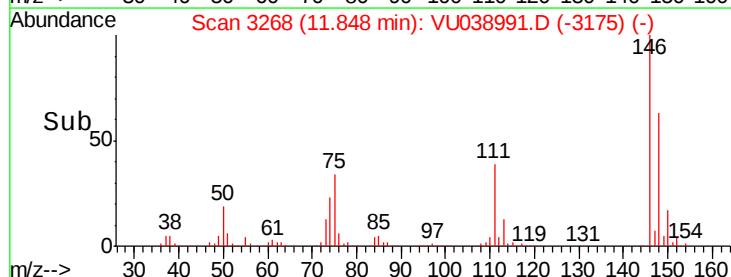
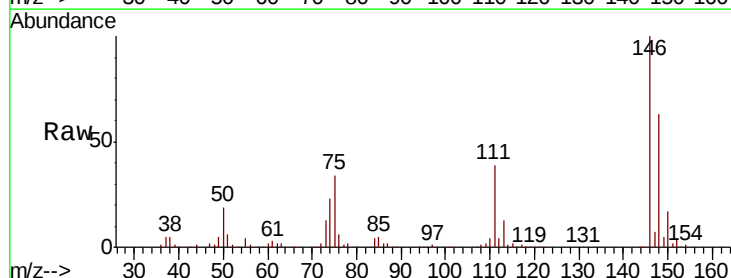
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

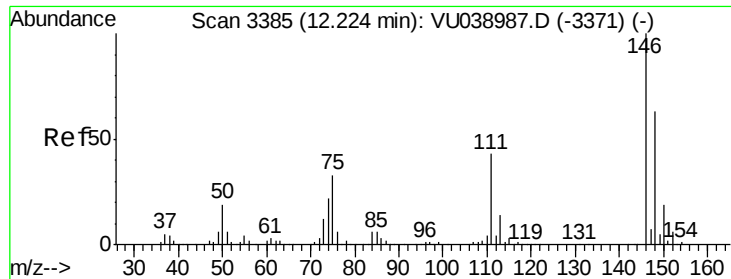
Tot Ion:146 Resp: 235168
 Ion Ratio Lower Upper
 146 100
 111 40.8 27.8 51.6
 148 62.6 45.1 83.7



#63
 1,4-Dichlorobenzene
 Concen: 4.916 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion:146 Resp: 242897
 Ion Ratio Lower Upper
 146 100
 111 38.8 28.1 52.3
 148 63.0 45.0 83.6





#65

1,2-Dichlorobenzene

Concen: 4.878 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

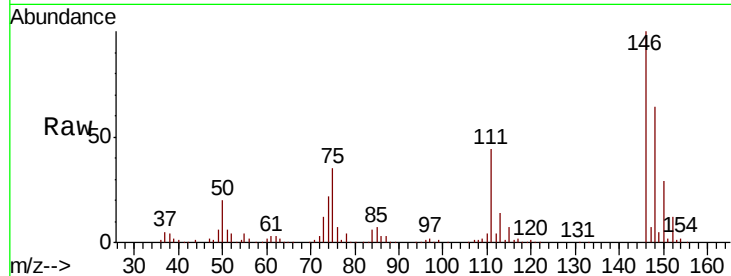
Tot Ion:146 Resp: 224946

Ion Ratio Lower Upper

146 100

111 44.2 34.4 51.6

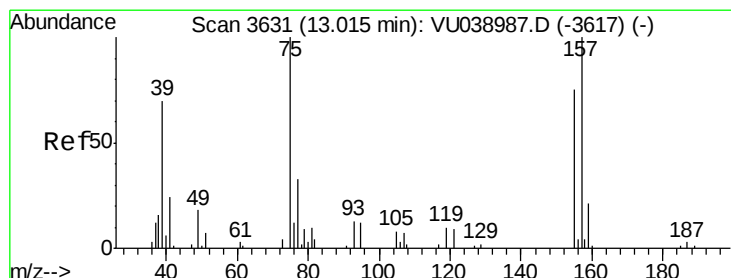
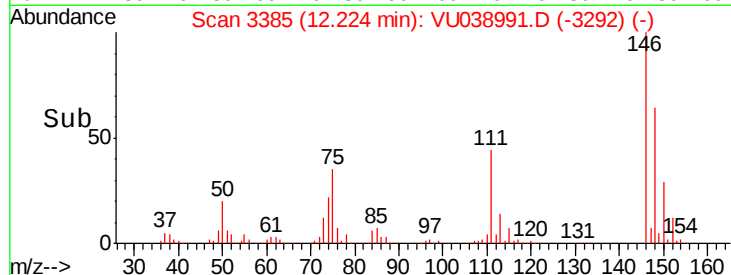
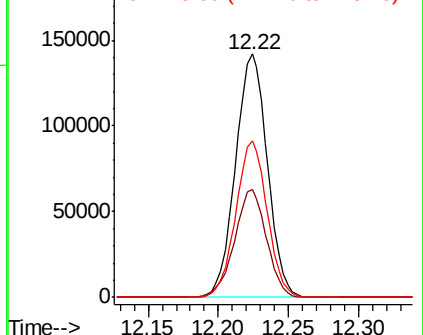
148 64.3 50.6 75.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.577 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

