

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062920\
 Data File : VU039211.D
 Acq On : 29 Jun 2020 22:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Jun 30 01:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	224147	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	224476	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	113342	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	101237	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.93	69	82377	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.59	63	193533	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	4.68	46	318966	50.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.52%
24) Chloroform-d	5.10	84	187073	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.20%
26) 1,2-Dichloroethane-d4	5.74	65	111379	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.76	84	352157	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.72	67	110577	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.92	98	308445	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	8.20	79	49694	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.65	63	248532	52.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.08%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	99585	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	114842	4.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	113778	5.128	ug/L 99
3) Chloromethane	1.53	50	113350	4.942	ug/L 96
5) Vinyl chloride	1.62	62	113206	4.948	ug/L 98
6) Bromomethane	1.88	94	60473	4.997	ug/L 97
8) Chloroethane	1.95	64	69334	4.994	ug/L 97
9) Trichlorofluoromethane	2.16	101	157758	5.145	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	85549	4.946	ug/L 99
12) 1,1-Dichloroethene	2.61	96	81425	4.924	ug/L 96
13) Acetone	2.68	43	190011	49.324	ug/L 99
14) Carbon disulfide	2.82	76	282810	4.888	ug/L 99
15) Methyl Acetate	2.99	43	46871	4.871	ug/L 99
16) Methylene chloride	3.08	84	95787	4.842	ug/L 95
17) Methyl tert-butyl Ether	3.40	73	219817	4.937	ug/L 99
18) trans-1,2-Dichloroethene	3.39	96	85194	4.851	ug/L 95
19) 1,1-Dichloroethane	3.91	63	164079	4.892	ug/L 99
21) 2-Butanone	4.76	43	307105	50.200	ug/L 99
22) cis-1,2-Dichloroethene	4.71	96	89897	5.097	ug/L 99

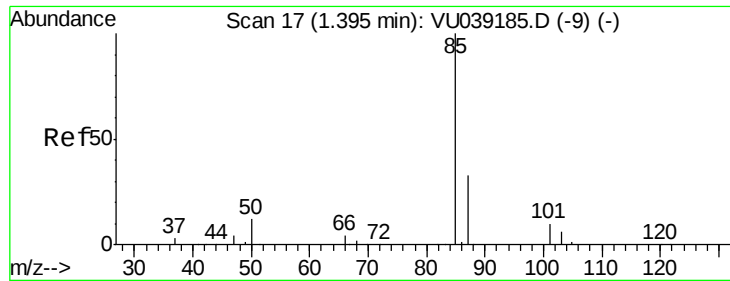
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062920\
 Data File : VU039211.D
 Acq On : 29 Jun 2020 22:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Quant Time: Jun 30 01:41:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 30 01:35:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	43363	5.092	ug/L	98
25) Chloroform	5.12	83	168379	5.043	ug/L	99
27) 1,2-Dichloroethane	5.83	62	125105	5.069	ug/L	98
29) 1,1,1-Trichloroethane	5.35	97	147820	4.915	ug/L	99
30) Cyclohexane	5.42	56	138349	4.905	ug/L	99
31) Carbon tetrachloride	5.56	117	125478	4.960	ug/L	99
33) Benzene	5.81	78	357283	4.939	ug/L	100
34) Trichloroethene	6.57	95	89888	4.861	ug/L	97
35) Methylcyclohexane	6.79	83	135130	4.903	ug/L	99
37) 1,2-Dichloropropane	6.82	63	92270	4.807	ug/L	99
38) Bromodichloromethane	7.13	83	122744	5.012	ug/L	97
39) cis-1,3-Dichloropropene	7.63	75	128926	4.678	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	699581	50.461	ug/L	100
42) Toluene	7.99	91	369983	5.123	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	121496	4.487	ug/L	100
45) 1,1,2-Trichloroethane	8.42	97	71065	4.997	ug/L	98
47) Tetrachloroethene	8.57	164	64834	4.874	ug/L	99
48) 2-Hexanone	8.71	43	544014	51.405	ug/L	99
49) Dibromochloromethane	8.83	129	80823	4.934	ug/L	97
50) 1,2-Dibromoethane	8.94	107	67722	4.881	ug/L	96
51) Chlorobenzene	9.47	112	227044	4.936	ug/L	98
52) Ethylbenzene	9.59	91	382774	4.939	ug/L	99
53) m,p-Xylene	9.71	106	146287	5.122	ug/L	96
54) o-Xylene	10.11	106	137329	4.997	ug/L	99
55) Styrene	10.13	104	248406	5.210	ug/L	98
56) Isopropylbenzene	10.50	105	358116	4.897	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	88027	4.638	ug/L	100
59) 1,2,3-Trichloropropane	10.84	75	69417	4.805	ug/L	99
61) Bromoform	10.31	173	45281	4.921	ug/L	96
62) 1,3-Dichlorobenzene	11.76	146	171109	4.679	ug/L	96
63) 1,4-Dichlorobenzene	11.85	146	172664	4.715	ug/L	99
65) 1,2-Dichlorobenzene	12.22	146	166271	4.764	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	17483	4.932	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	118781	4.501	ug/L	98
68) 1,2,4-trichlorobenzene	13.86	180	103377	4.486	ug/L	98
69) Naphthalene	14.11	128	193516	4.472	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	99946	4.684	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.128 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

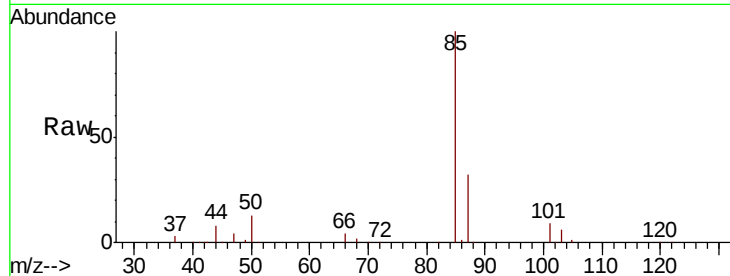
VSTD00522

Tot Ion: 85 Resp: 113778

Ion Ratio Lower Upper

85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VU039211.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU039211.D (-9) (-)

1.39

120000

100000

80000

60000

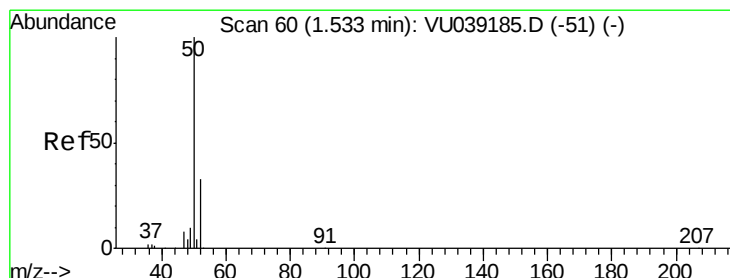
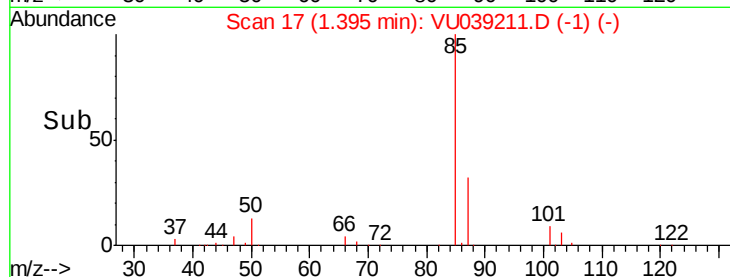
40000

20000

0

1.35 1.40 1.45

Time-->



#3

Chloromethane

Concen: 4.942 ug/L

RT: 1.53 min Scan# 60

Delta R.T. -0.00 min

Lab File: VU039211.D

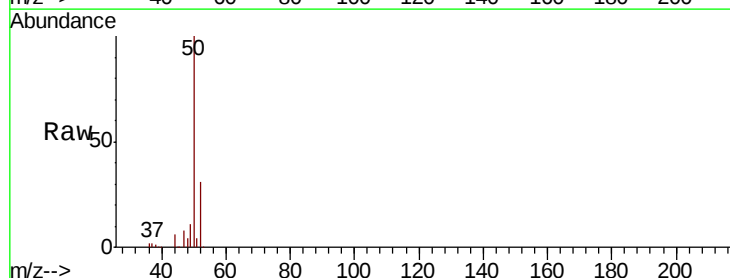
Acq: 29 Jun 2020 22:54

Tgt Ion: 50 Resp: 113350

Ion Ratio Lower Upper

50 100

52 30.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VU039211.D (-51) (-)

Ion 52.05 (51.75 to 52.75): VU039211.D (-51) (-)

1.53

100000

80000

60000

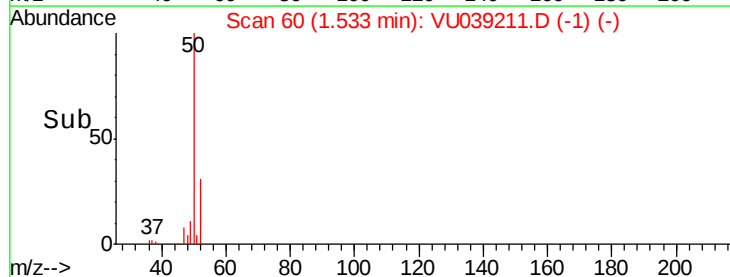
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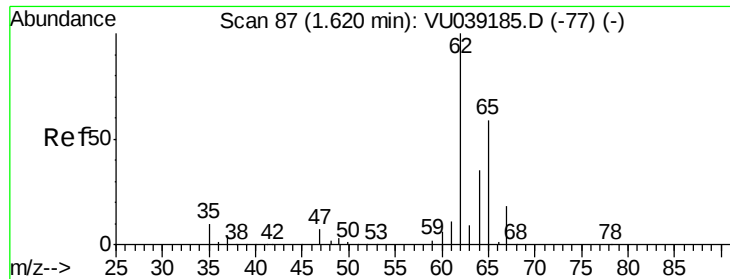
20000

0

1.50 1.55 1.60

Time-->





#5

Vinyl chloride

Concen: 4.948 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

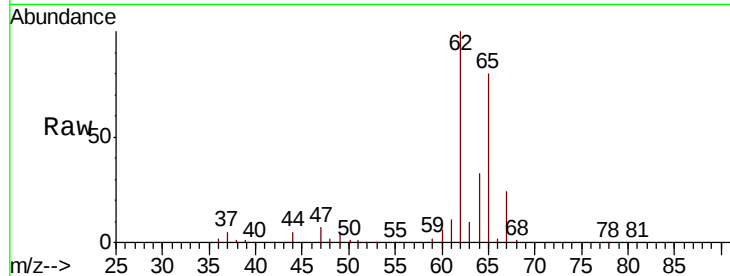
VSTD00522

Tot Ion: 62 Resp: 113206

Ion Ratio Lower Upper

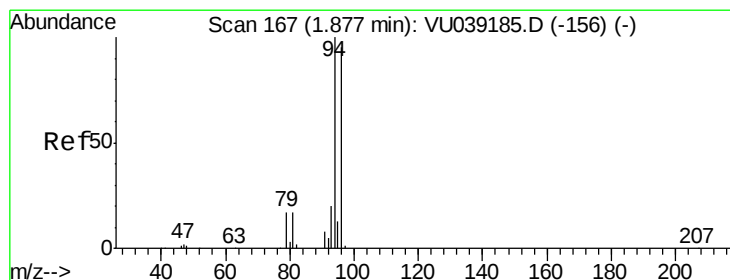
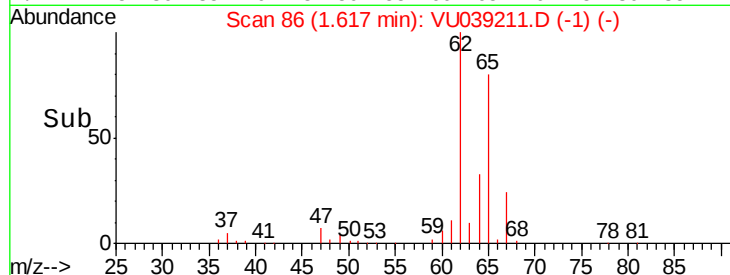
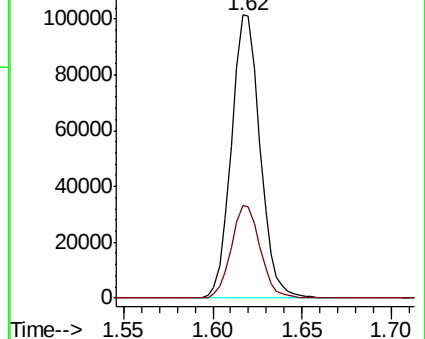
62 100

64 32.8 22.3 41.3



Abundance Ion 62.00 (61.70 to 62.70): VU039211.D (-1) (-)

Ion 64.10 (63.80 to 64.80): VU039211.D (-1) (-)



#6

Bromomethane

Concen: 4.997 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.00 min

Lab File: VU039211.D

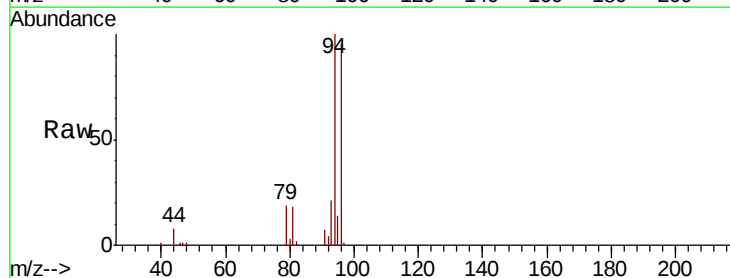
Acq: 29 Jun 2020 22:54

Tgt Ion: 94 Resp: 60473

Ion Ratio Lower Upper

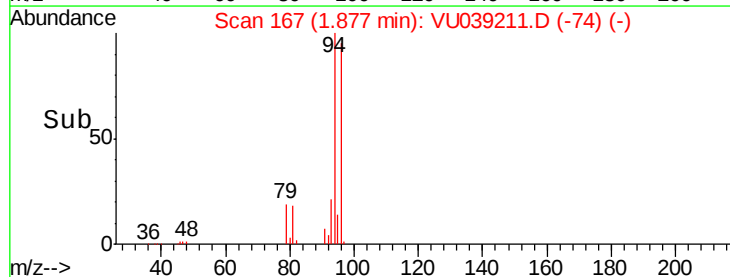
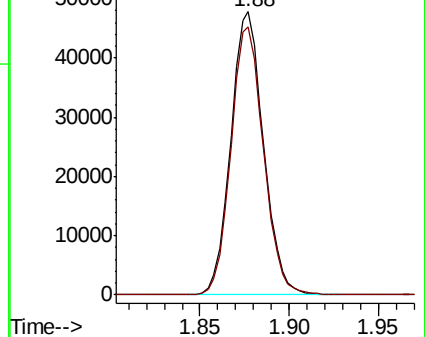
94 100

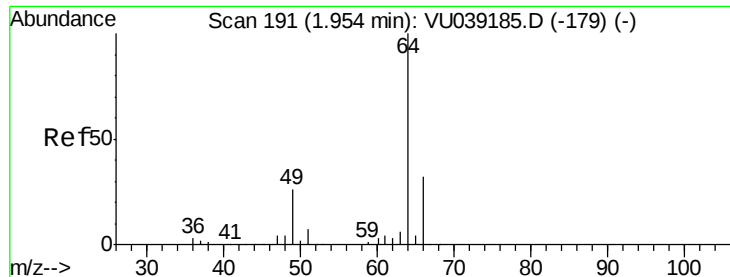
96 94.9 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VU039211.D (-74) (-)

Ion 96.00 (95.70 to 96.70): VU039211.D (-74) (-)

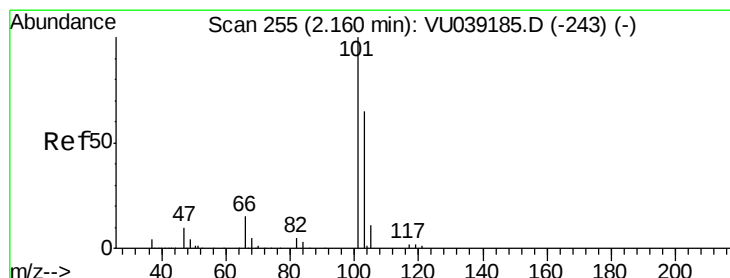
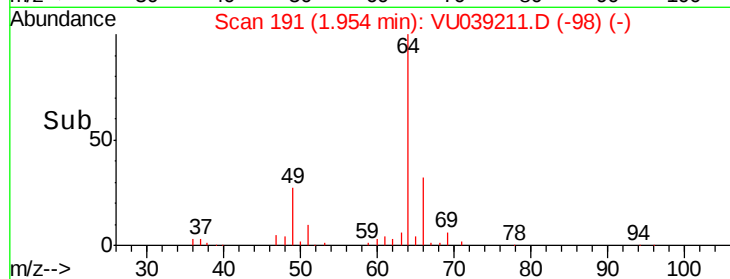
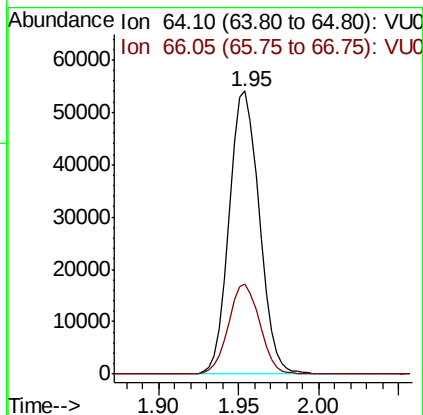
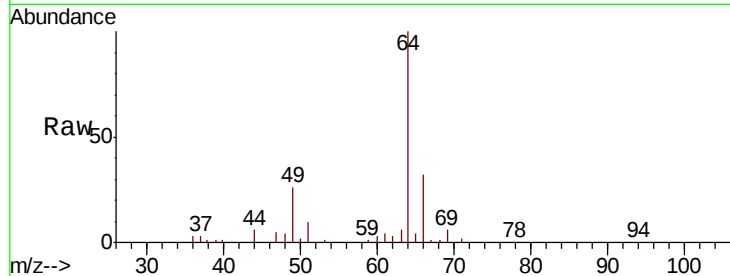




#8
Chloroethane
Concen: 4.994 ug/L
RT: 1.95 min Scan# 191
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

