

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
 Data File : VU040303.D
 Acq On : 25 Sep 2020 16:24
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Quant Time: Sep 26 04:52:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 04:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121670	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119418	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63411	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	36708	5.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.60%
7) Chloroethane-d5	1.92	69	33127	5.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	119.80%
11) 1,1-Dichloroethene-d2	2.58	63	90162	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	4.66	46	176339	66.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.74%#
24) Chloroform-d	5.08	84	82663	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.72	65	50483	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.74	84	150318	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.80%
36) 1,2-Dichloropropane-d6	6.70	67	50511	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.91	98	135602	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
43) trans-1,3-Dichloropropene-	8.19	79	21190	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	8.64	63	127366	63.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47997	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.19	152	53785	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	53804	4.456 ug/L	99
3) Chloromethane	1.53	50	59552	5.151 ug/L	99
5) Vinyl chloride	1.61	62	58636	5.003 ug/L	98
6) Bromomethane	1.87	94	31966	5.336 ug/L	95
8) Chloroethane	1.94	64	37451	5.317 ug/L	98
9) Trichlorofluoromethane	2.15	101	84729	5.047 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	55511	5.101 ug/L	96
12) 1,1-Dichloroethene	2.59	96	50071	5.318 ug/L	89
13) Acetone	2.67	43	142219	57.819 ug/L	96
14) Carbon disulfide	2.81	76	135589	4.491 ug/L	97
15) Methyl Acetate	2.97	43	32736	5.303 ug/L	99
16) Methylene chloride	3.06	84	59775	4.848 ug/L	94
17) Methyl tert-butyl Ether	3.38	73	145604	5.131 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	51428	5.077 ug/L	98
19) 1,1-Dichloroethane	3.89	63	112079	5.376 ug/L	99
21) 2-Butanone	4.74	43	240029	59.772 ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	58812	5.400 ug/L	96

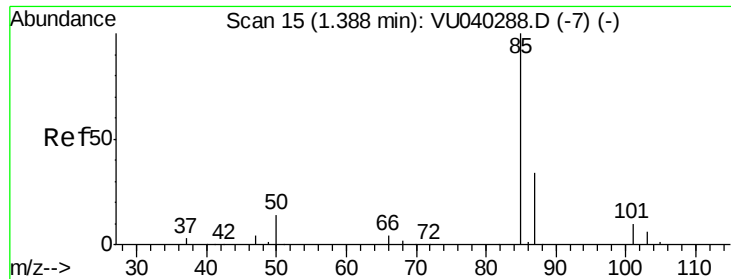
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092620\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 26 04:43:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	27077	5.674	ug/L	93
25) Chloroform	5.11	83	113874	5.333	ug/L	98
27) 1,2-Dichloroethane	5.81	62	78757	5.035	ug/L	96
29) 1,1,1-Trichloroethane	5.33	97	93224	4.972	ug/L	98
30) Cyclohexane	5.40	56	88242	4.853	ug/L	98
31) Carbon tetrachloride	5.54	117	80554	5.020	ug/L	98
33) Benzene	5.79	78	228586	5.351	ug/L	100
34) Trichloroethene	6.56	95	57918	5.054	ug/L	93
35) Methylcyclohexane	6.77	83	81500	4.645	ug/L	97
37) 1,2-Dichloropropane	6.80	63	65816	5.690	ug/L	99
38) Bromodichloromethane	7.11	83	81825	5.182	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	87988	5.158	ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	556985	58.684	ug/L	99
42) Toluene	7.98	91	236635	5.379	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	80716	5.106	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	47671	5.657	ug/L	99
47) Tetrachloroethene	8.56	164	40801	5.420	ug/L	96
48) 2-Hexanone	8.69	43	408567	59.014	ug/L	98
49) Dibromochloromethane	8.81	129	54876	5.425	ug/L	99
50) 1,2-Dibromoethane	8.93	107	42618	5.245	ug/L #	89
51) Chlorobenzene	9.45	112	153932	5.635	ug/L	97
52) Ethylbenzene	9.57	91	260344	5.208	ug/L	100
53) m,p-Xylene	9.69	106	98435	5.531	ug/L	97
54) o-Xylene	10.10	106	94083	5.547	ug/L	95
55) Styrene	10.11	104	167192	5.669	ug/L	96
56) Isopropylbenzene	10.48	105	251246	5.432	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	62759	5.808	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	47375	5.528	ug/L	100
61) Bromoform	10.29	173	30058	5.168	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	124939	5.391	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	126028	5.374	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	120200	5.360	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	10462	4.362	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	85868	5.269	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	70526	5.024	ug/L	97
69) Naphthalene	14.08	128	121563	4.155	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	65784	5.102	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.456 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