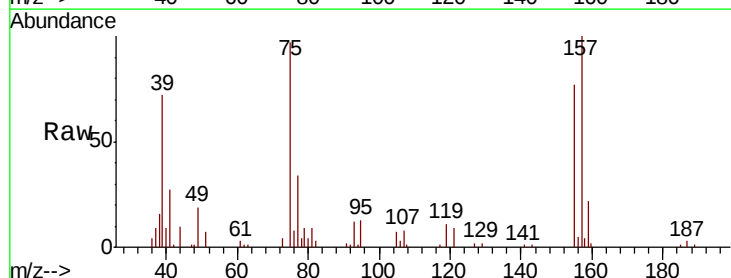
Tgt Ion: 75 Resp: 19707

Ion Ratio Lower Upper

75 100

155 79.4 59.9 89.9

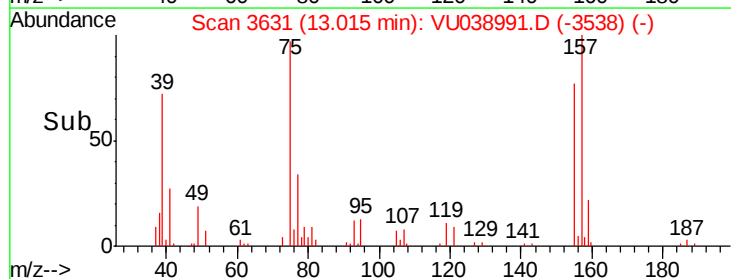
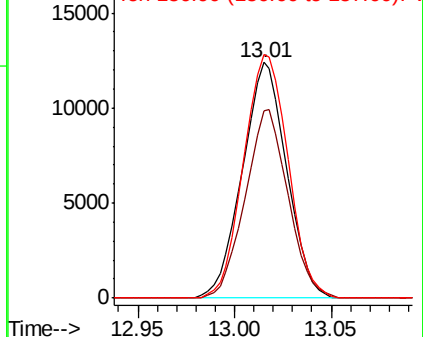
157 103.4 79.9 119.9