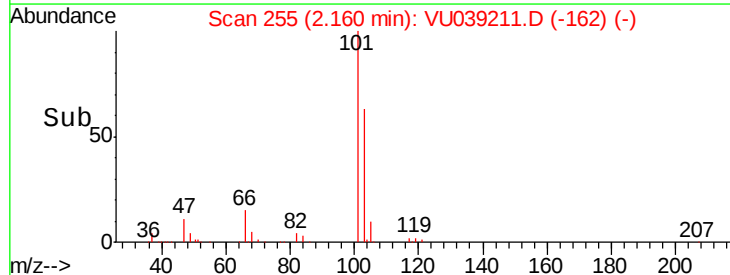
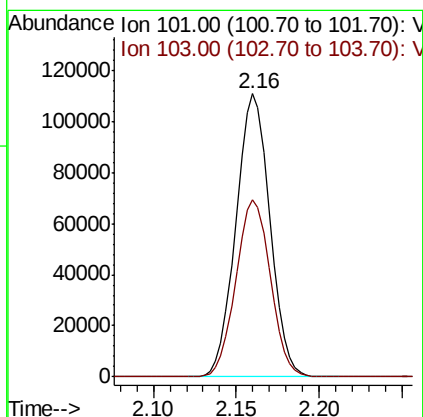
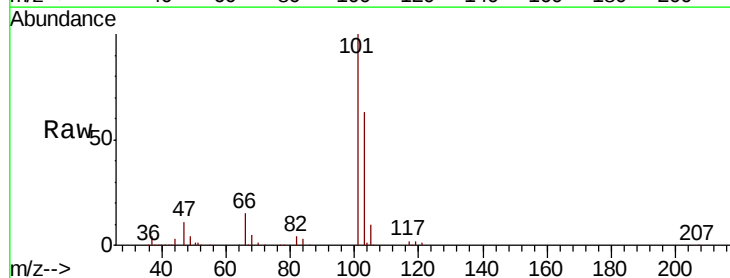
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

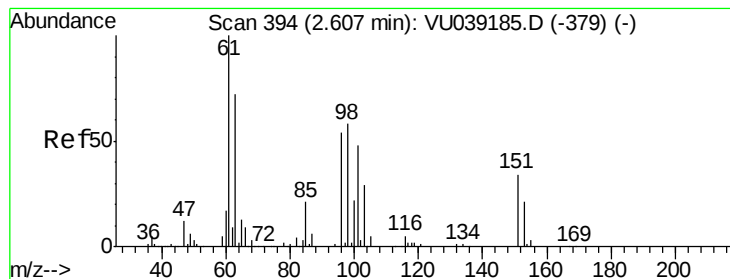
Tot Ion: 64 Resp: 69334
Ion Ratio Lower Upper
64 100
66 31.9 23.4 43.6



#9
Trichlorofluoromethane
Concen: 5.145 ug/L
RT: 2.16 min Scan# 255
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion: 101 Resp: 157758
Ion Ratio Lower Upper
101 100
103 63.9 51.7 77.5





#10

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

Concen: 4.946 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

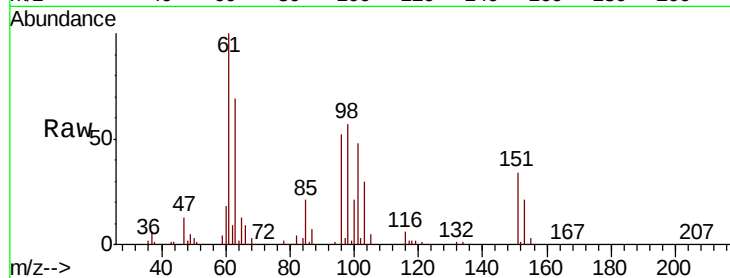
Tot Ion:101 Resp: 85549

Ion Ratio Lower Upper

101 100

85 44.6 36.0 54.0

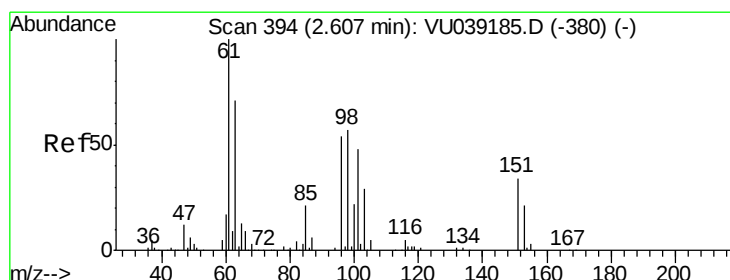
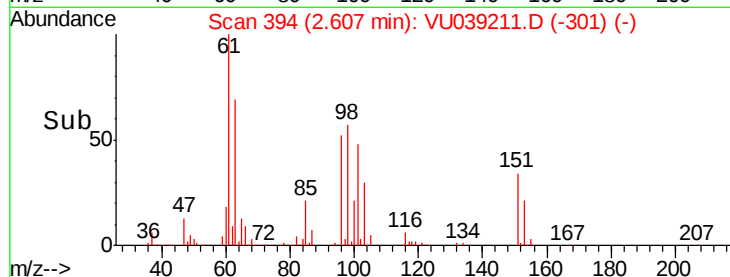
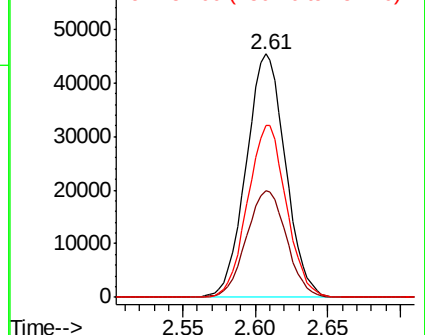
151 69.9 54.7 82.1



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: 4.924 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

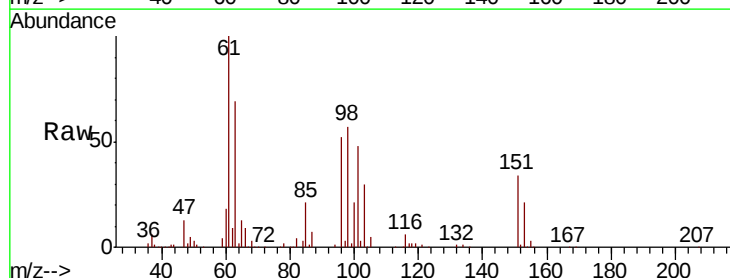
Tgt Ion: 96 Resp: 81425

Ion Ratio Lower Upper

96 100

61 193.0 128.7 239.1

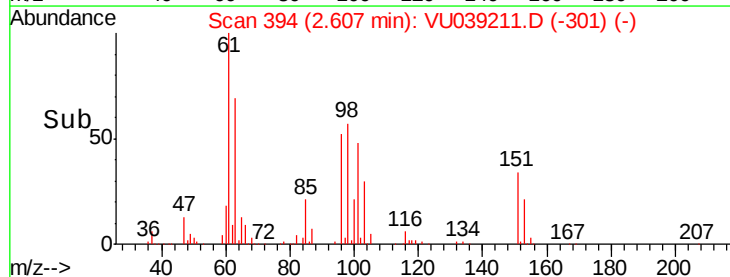
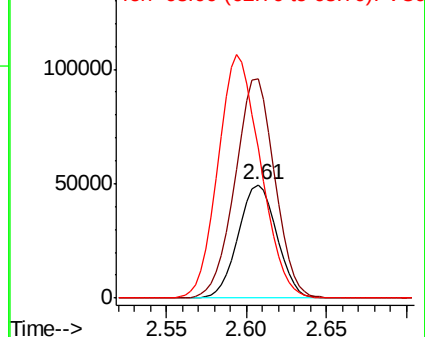
63 132.3 92.3 171.3

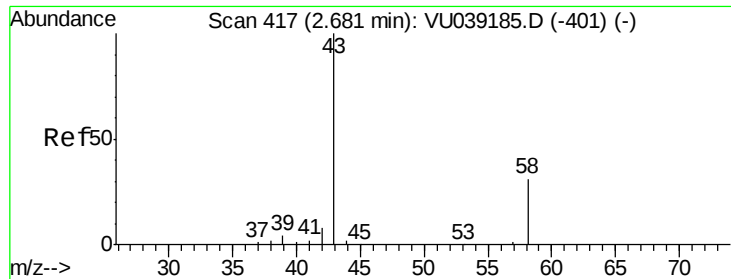


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 49.324 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

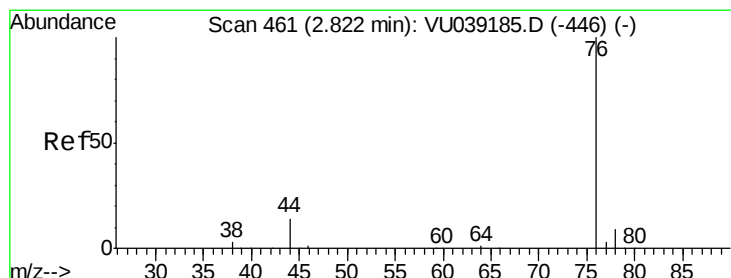
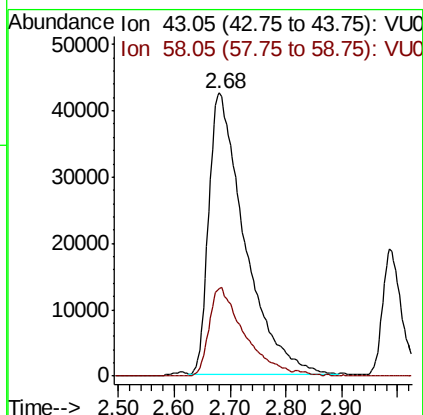
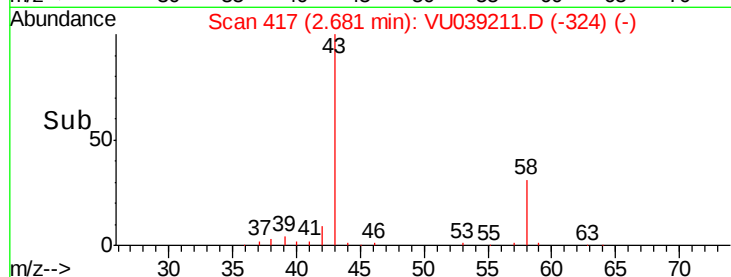
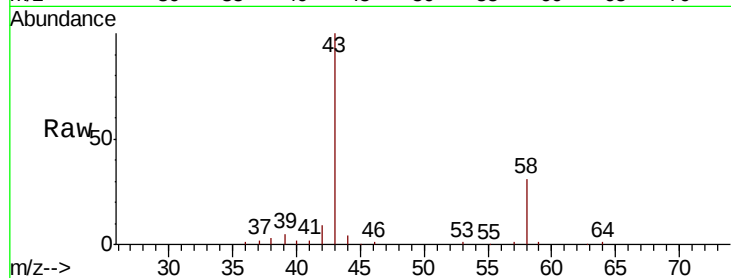
VSTD00522

Tot Ion: 43 Resp: 190011

Ion Ratio Lower Upper

43 100

58 30.8 0.0 63.2



#14

Carbon disulfide

Concen: 4.888 ug/L

RT: 2.82 min Scan# 461

Delta R.T. -0.00 min

Lab File: VU039211.D

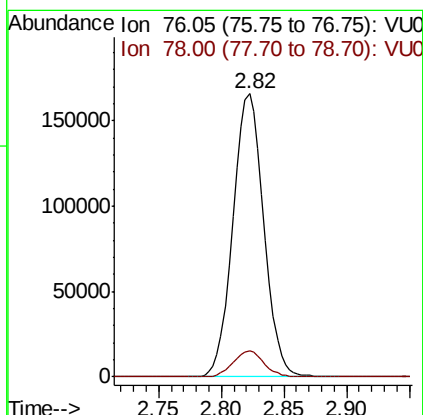
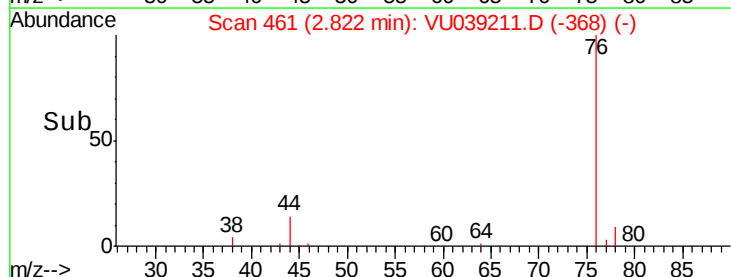
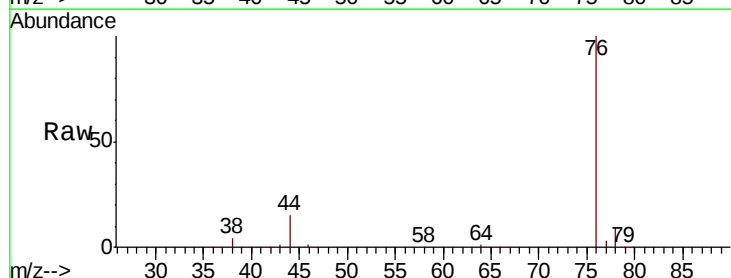
Acq: 29 Jun 2020 22:54

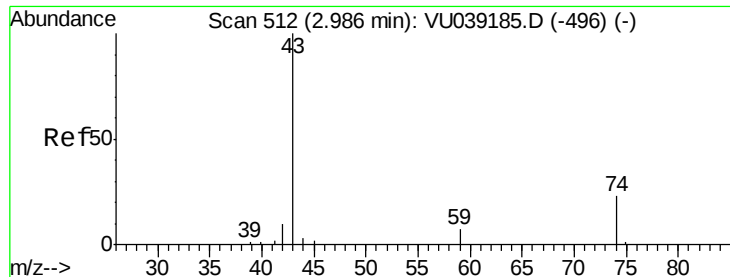
Tgt Ion: 76 Resp: 282810

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

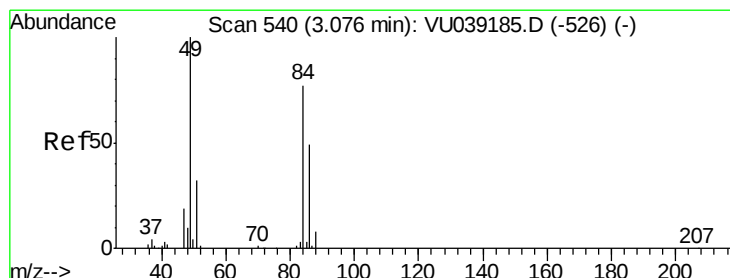
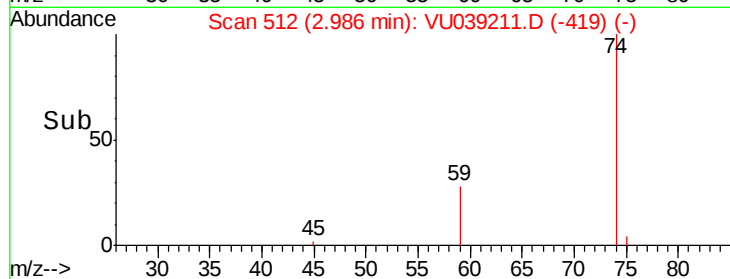
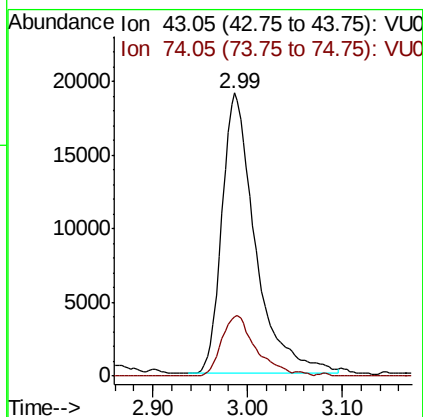
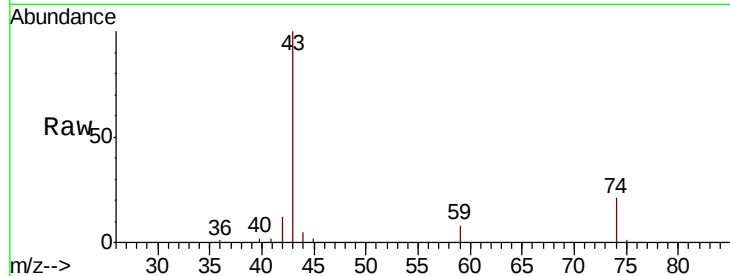




#15
Methvl Acetate
Concen: 4.871 ug/L
RT: 2.99 min Scan# 512
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

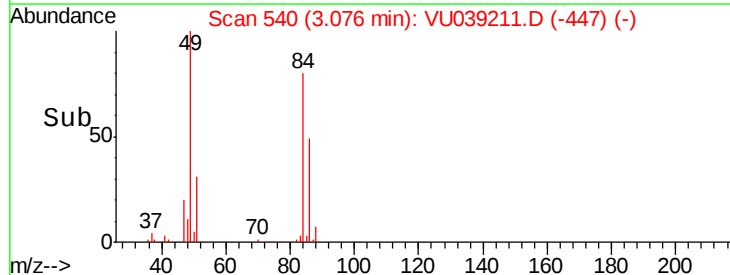
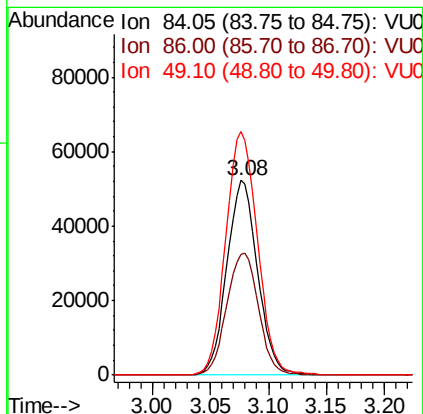
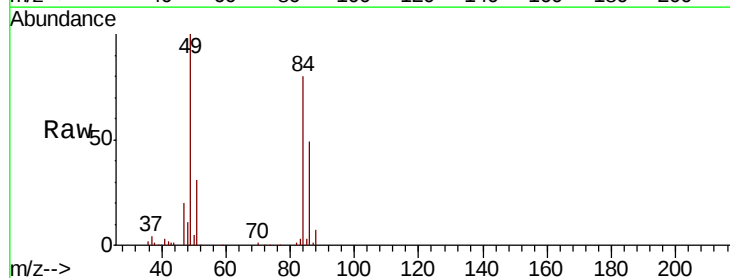
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

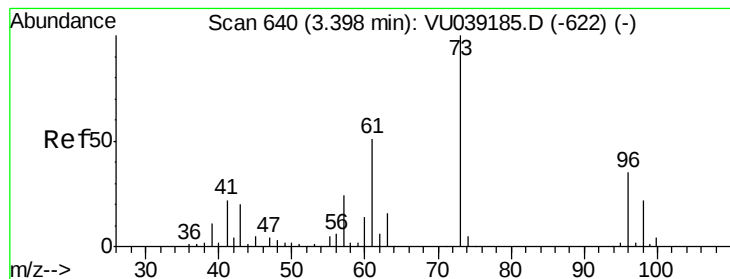
Tot Ion: 43 Resp: 46871
Ion Ratio Lower Upper
43 100
74 22.0 17.8 26.6



#16
Methylene chloride
Concen: 4.842 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion: 84 Resp: 95787
Ion Ratio Lower Upper
84 100
86 61.8 44.2 82.2
49 125.3 93.2 173.0