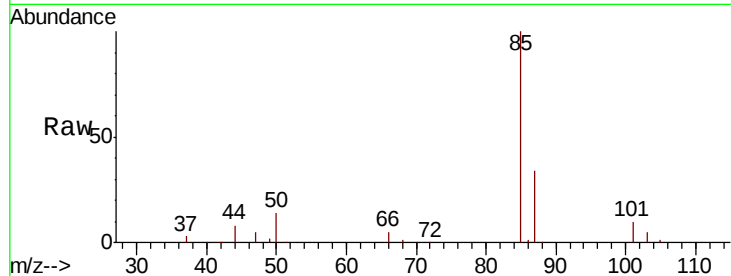
VSTD00520

Tot Ion: 85 Resp: 53804

Ion Ratio Lower Upper

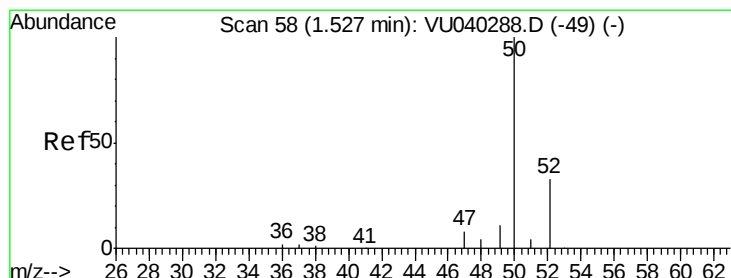
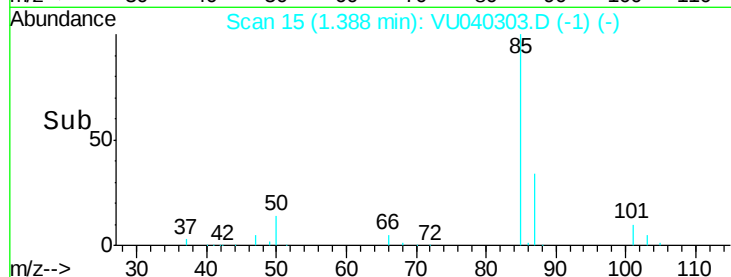
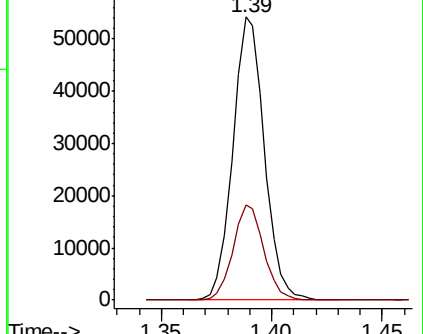
85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040288.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040288.D (-7) (-)