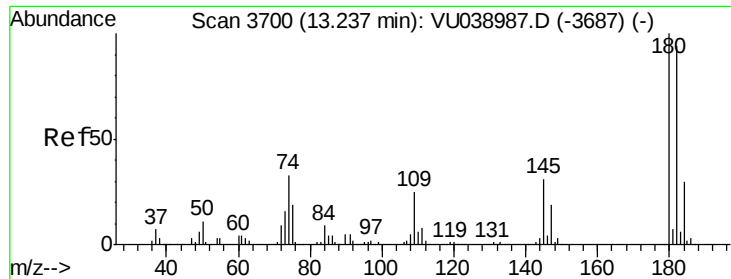


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

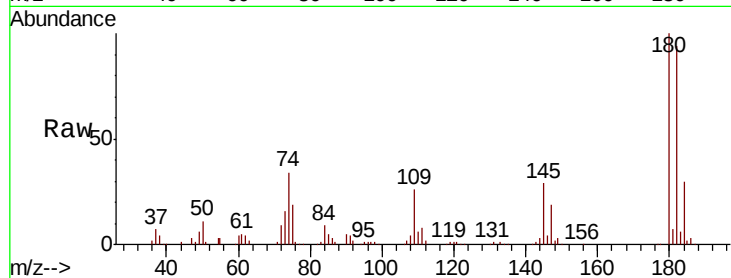




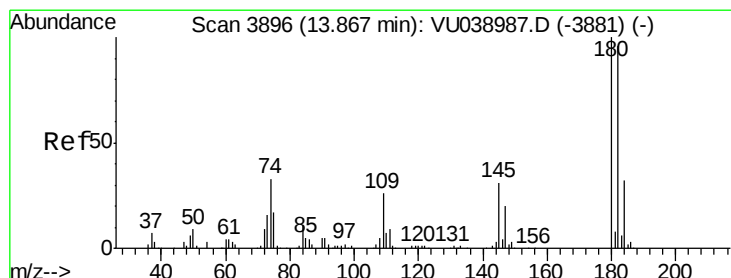
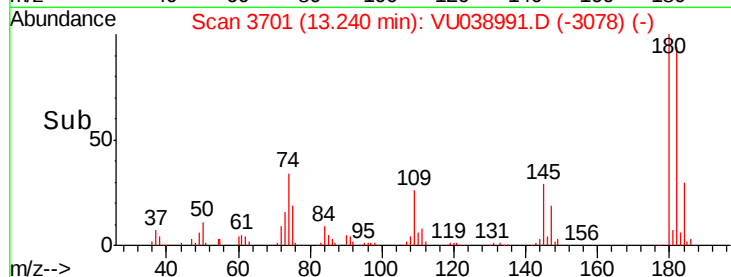
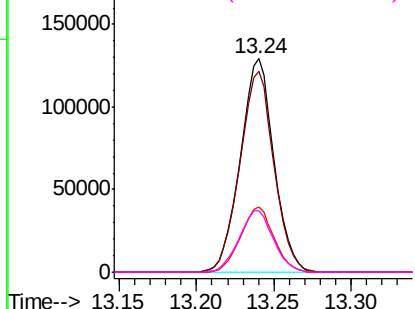
#67
 1,3,5-Trichlorobenzene
 Concen: 5.285 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00509

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
184	30.4	24.2	36.2
145	29.6	24.6	36.8

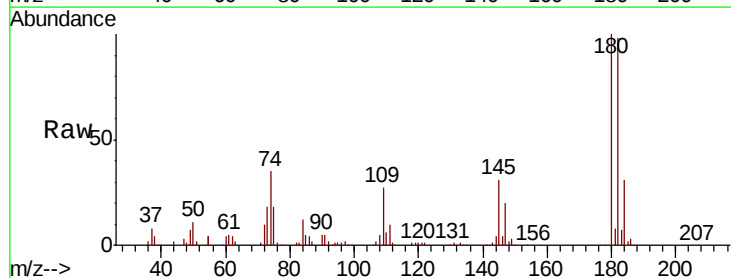


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

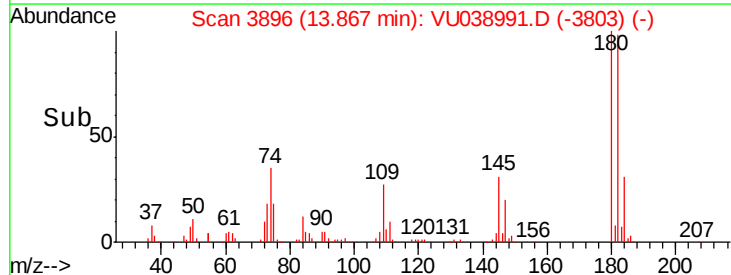
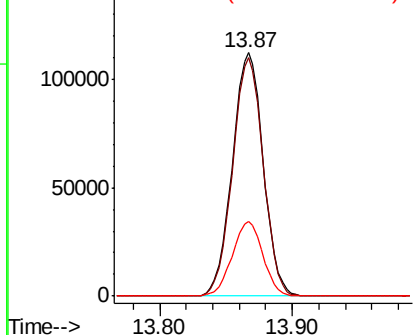