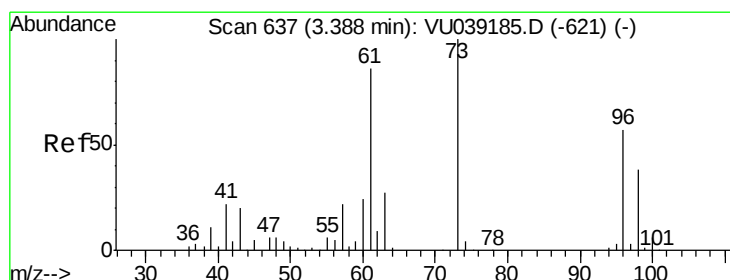
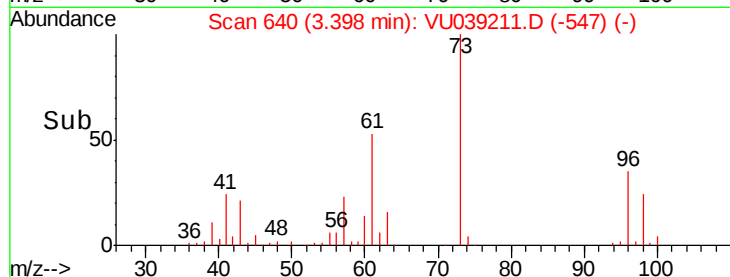
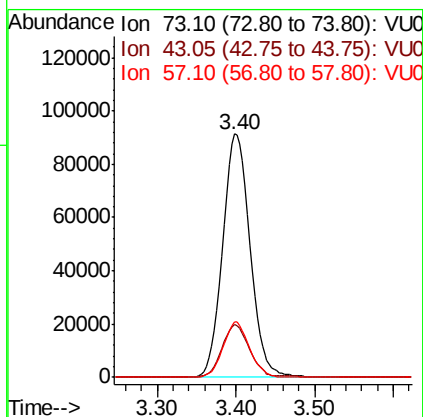
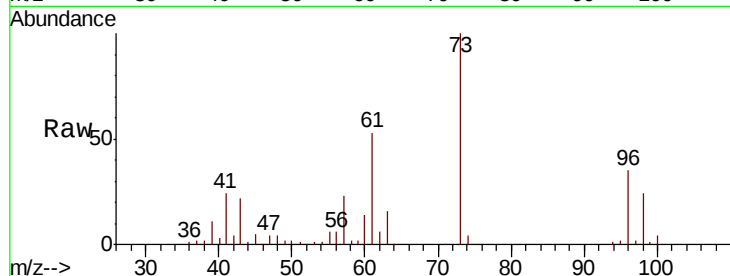


#17

Methvl tert-butvl Ether
 Concen: 4.937 ug/L
 RT: 3.40 min Scan# 640
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

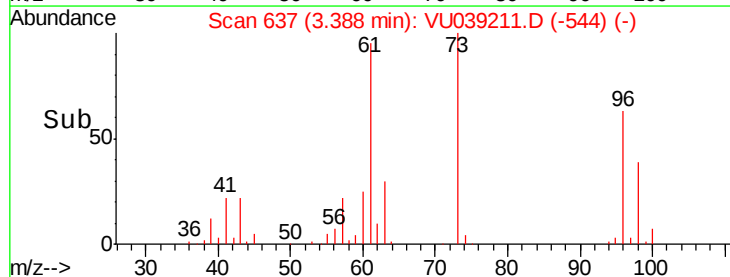
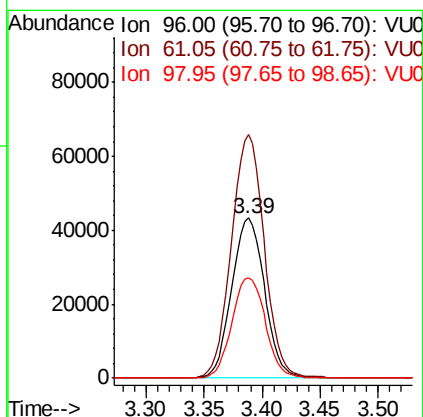
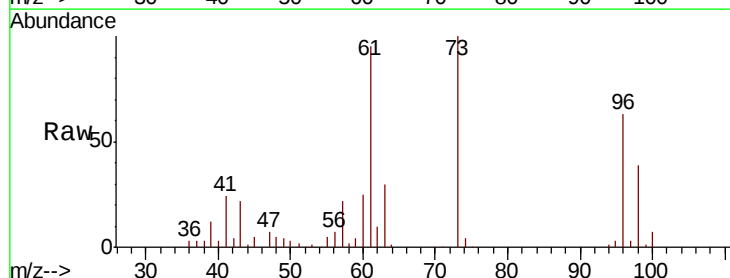
Tot Ion:	73	Resp:	219817
Ion	Ratio	Lower	Upper
73	100		
43	21.7	17.4	26.0
57	21.8	17.9	26.9

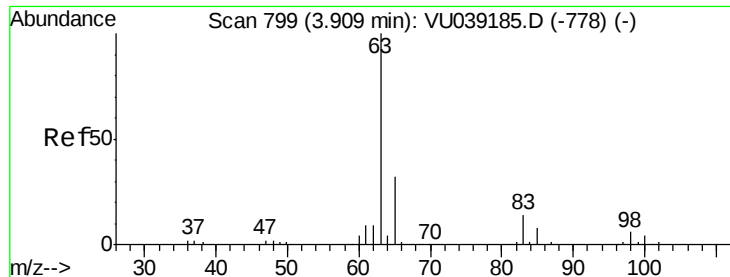


#18

trans-1,2-Dichloroethene
 Concen: 4.851 ug/L
 RT: 3.39 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion:	96	Resp:	85194
Ion	Ratio	Lower	Upper
96	100		
61	152.2	100.5	186.7
98	63.0	44.7	83.1

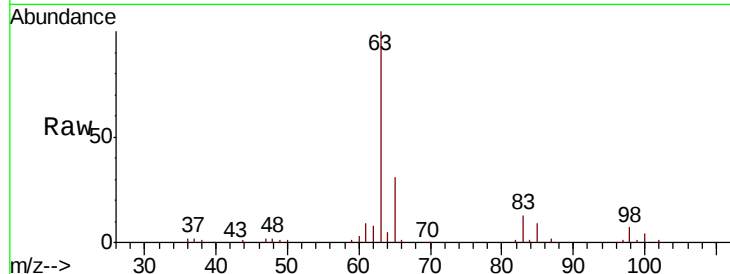




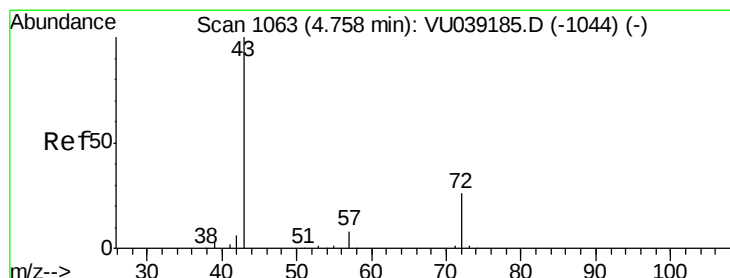
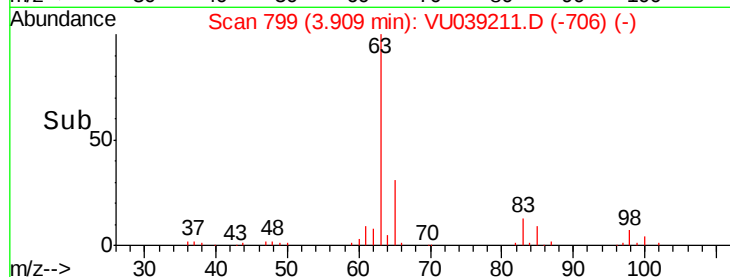
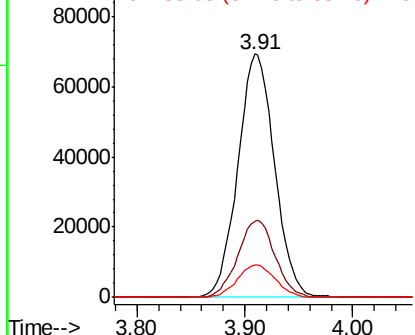
#19
 1,1-Dichloroethane
 Concen: 4.892 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 63 Resp: 164079
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.4 41.6
 83 13.1 9.2 17.2

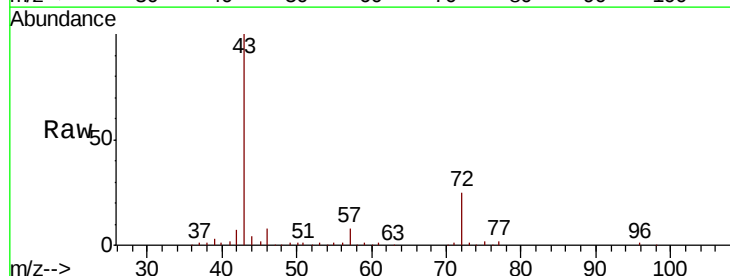


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

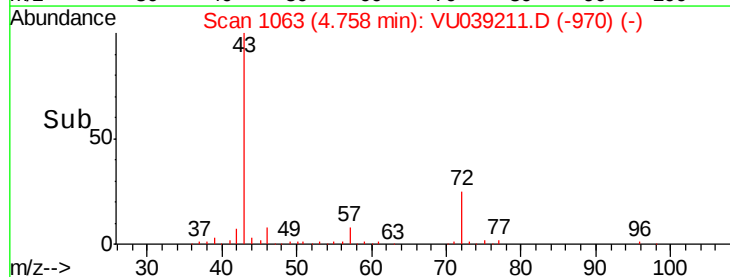
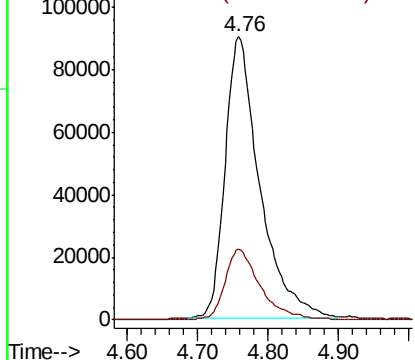


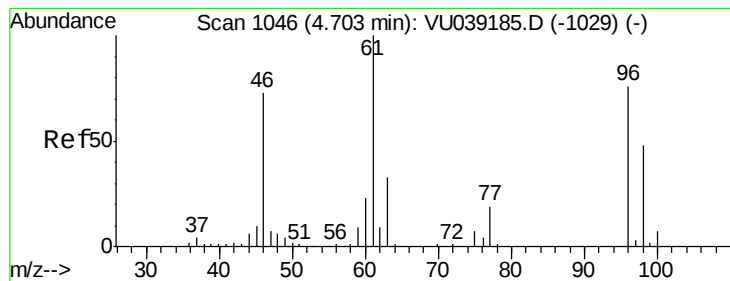
#21
 2-Butanone
 Concen: 50.200 ug/L
 RT: 4.76 min Scan# 1063
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion: 43 Resp: 307105
 Ion Ratio Lower Upper
 43 100
 72 26.1 13.2 39.6



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: 5.097 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

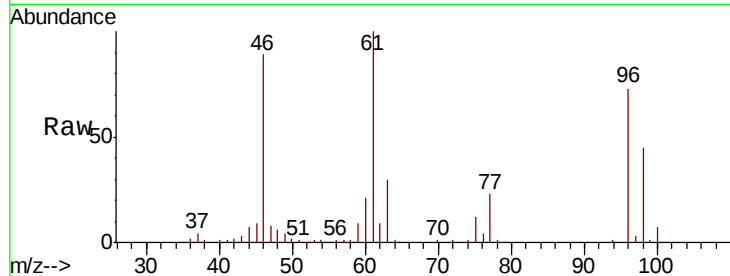
Tot Ion: 96 Resp: 89897

Ion Ratio Lower Upper

96 100

61 136.2 96.3 178.9

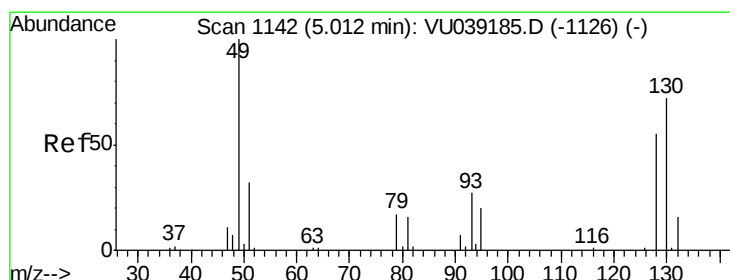
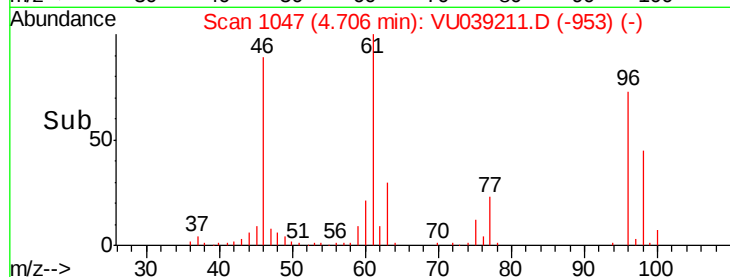
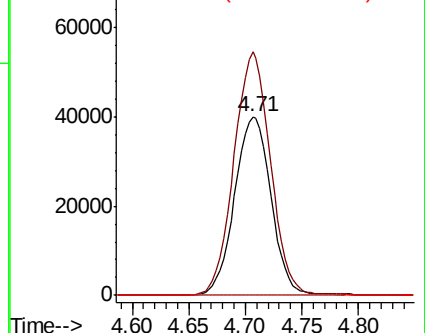
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039211.D (-953) (-)

Ion 61.05 (60.75 to 61.75): VU039211.D (-953) (-)

Ion 68.15 (67.85 to 68.85): VU039211.D (-953) (-)



#23

Bromochloromethane

Concen: 5.092 ug/L

RT: 5.02 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Tgt Ion: 128 Resp: 43363

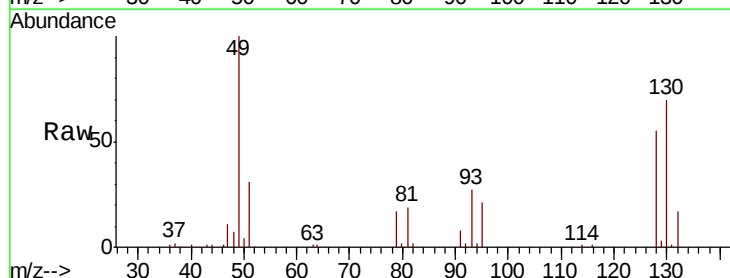
Ion Ratio Lower Upper

128 100

49 180.6 126.7 235.3

130 126.0 86.2 160.2

51 55.5 47.5 71.3

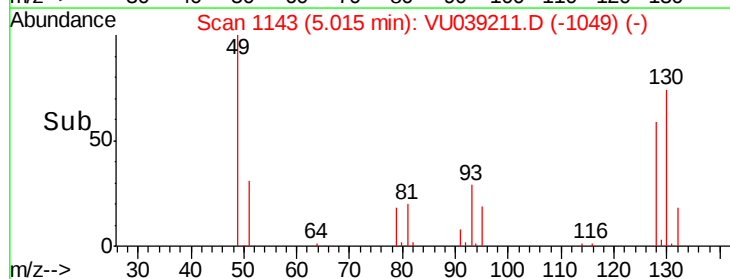
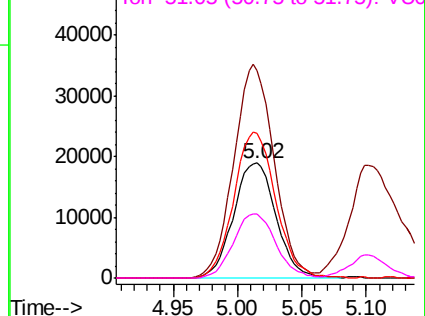


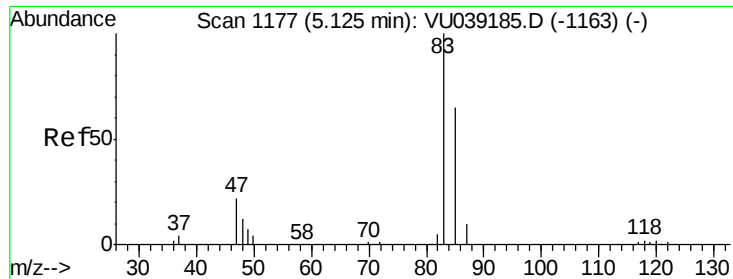
Abundance Ion 127.90 (127.60 to 128.60): VU039211.D (-1049) (-)

Ion 49.10 (48.80 to 49.80): VU039211.D (-1049) (-)

Ion 129.95 (129.65 to 130.65): VU039211.D (-1049) (-)

Ion 51.05 (50.75 to 51.75): VU039211.D (-1049) (-)

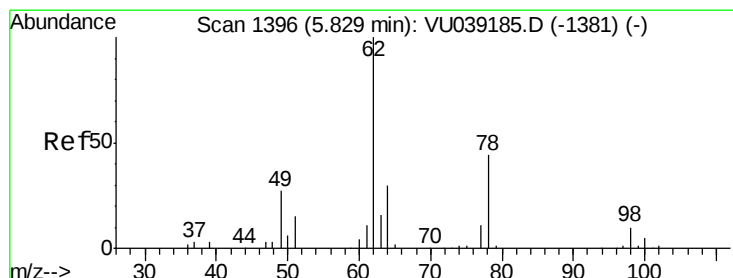
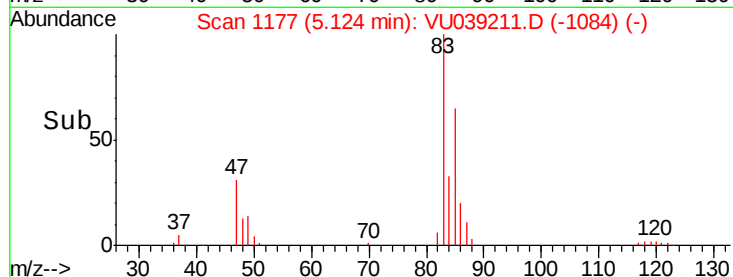
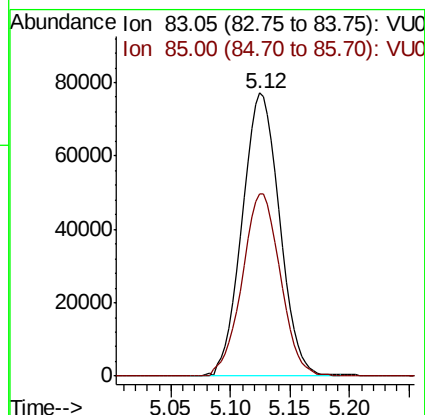
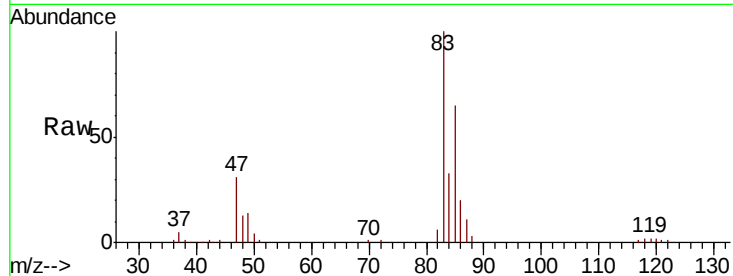