#3

Chloromethane

Concen: 5.151 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040303.D

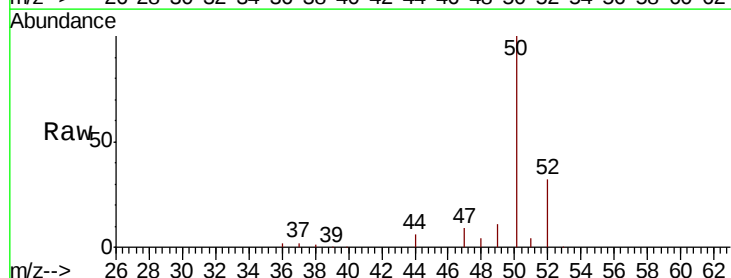
Acq: 25 Sep 2020 16:24

Tgt Ion: 50 Resp: 59552

Ion Ratio Lower Upper

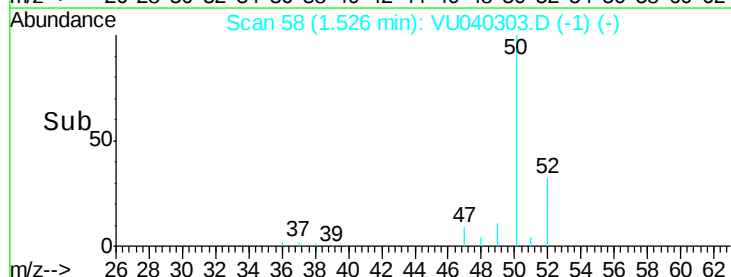
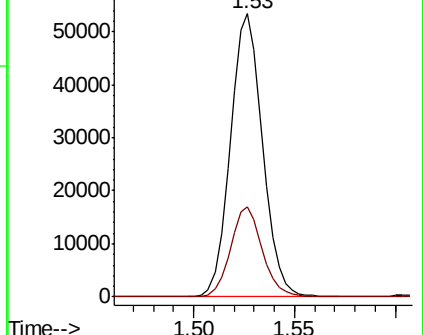
50 100

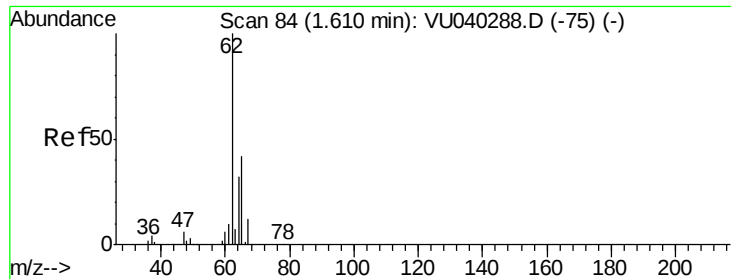
52 31.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040288.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040288.D (-49) (-)





#5

Vinyl chloride

Concen: 5.003 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

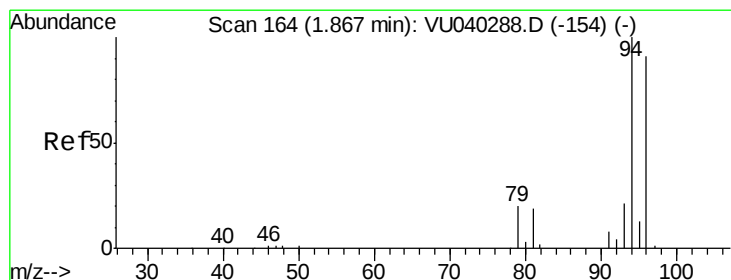
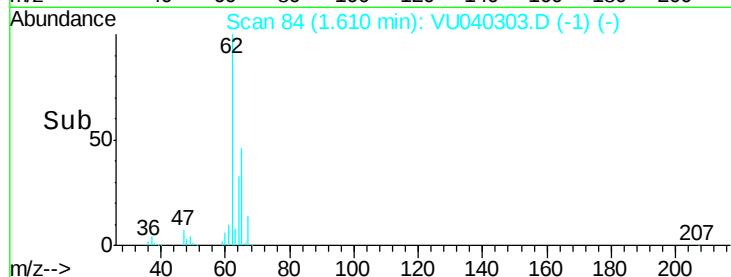
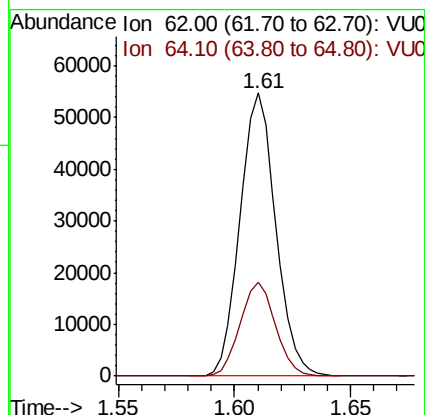
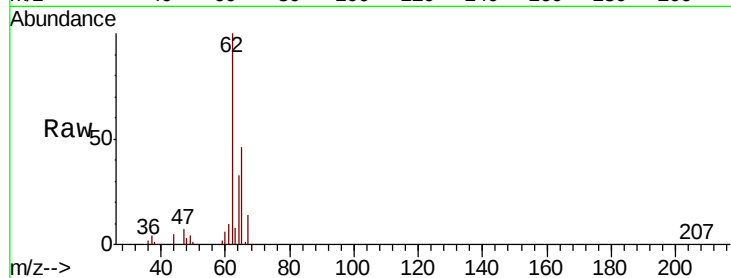
VSTD00520