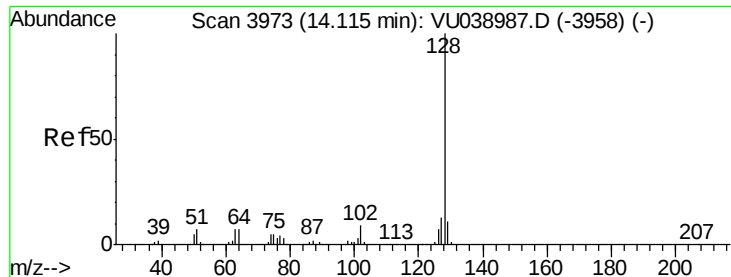
#68
 1,2,4-trichlorobenzene
 Concen: 5.566 ug/L
 RT: 13.87 min Scan# 3896
 Delta R.T. 0.00 min
 Lab File: VU038991.D
 Acq: 19 Jun 2020 18:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.0	114.0
145	30.2	25.0	37.6



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: 5.808 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

Instrument :

MSVOA_U

ClientSampleId :

VSTD00509

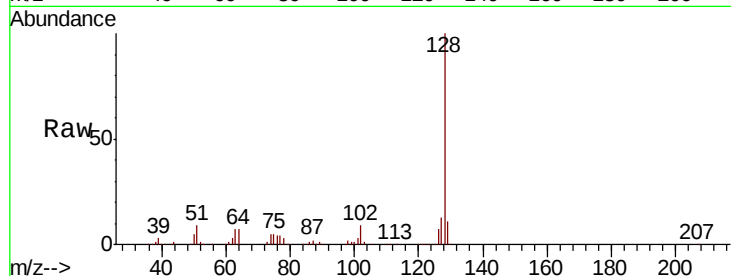
Tot Ion:128 Resp: 347918

Ion Ratio Lower Upper

128 100

129 10.6 8.3 12.5

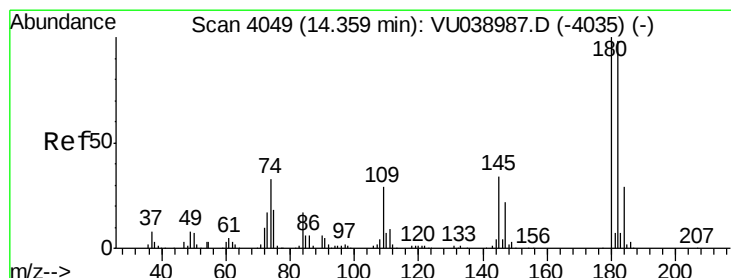
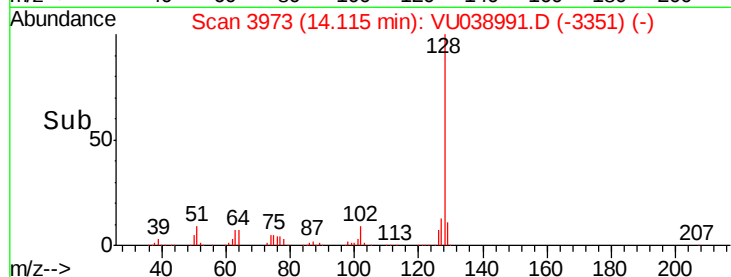
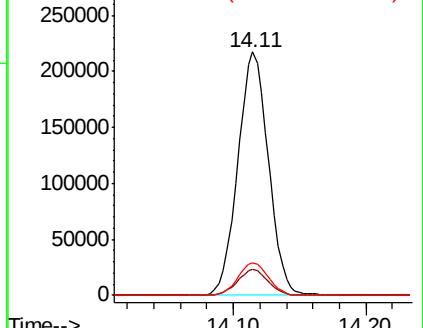
127 13.5 11.0 16.6



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: 5.740 ug/L

RT: 14.36 min Scan# 4050

Delta R.T. 0.00 min

Lab File: VU038991.D

Acq: 19 Jun 2020 18:16

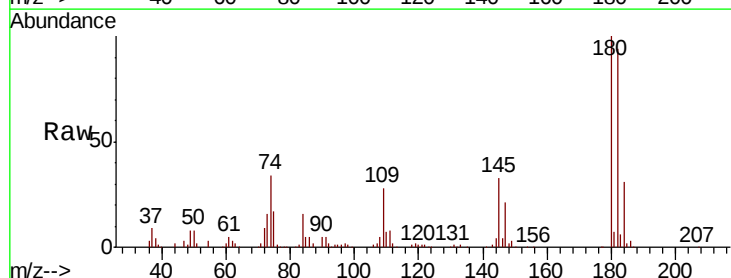
Tgt Ion:180 Resp: 178904

Ion Ratio Lower Upper

180 100

182 94.8 77.3 115.9

145 32.9 26.9 40.3



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