#25
Chloroform
Concen: 5.043 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

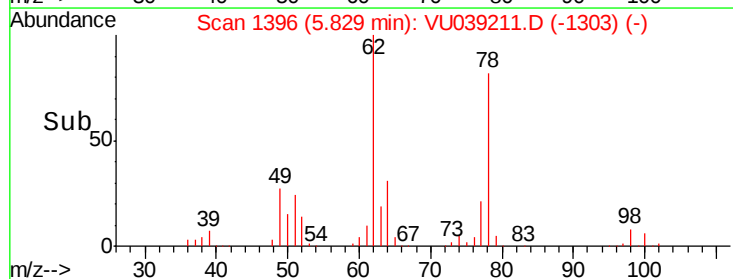
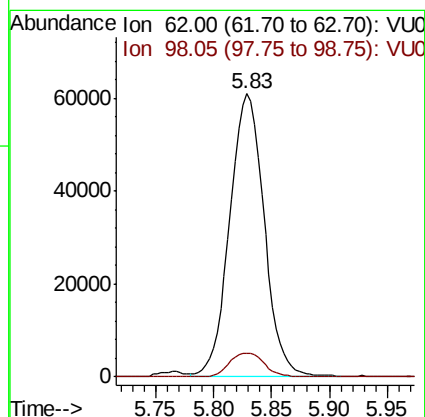
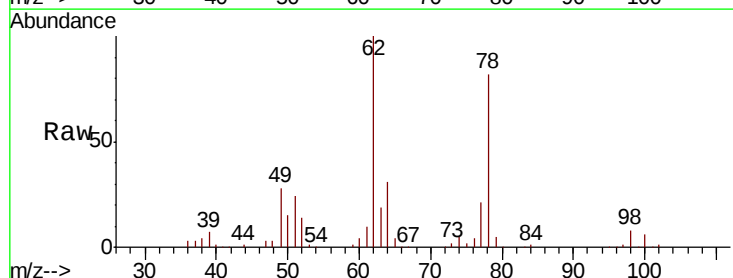
Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

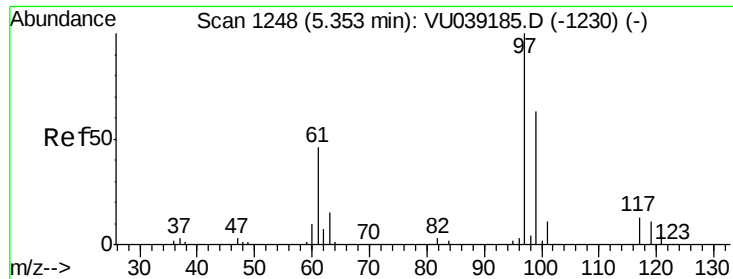
Tot Ion: 83 Resp: 168379
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.069 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion: 62 Resp: 125105
Ion Ratio Lower Upper
62 100
98 8.4 7.3 10.9

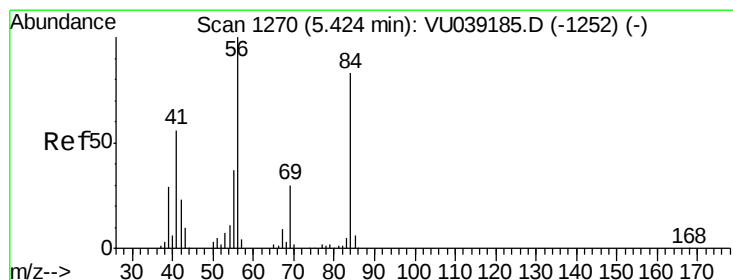
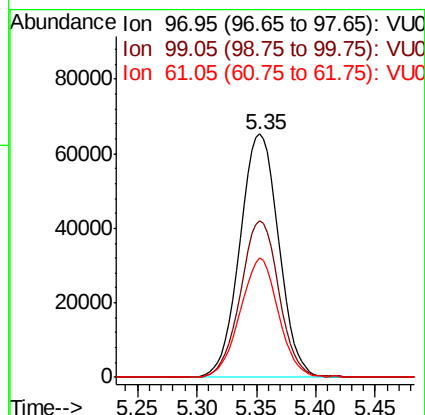
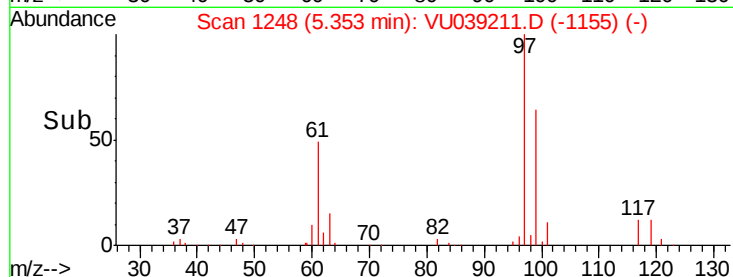
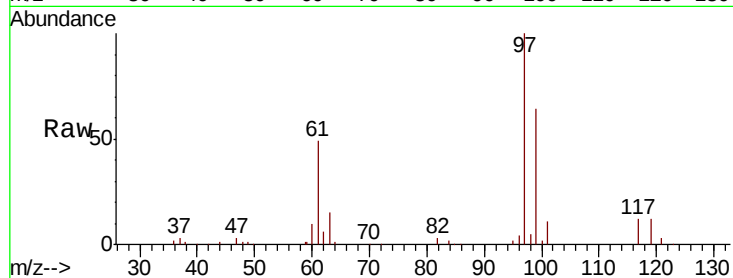




#29
 1,1,1-Trichloroethane
 Concen: 4.915 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

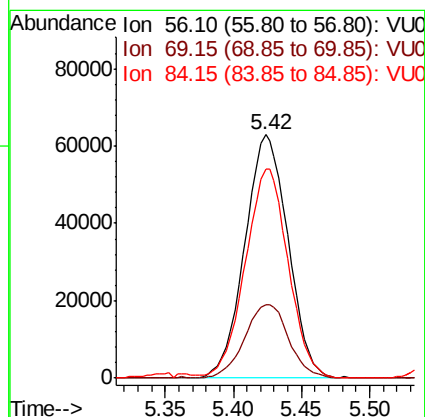
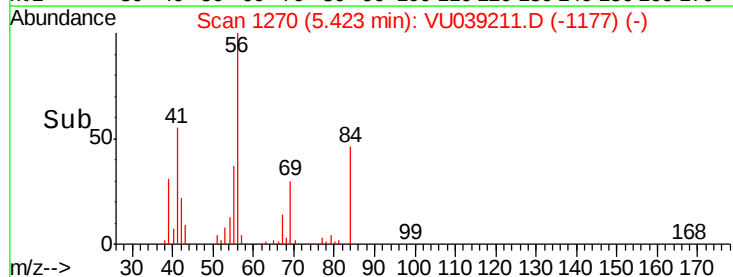
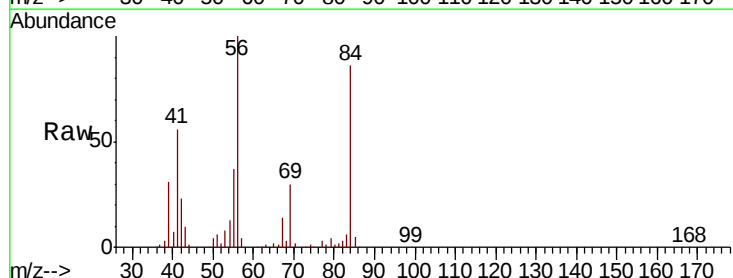
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

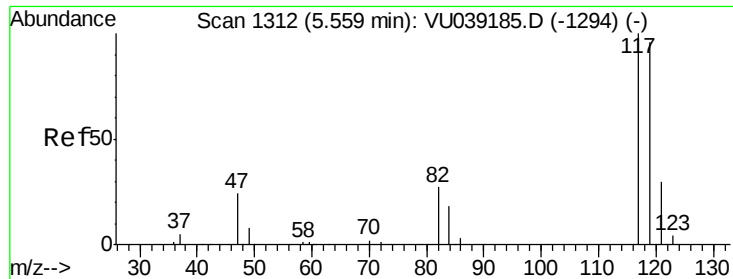
Tot Ion: 97 Resp: 147820
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.2 76.8
 61 48.1 37.3 55.9



#30
 Cyclohexane
 Concen: 4.905 ug/L
 RT: 5.42 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion: 56 Resp: 138349
 Ion Ratio Lower Upper
 56 100
 69 30.7 25.0 37.4
 84 85.6 69.4 104.2

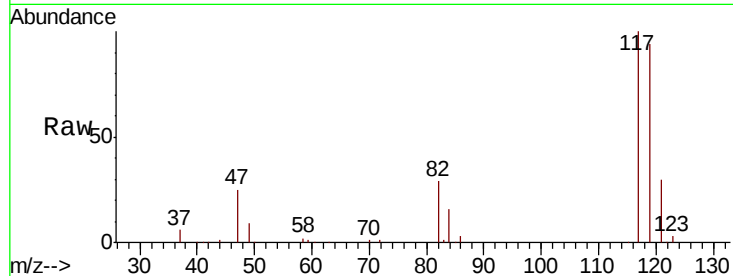




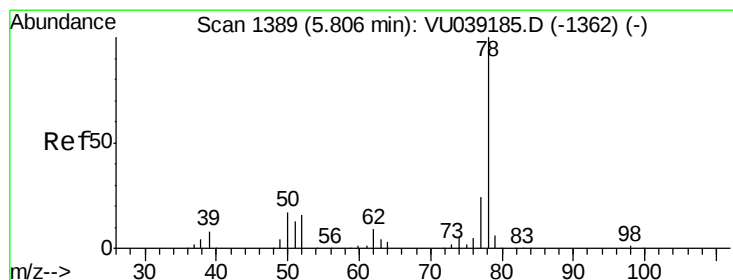
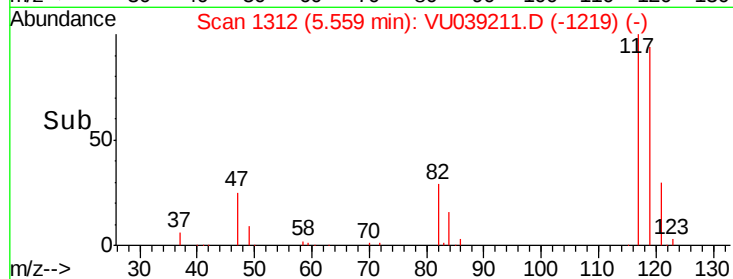
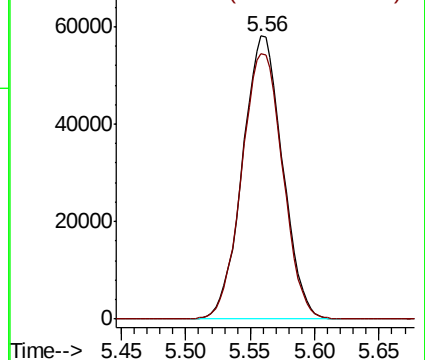
#31
Carbon tetrachloride
Concen: 4.960 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:117 Resp: 125478
Ion Ratio Lower Upper
117 100
119 96.5 76.6 114.8

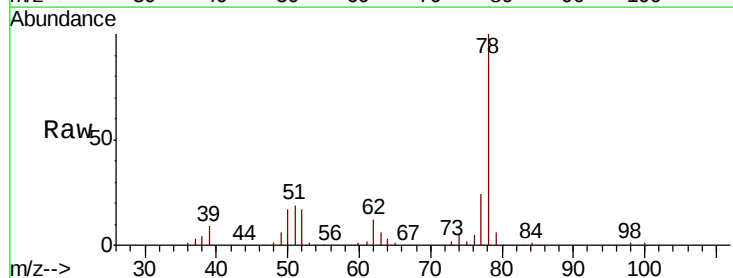


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

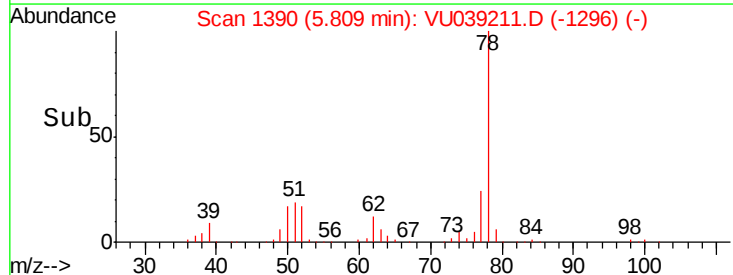
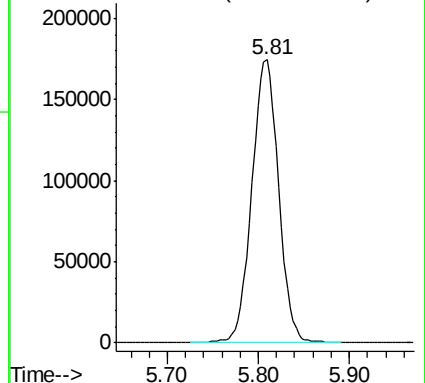


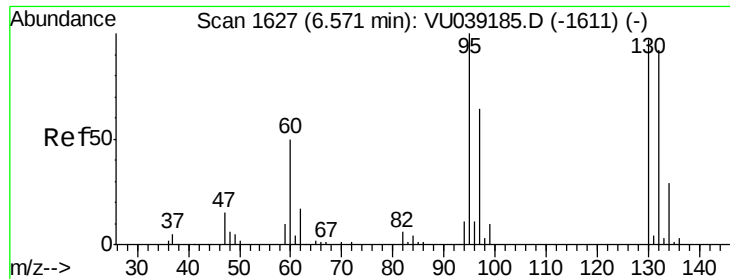
#33
Benzene
Concen: 4.939 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion: 78 Resp: 357283



Abundance Ion 78.10 (77.80 to 78.80): VU0

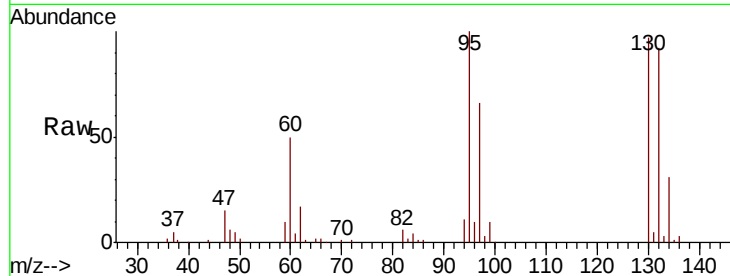




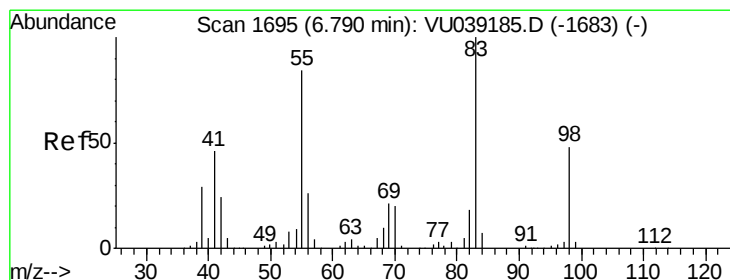
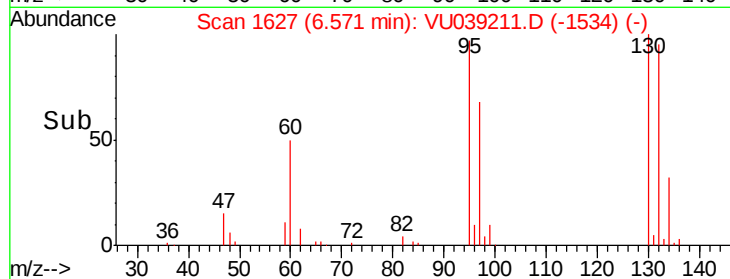
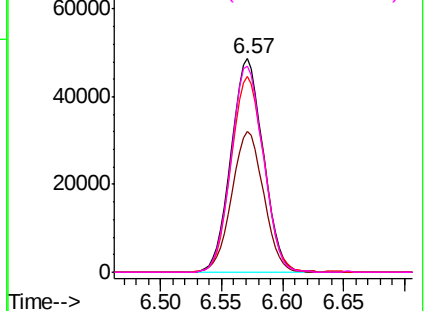
#34
 Trichloroethene
 Concen: 4.861 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion: 95 Resp: 89888
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.0 81.8
 132 91.7 61.2 113.8
 130 96.6 66.4 123.4

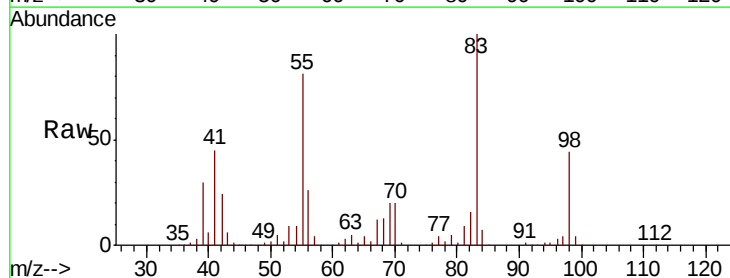


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

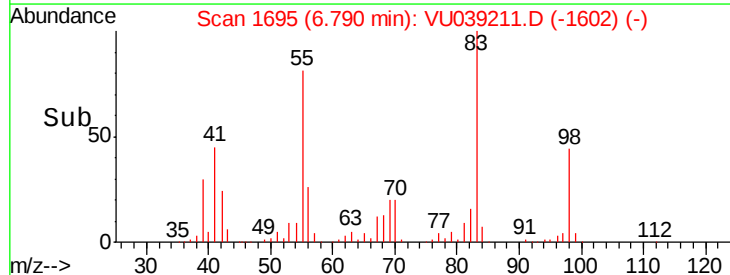
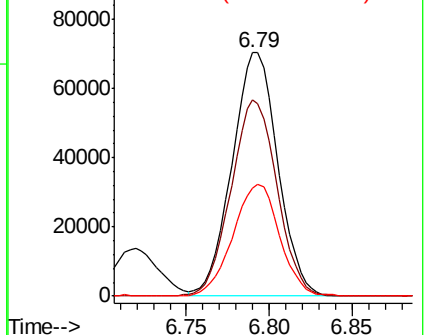