Tot Ion: 62 Resp: 58636

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.3



#6

Bromomethane

Concen: 5.336 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040303.D

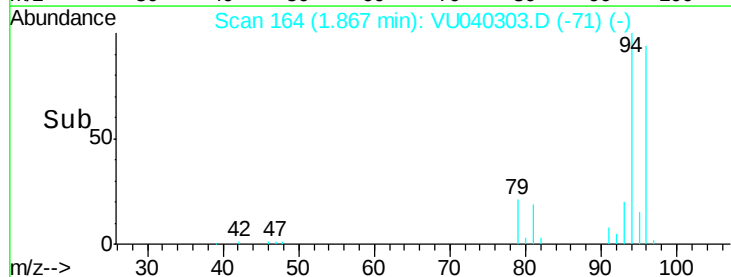
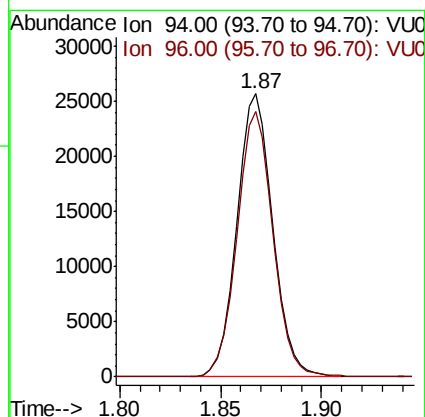
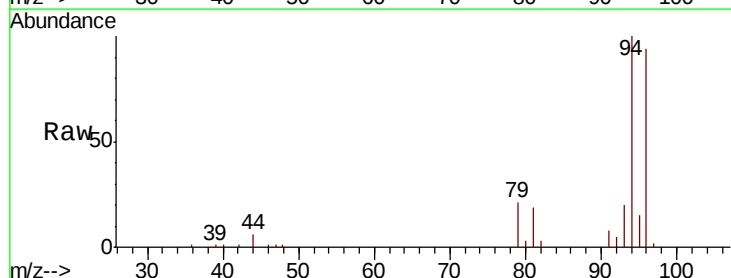
Acq: 25 Sep 2020 16:24