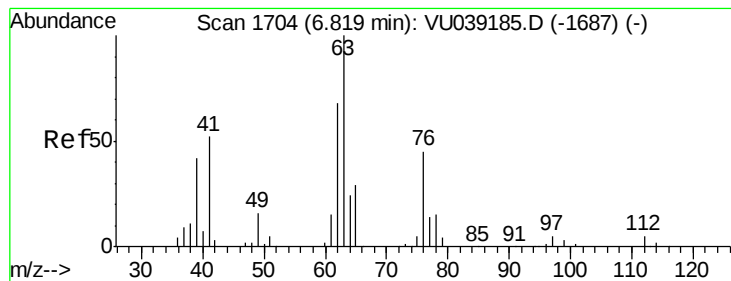
#35
 Methylcyclohexane
 Concen: 4.903 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion: 83 Resp: 135130
 Ion Ratio Lower Upper
 83 100
 55 80.9 65.5 98.3
 98 46.8 38.2 57.4



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: 4.807 ug/L

RT: 6.82 min Scan# 1704

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

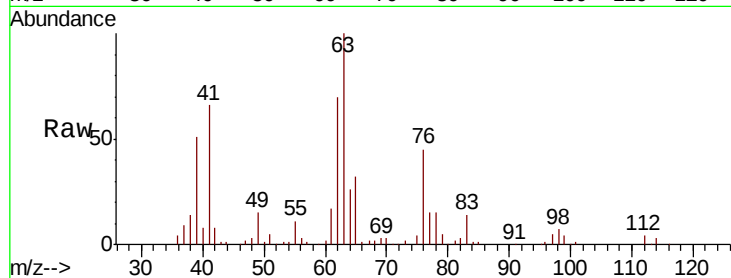
VSTD00522

Tot Ion: 63 Resp: 92270

Ion Ratio Lower Upper

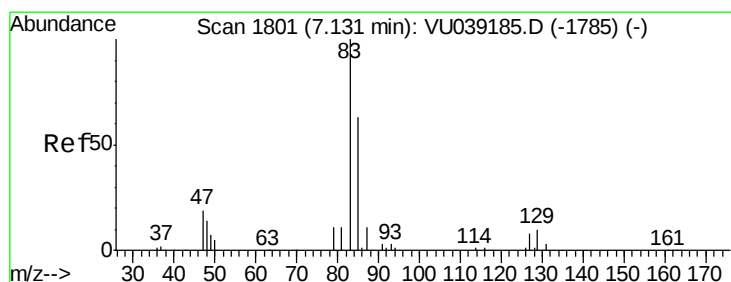
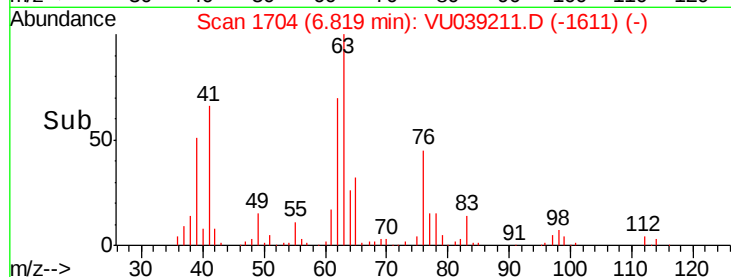
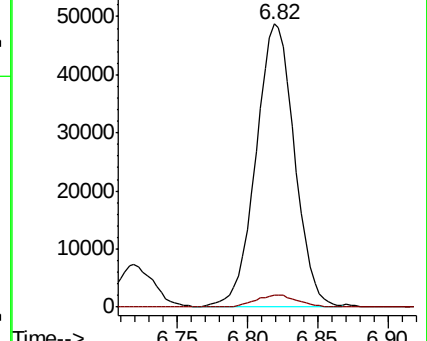
63 100

112 4.6 3.4 5.2



Abundance Ion 63.10 (62.80 to 63.80): VU039211.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU039211.D (-1687) (-)



#38

Bromodichloromethane

Concen: 5.012 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

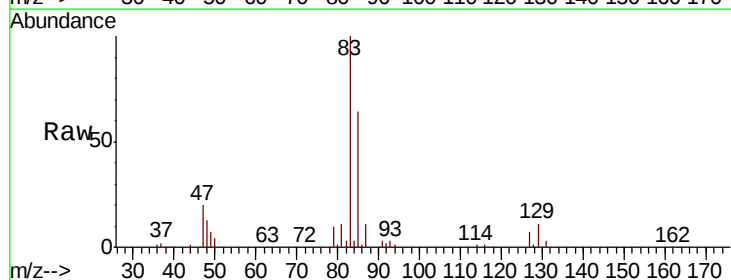
Tgt Ion: 83 Resp: 122744

Ion Ratio Lower Upper

83 100

85 64.1 43.4 80.6

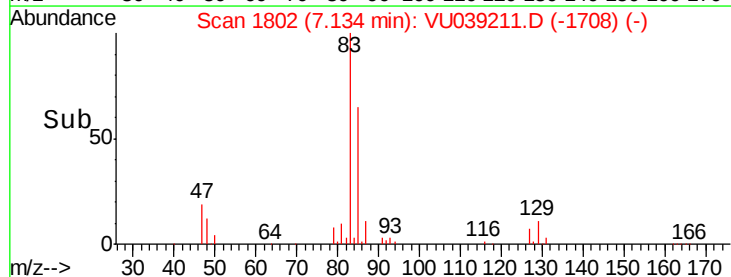
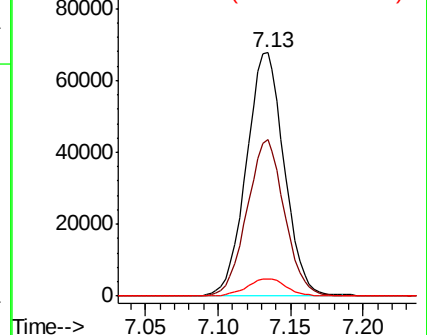
127 7.2 6.2 9.2

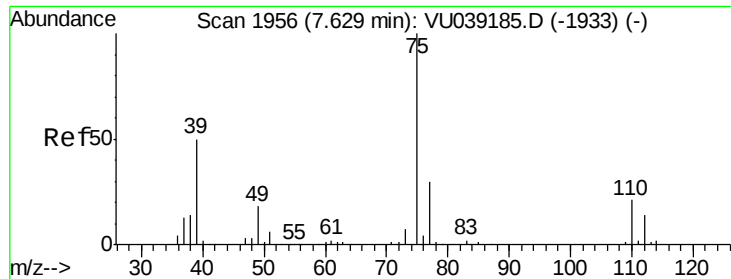


Abundance Ion 82.95 (82.65 to 83.65): VU039211.D (-1785) (-)

Ion 85.00 (84.70 to 85.70): VU039211.D (-1785) (-)

Ion 126.90 (126.60 to 127.60): VU039211.D (-1785) (-)

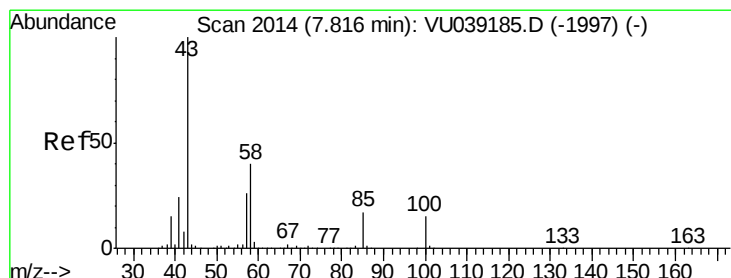
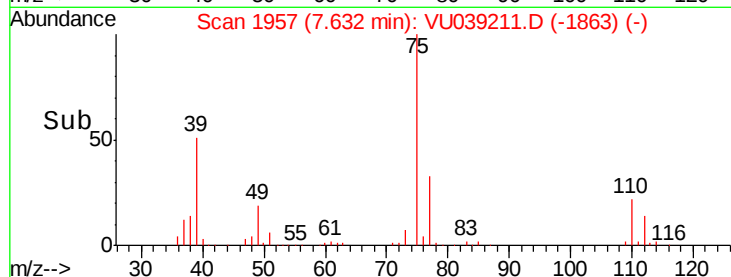
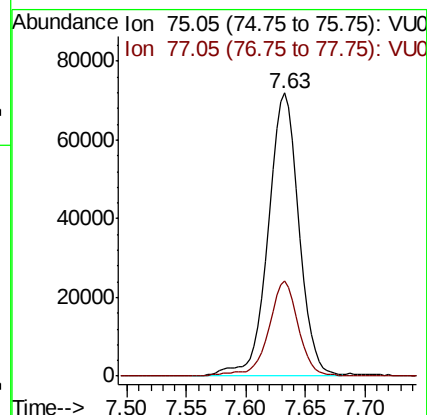
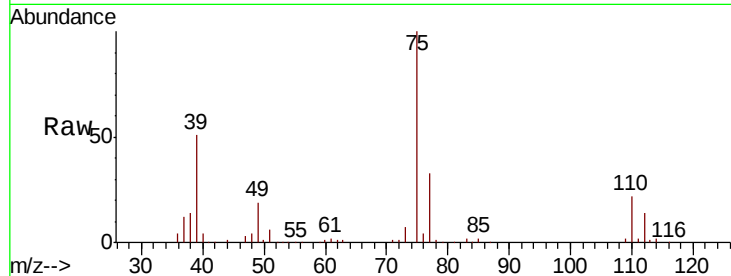




#39
 cis-1,3-Dichloropropene
 Concen: 4.678 ug/L
 RT: 7.63 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

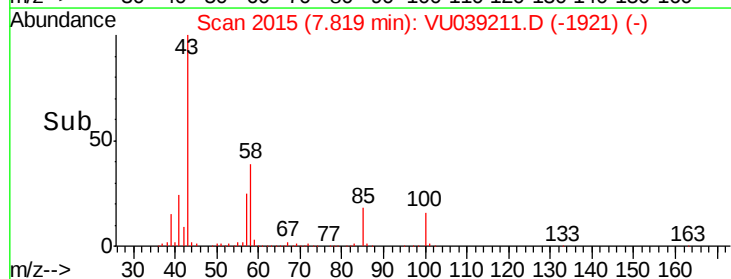
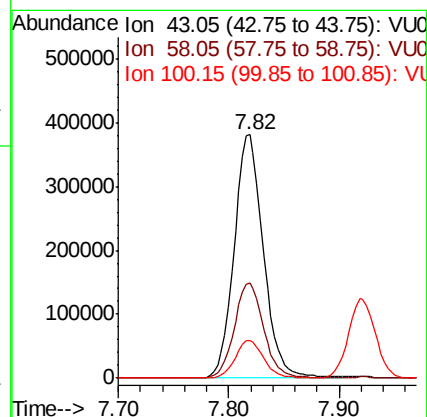
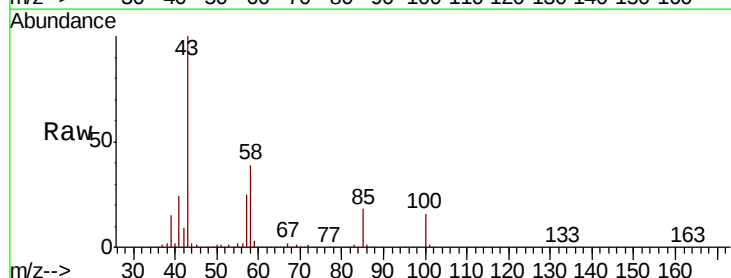
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

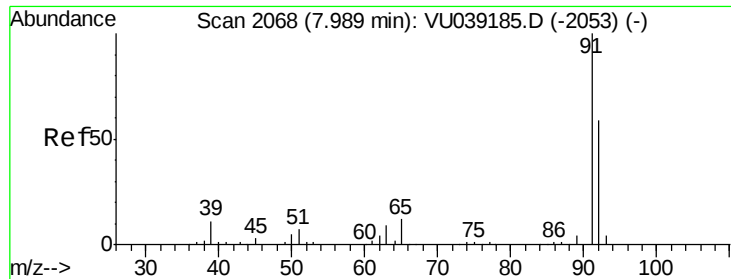
Tot Ion: 75 Resp: 128926
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 50.461 ug/L
 RT: 7.82 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion: 43 Resp: 699581
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.3 46.9
 100 15.1 12.2 18.4





#42

Toluene

Concen: 5.123 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. 0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

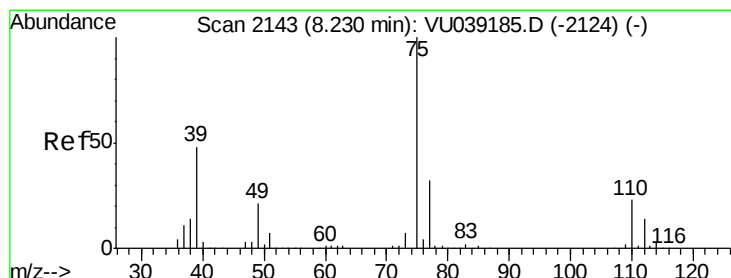
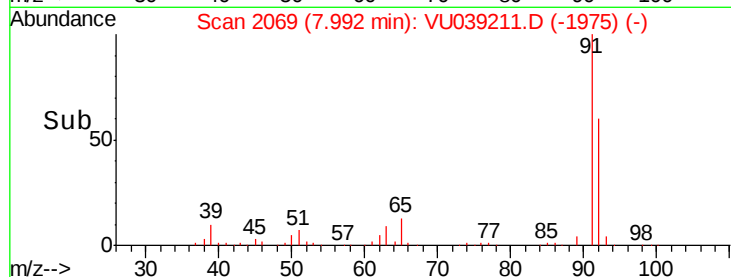
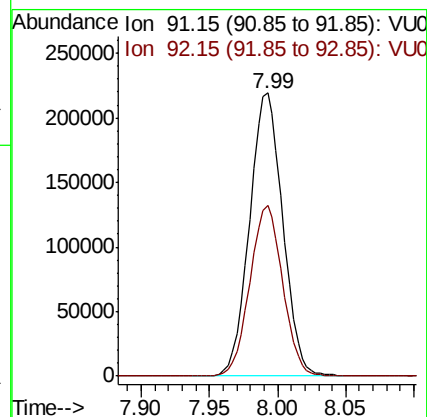
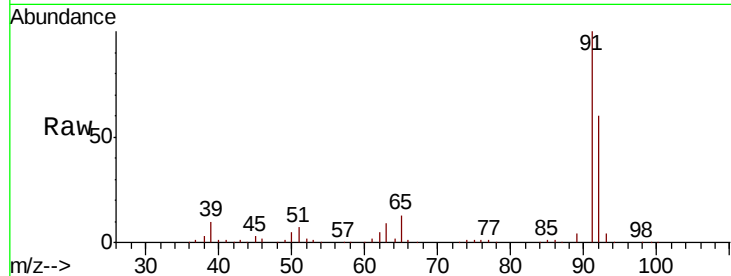
VSTD00522

Tot Ion: 91 Resp: 369983

Ion Ratio Lower Upper

91 100

92 60.2 42.4 78.6



#44

trans-1,3-Dichloropropene

Concen: 4.487 ug/L

RT: 8.23 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU039211.D

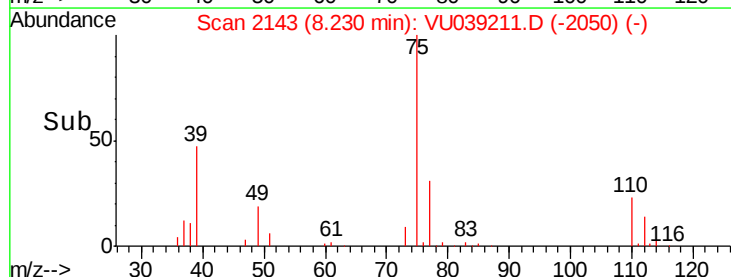
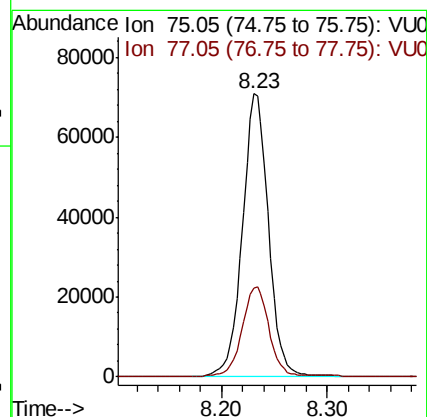
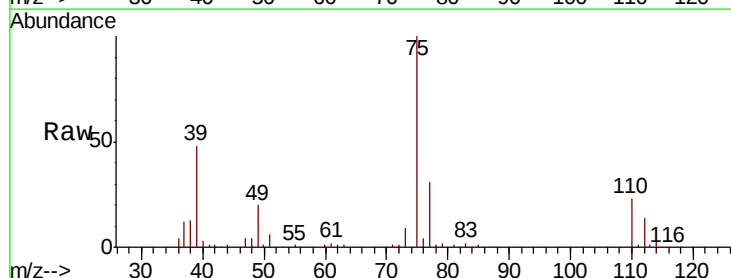
Acq: 29 Jun 2020 22:54

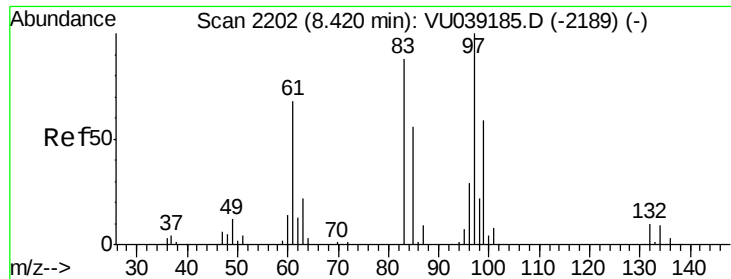
Tgt Ion: 75 Resp: 121496

Ion Ratio Lower Upper

75 100

77 31.4 22.1 41.1

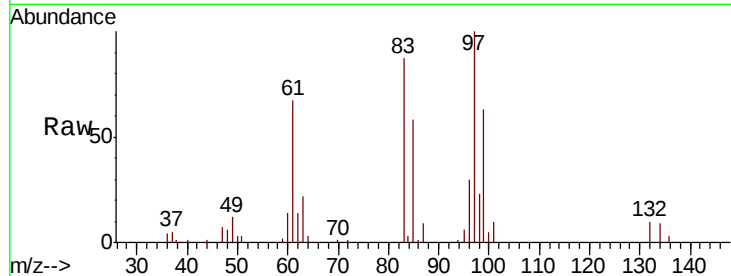




#45
 1,1,2-Trichloroethane
 Concen: 4.997 ug/L
 RT: 8.42 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:	97	Resp:	71065
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.5	80.7
83	87.3	59.1	109.9
85	57.9	39.3	73.1



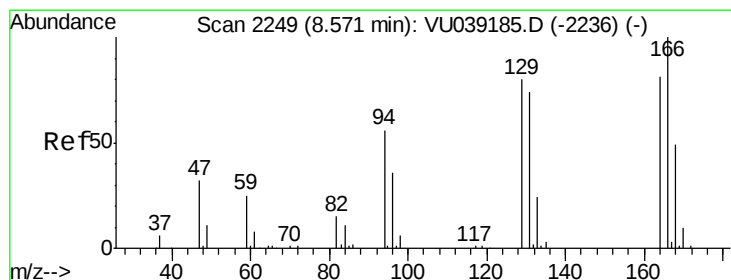
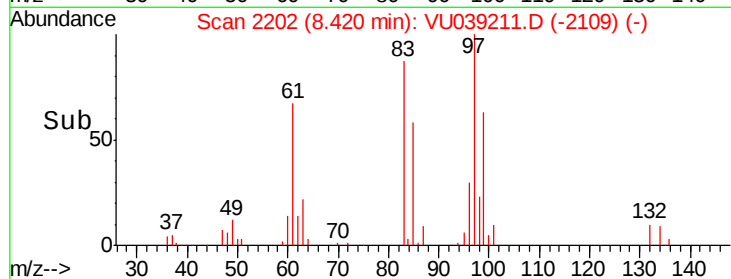
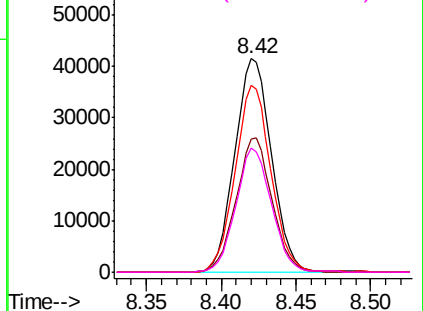
Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

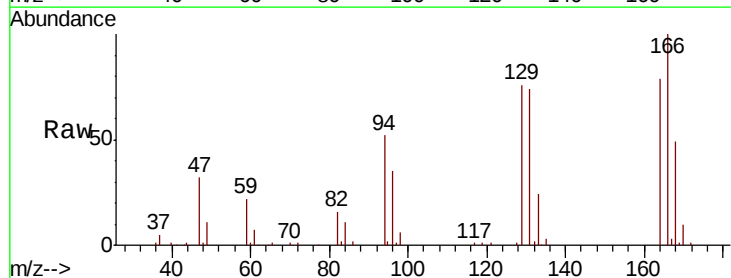
Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47
 Tetrachloroethene
 Concen: 4.874 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion:	164	Resp:	64834
Ion	Ratio	Lower	Upper
164	100		
129	96.1	67.6	125.6
131	93.9	66.1	122.7
166	127.2	86.8	161.2



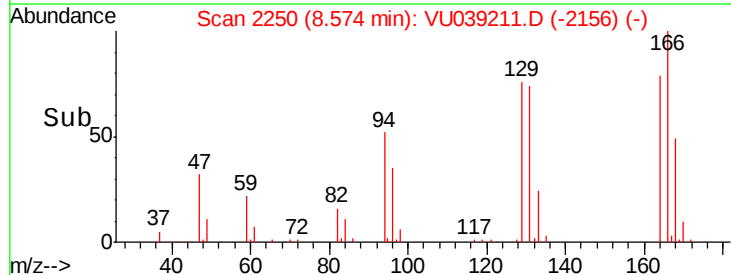
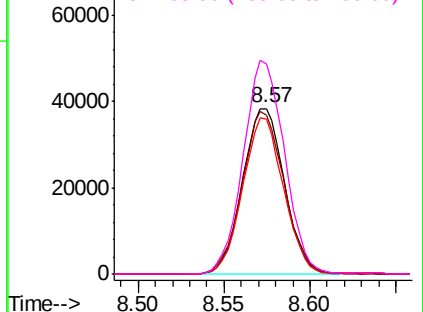
Abundance

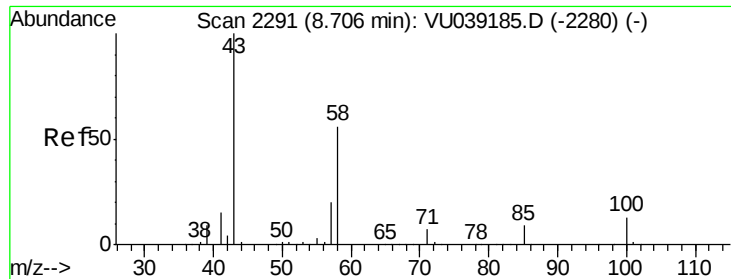
Ion 163.90 (163.60 to 164.60): V

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

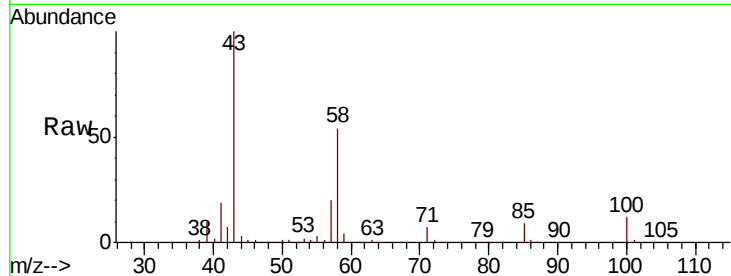




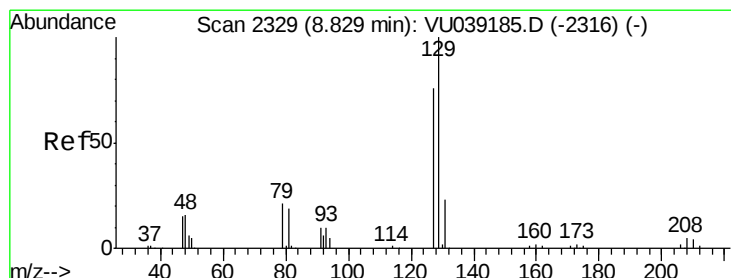
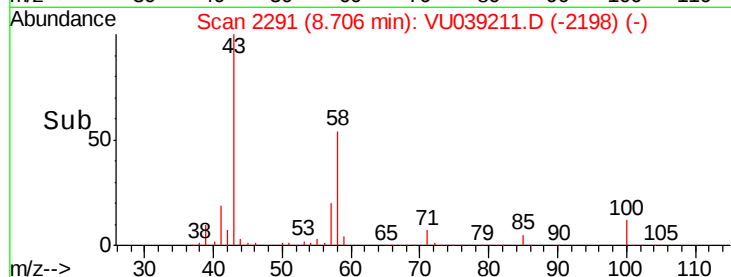
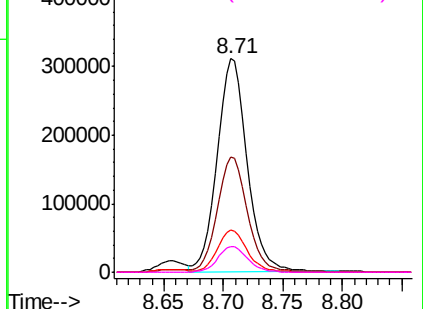
#48
2-Hexanone
Concen: 51.405 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion: 43 Resp: 544014
Ion Ratio Lower Upper
43 100
58 55.0 43.6 65.4
57 19.6 15.6 23.4
100 12.3 9.4 14.2

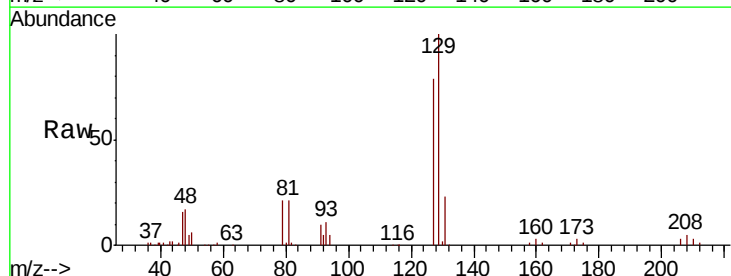


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

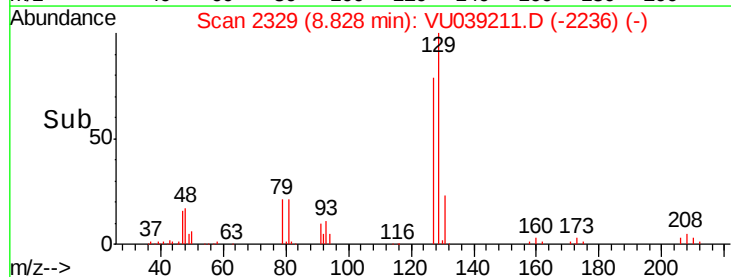
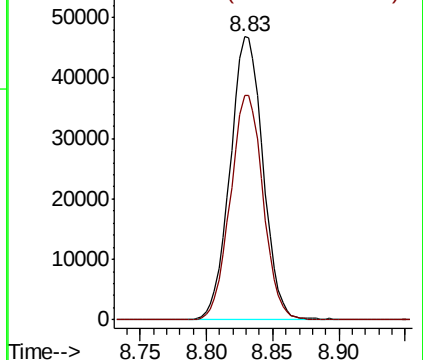


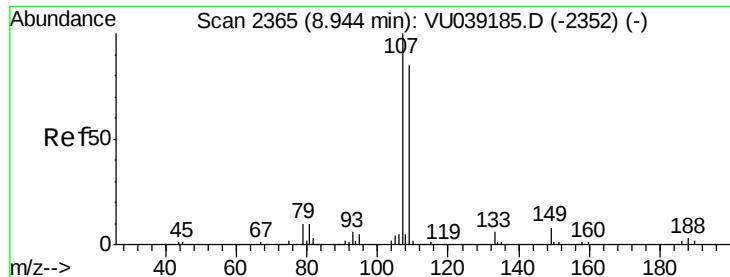
#49
Dibromochloromethane
Concen: 4.934 ug/L
RT: 8.83 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion: 129 Resp: 80823
Ion Ratio Lower Upper
129 100
127 79.1 53.5 99.3



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

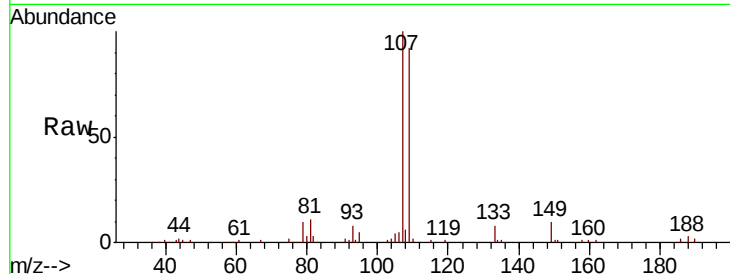




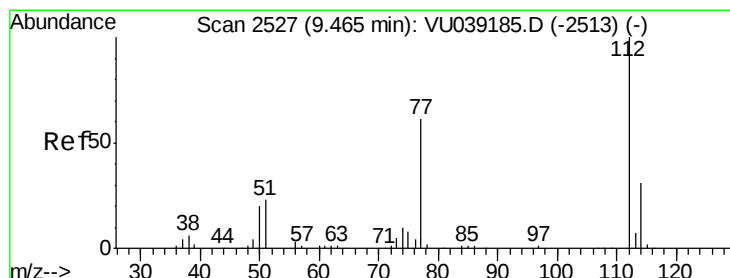
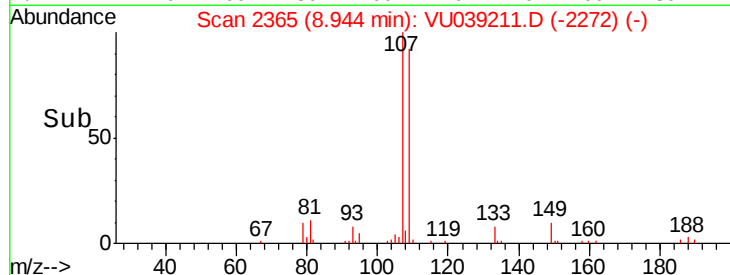
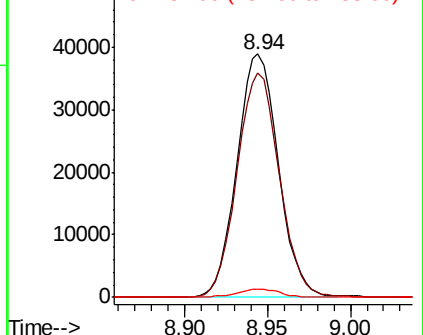
#50
 1,2-Dibromoethane
 Concen: 4.881 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion:107 Resp: 67722
 Ion Ratio Lower Upper
 107 100
 109 92.4 67.7 125.7
 188 3.5 2.5 3.7

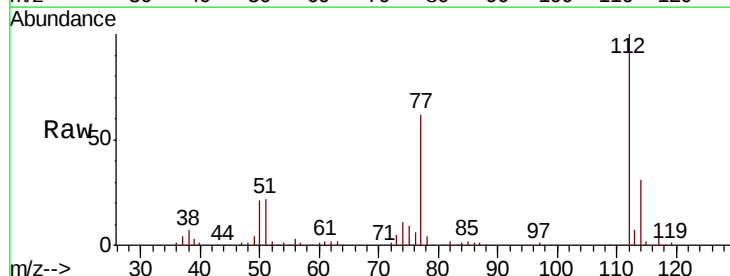


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

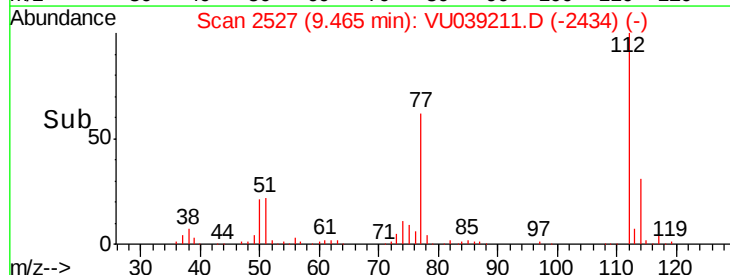
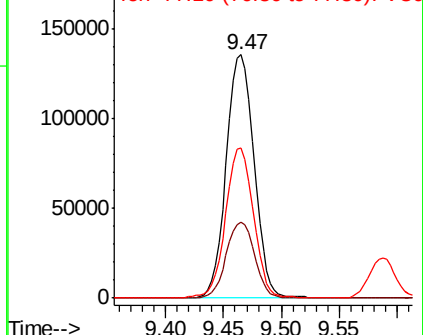


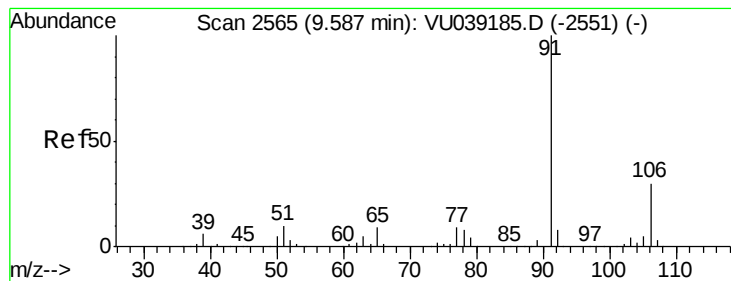
#51
 Chlorobenzene
 Concen: 4.936 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion:112 Resp: 227044
 Ion Ratio Lower Upper
 112 100
 114 31.0 22.6 42.0
 77 61.9 51.1 76.7



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: 4.939 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

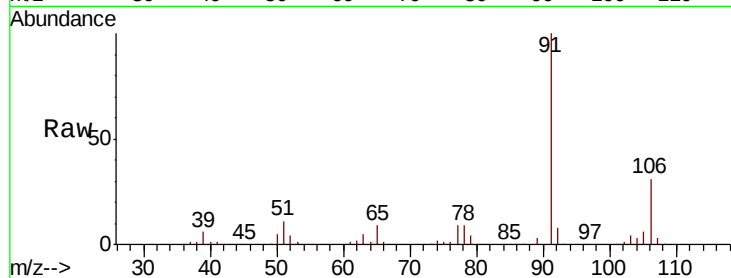
VSTD00522

Tot Ion: 91 Resp: 382774

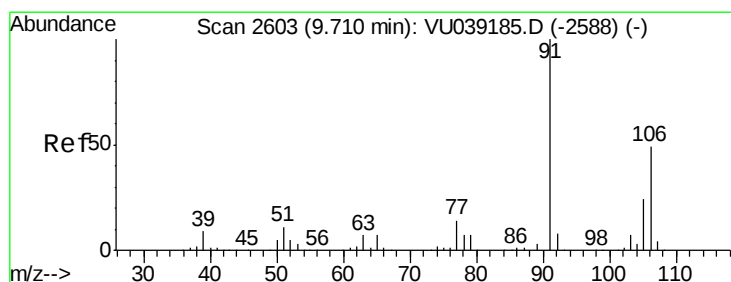
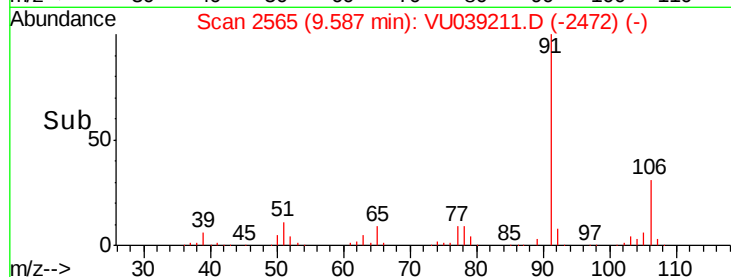
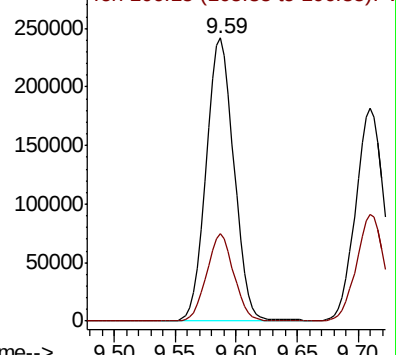
Ion Ratio Lower Upper

91 100

106 30.9 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VU039211.D (-2551) (-)



#53

m,p-Xylene

Concen: 5.122 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU039211.D

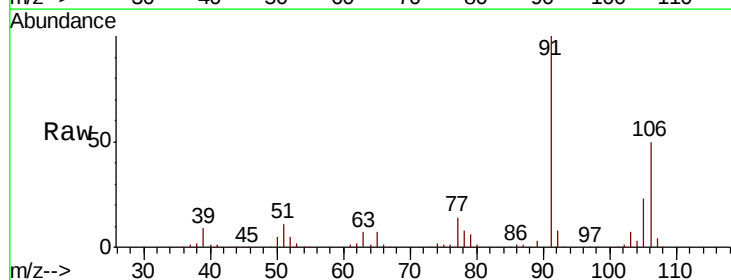
Acq: 29 Jun 2020 22:54

Tgt Ion: 106 Resp: 146287

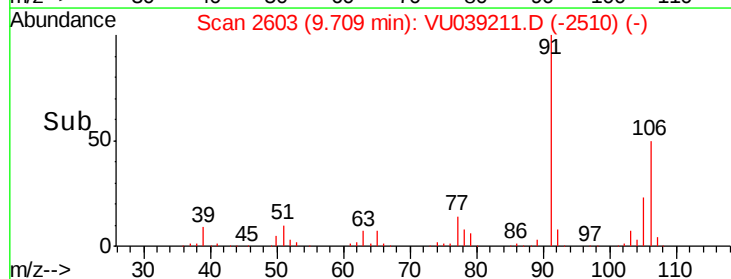
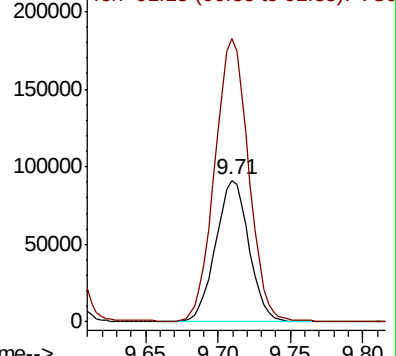
Ion Ratio Lower Upper

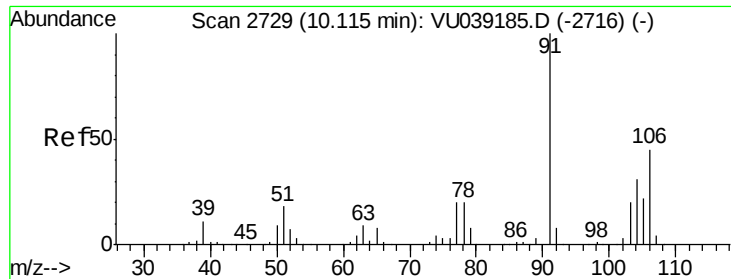
106 100

91 199.4 143.7 266.9



Abundance Ion 106.15 (105.85 to 106.85): VU039211.D (-2588) (-)

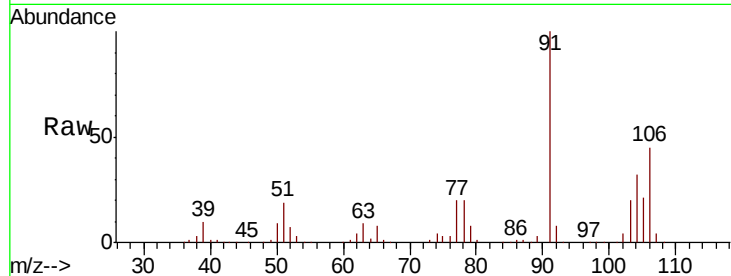




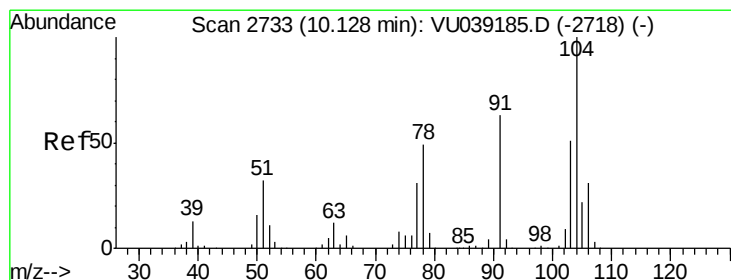
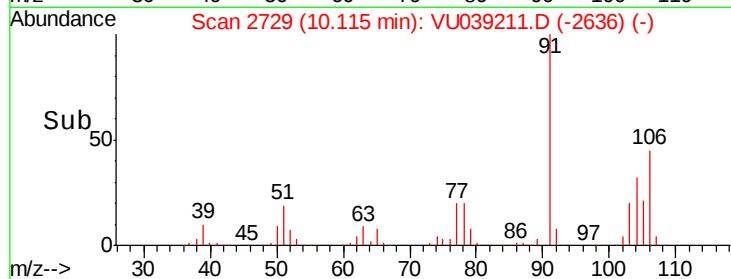
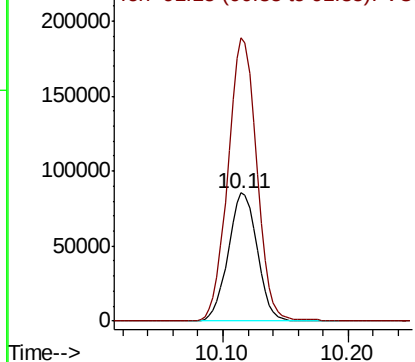
#54
o-Xylene
Concen: 4.997 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Instrument :
MSVOA_U
ClientSampleId :
VSTD00522

Tot Ion:106 Resp: 137329
Ion Ratio Lower Upper
106 100
91 220.9 153.2 284.6

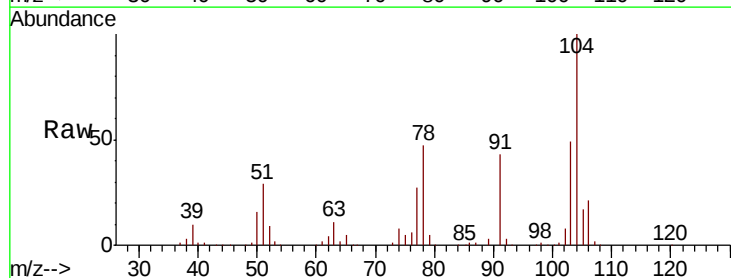


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

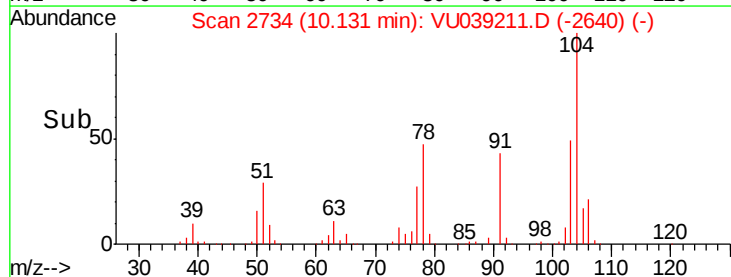
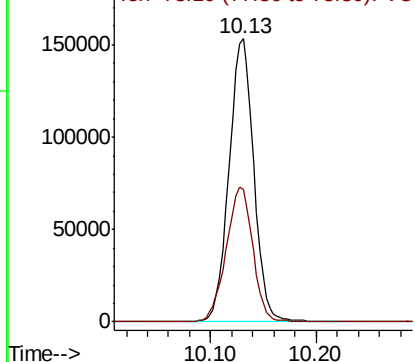


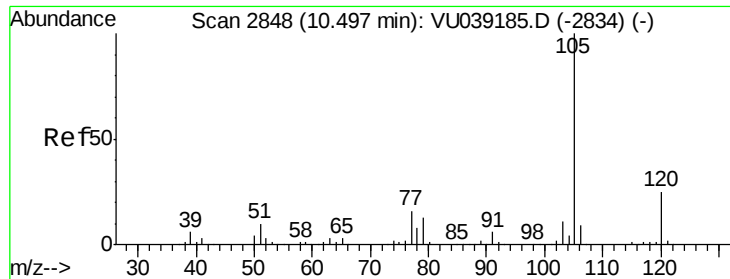
#55
Styrene
Concen: 5.210 ug/L
RT: 10.13 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU039211.D
Acq: 29 Jun 2020 22:54

Tgt Ion:104 Resp: 248406
Ion Ratio Lower Upper
104 100
78 46.6 33.5 62.1



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





#56

Isopropylbenzene

Concen: 4.897 ug/L

RT: 10.50 min Scan# 2848

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

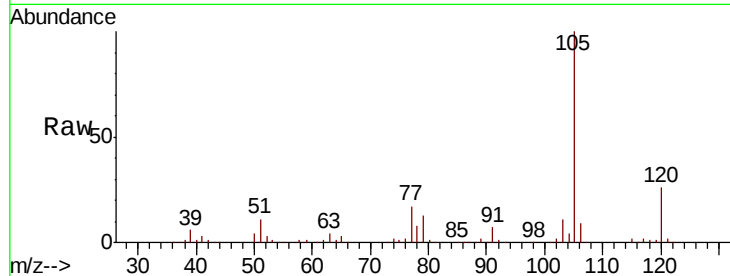
Tot Ion:105 Resp: 358116

Ion Ratio Lower Upper

105 100

120 25.6 20.1 30.1

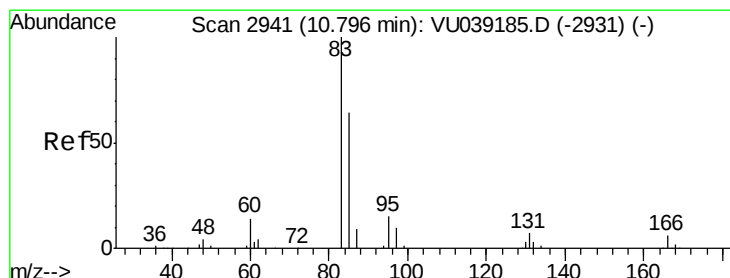
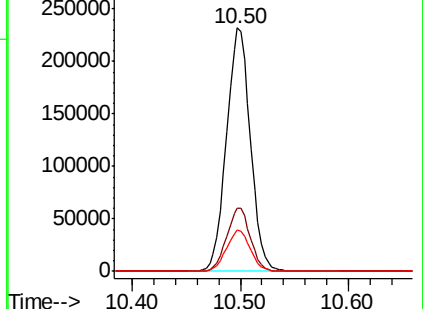
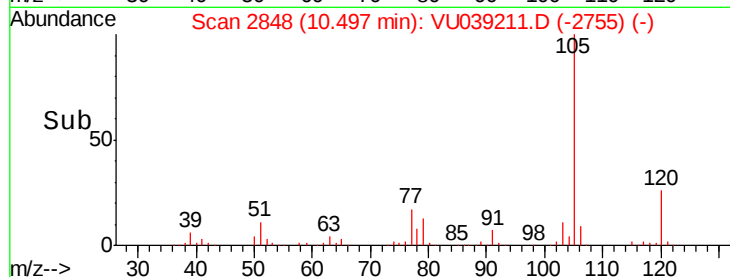
77 16.9 13.4 20.2



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: 4.638 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

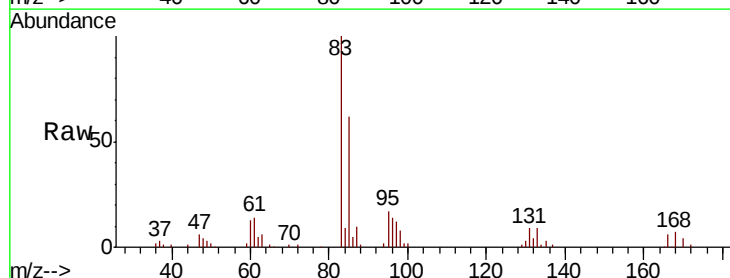
Tgt Ion: 83 Resp: 88027

Ion Ratio Lower Upper

83 100

85 61.9 43.4 80.6

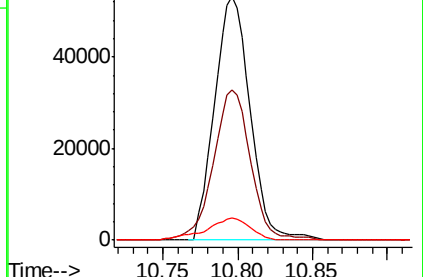
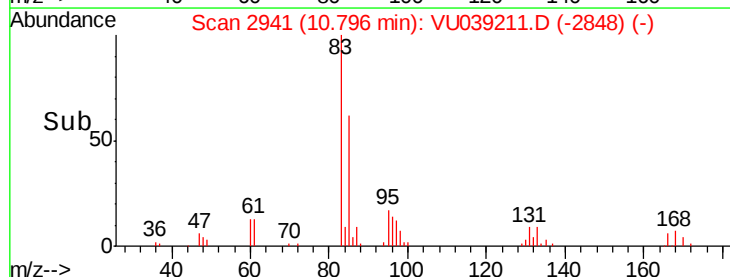
131 9.0 6.5 9.7

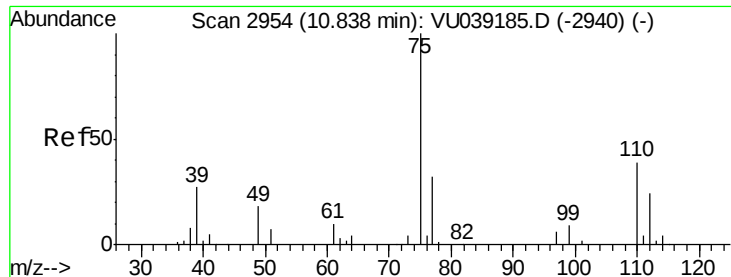


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.805 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

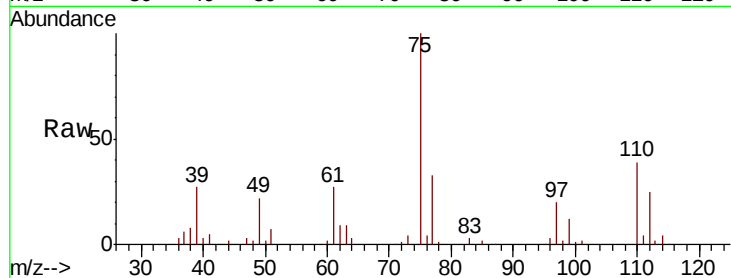
VSTD00522

Tot Ion: 75 Resp: 69417

Ion Ratio Lower Upper

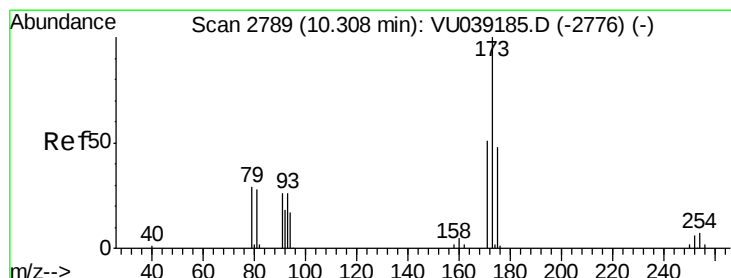
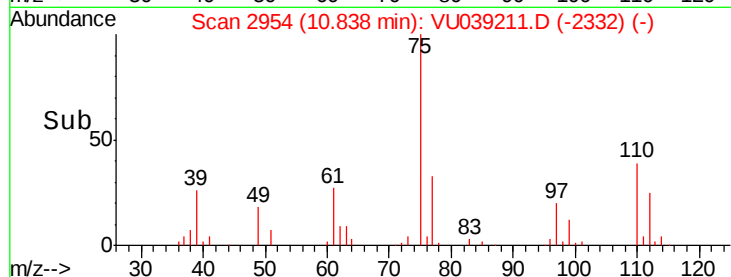
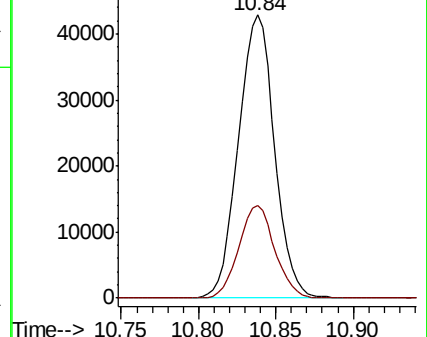
75 100

77 32.5 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU039211.D (-2332) (-)

Ion 77.00 (76.70 to 77.70): VU039211.D (-2332) (-)



#61

Bromoform

Concen: 4.921 ug/L

RT: 10.31 min Scan# 2789

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

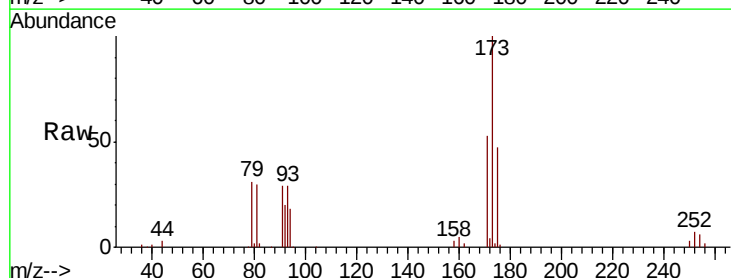
Tgt Ion: 173 Resp: 45281

Ion Ratio Lower Upper

173 100

175 46.3 39.3 58.9

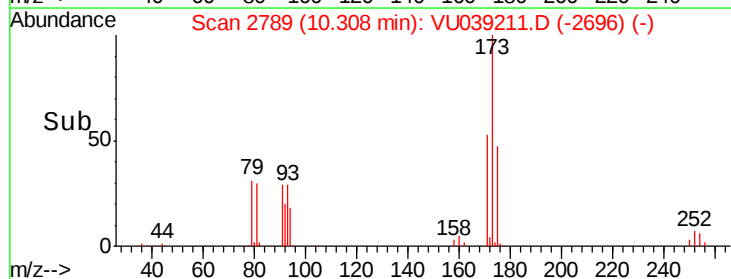
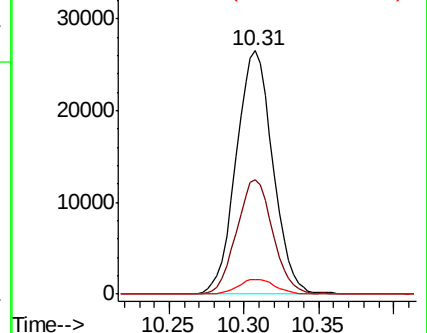
254 6.0 5.5 8.3

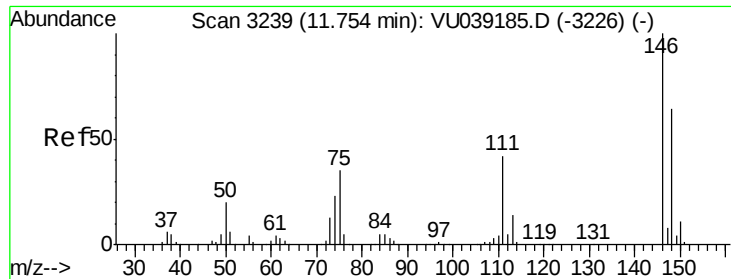


Abundance Ion 172.90 (172.60 to 173.60): VU039211.D (-2696) (-)

Ion 174.90 (174.60 to 175.60): VU039211.D (-2696) (-)

Ion 253.75 (253.45 to 254.45): VU039211.D (-2696) (-)

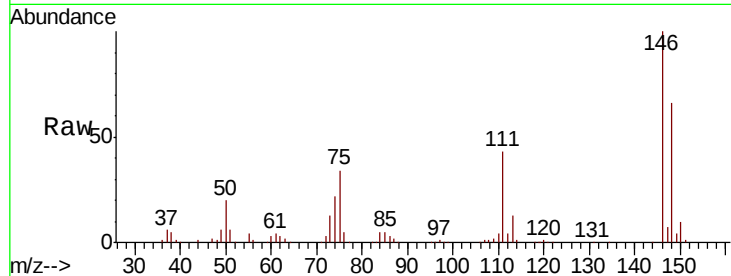




#62
 1,3-Dichlorobenzene
 Concen: 4.679 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	29.0	53.8
148	65.9	43.2	80.2

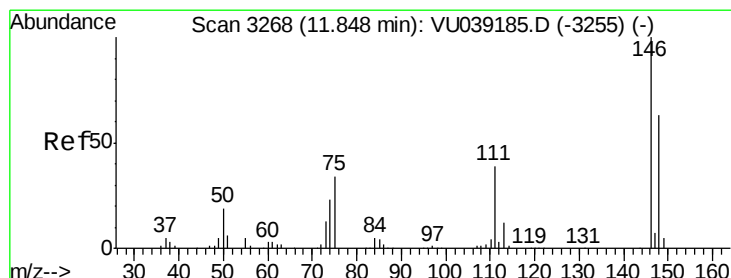
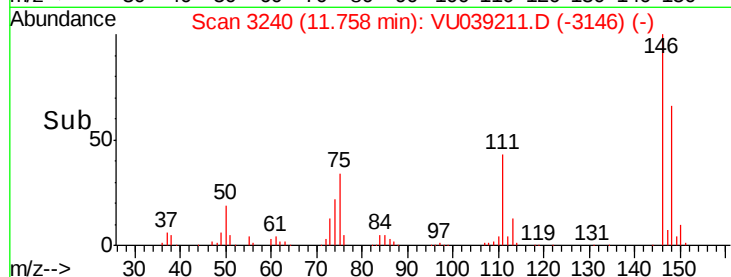
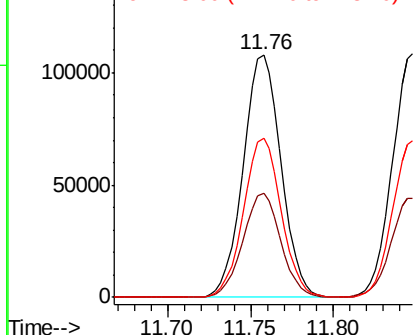


Abundance

Ion 145.95 (145.65 to 146.65): V

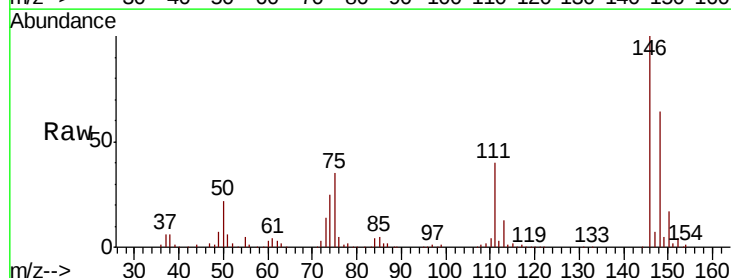
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63
 1,4-Dichlorobenzene
 Concen: 4.715 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	28.3	52.5
148	64.4	45.8	85.2

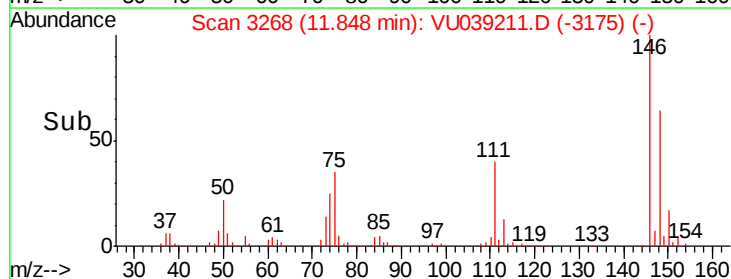
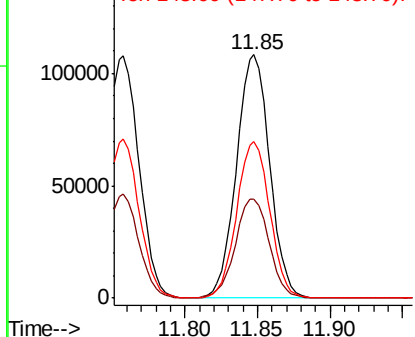


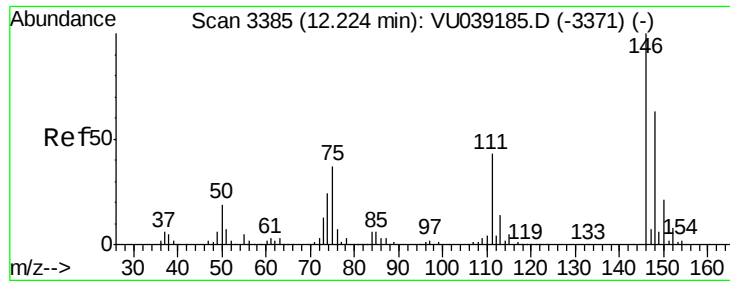
Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.764 ug/L

RT: 12.22 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

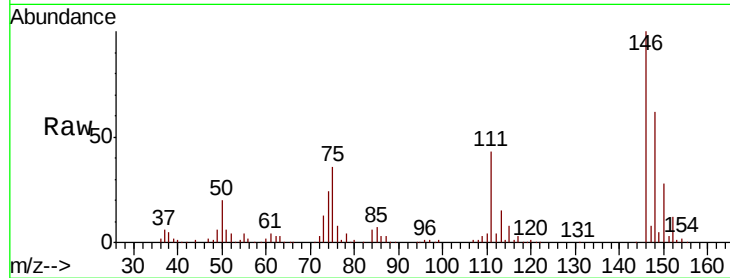
Tot Ion:146 Resp: 166271

Ion Ratio Lower Upper

146 100

111 42.7 34.7 52.1

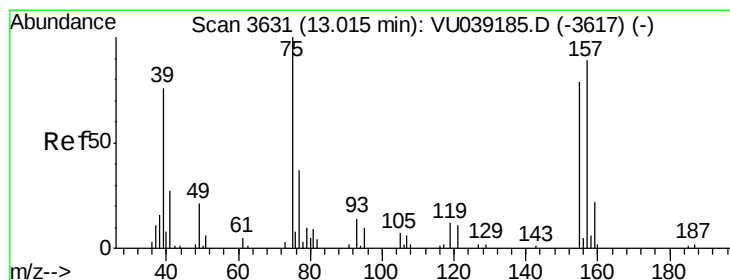
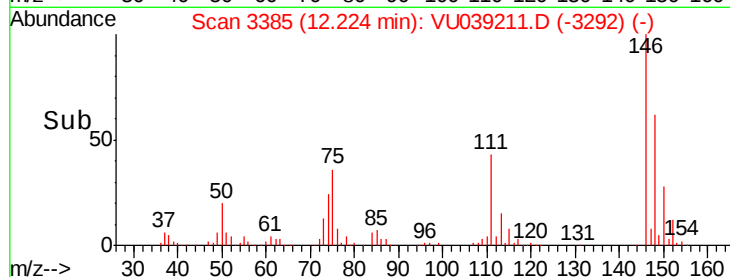
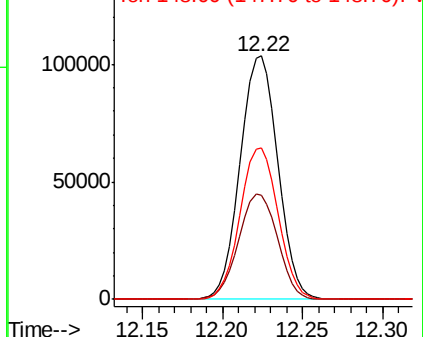
148 62.3 51.8 77.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.932 ug/L

RT: 13.01 min Scan# 3631

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

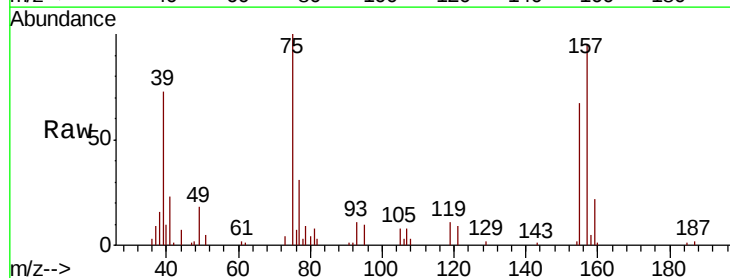
Tgt Ion: 75 Resp: 17483

Ion Ratio Lower Upper

75 100

155 66.9 53.8 80.8

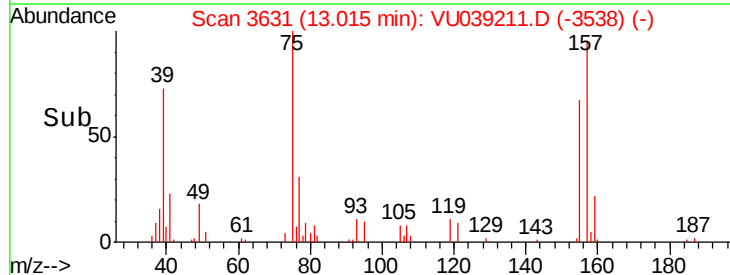
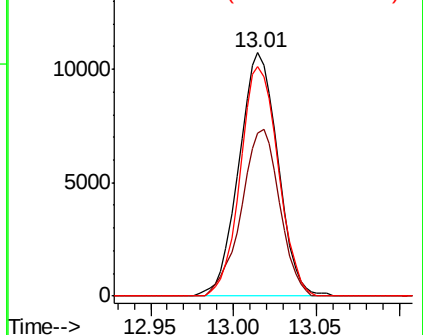
157 94.5 69.4 104.2

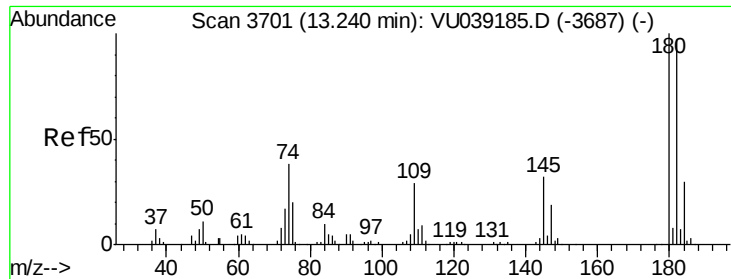


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

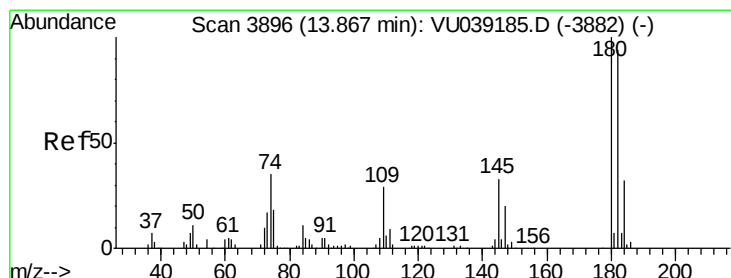
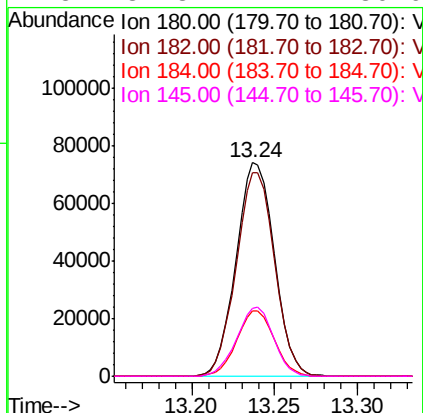
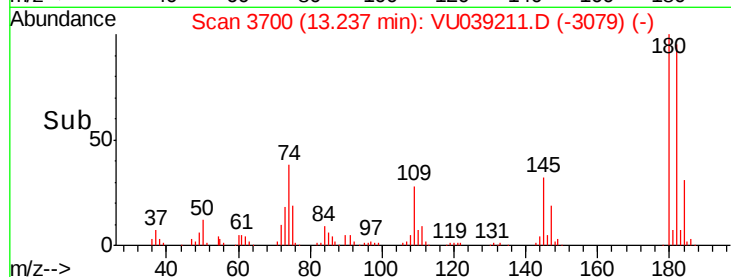
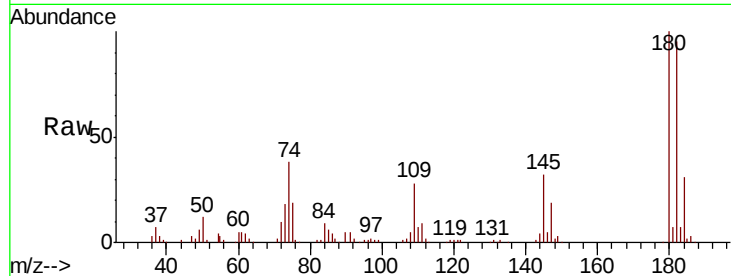




#67
 1,3,5-Trichlorobenzene
 Concen: 4.501 ug/L
 RT: 13.24 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

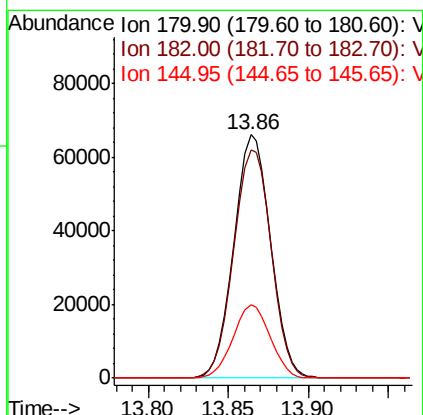
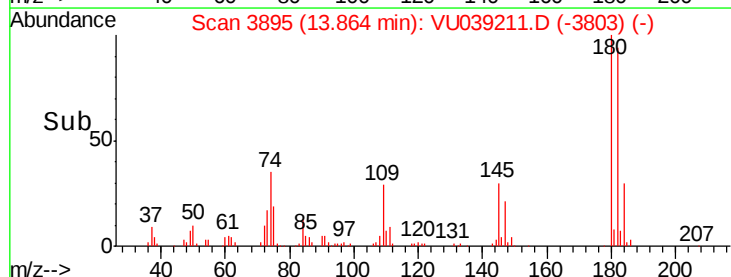
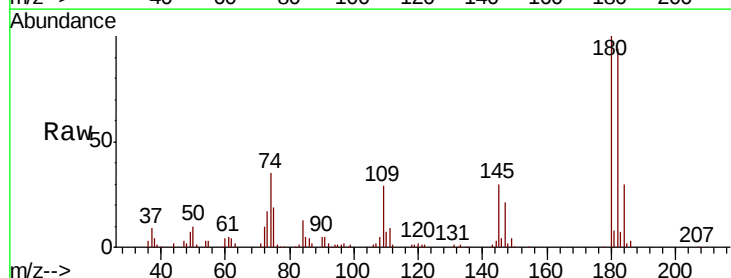
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00522

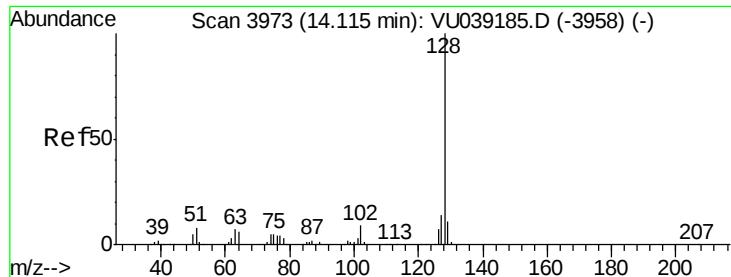
Tot Ion:180	Resp:	118781
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.5 116.3
184	30.1	25.1 37.7
145	31.3	24.4 36.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.486 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU039211.D
 Acq: 29 Jun 2020 22:54

Tgt Ion:180	Resp:	103377
Ion	Ratio	Lower Upper
180	100	
182	95.9	75.4 113.0
145	30.5	25.3 37.9





#69

Naphthalene

Concen: 4.472 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

Instrument :

MSVOA_U

ClientSampleId :

VSTD00522

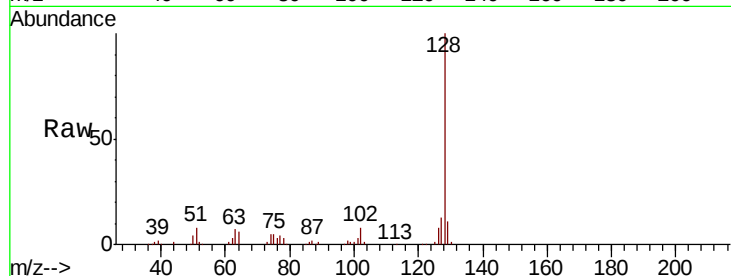
Tot Ion:128 Resp: 193516

Ion Ratio Lower Upper

128 100

129 10.5 8.8 13.2

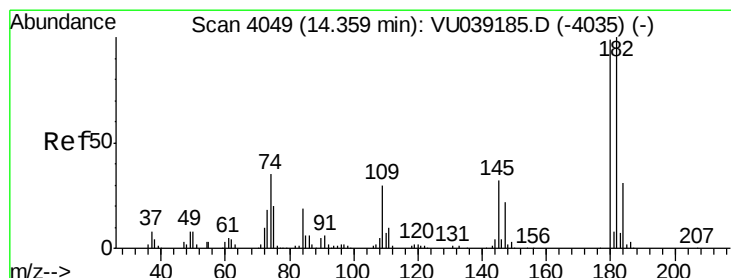
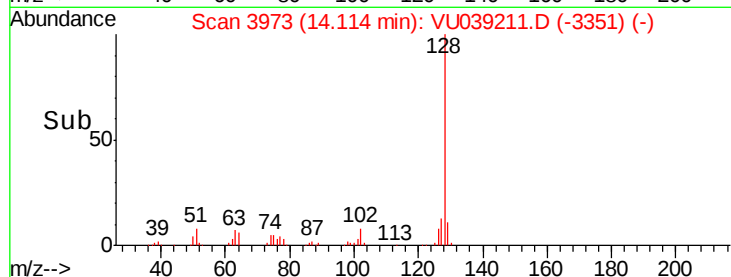
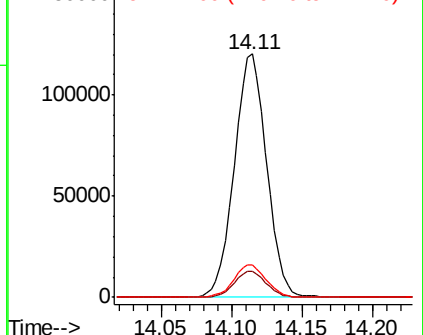
127 13.2 10.7 16.1



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: 4.684 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU039211.D

Acq: 29 Jun 2020 22:54

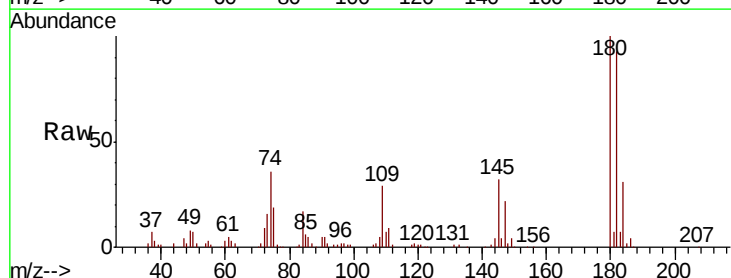
Tgt Ion:180 Resp: 99946

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 32.8 26.4 39.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