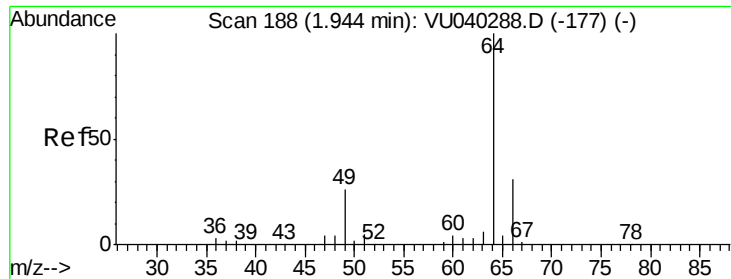
Tgt Ion: 94 Resp: 31966

Ion Ratio Lower Upper

94 100

96 93.6 62.3 115.7

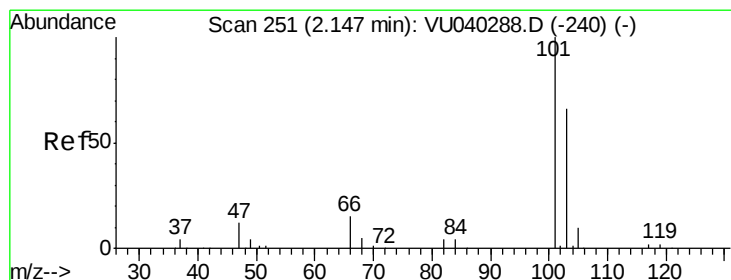
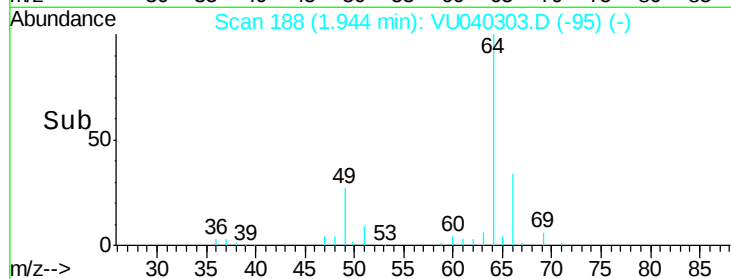
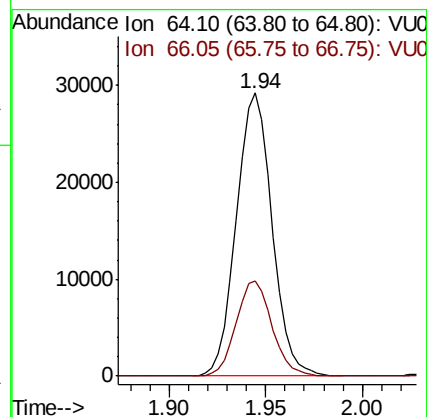
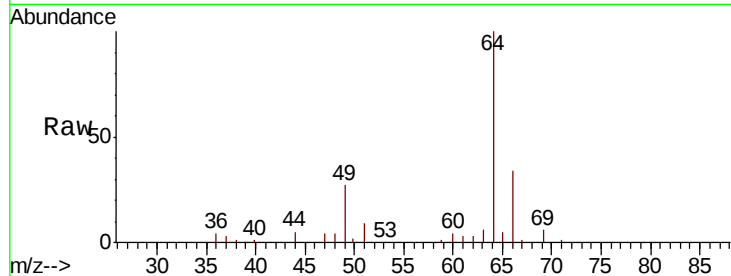




#8
Chloroethane
Concen: 5.317 ug/L
RT: 1.94 min Scan# 188
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

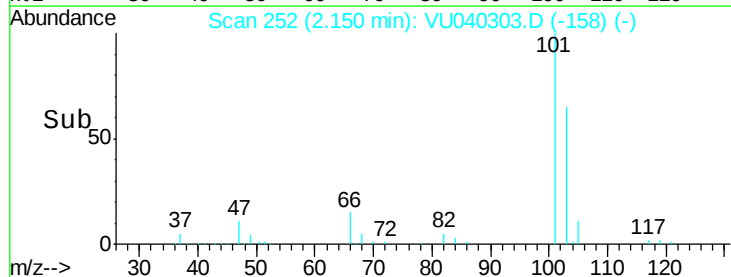
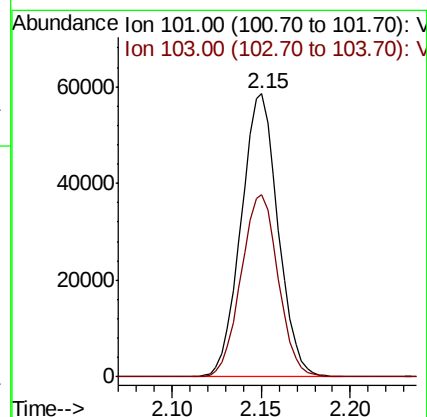
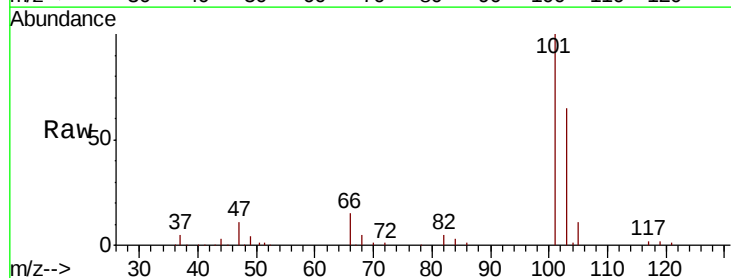
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

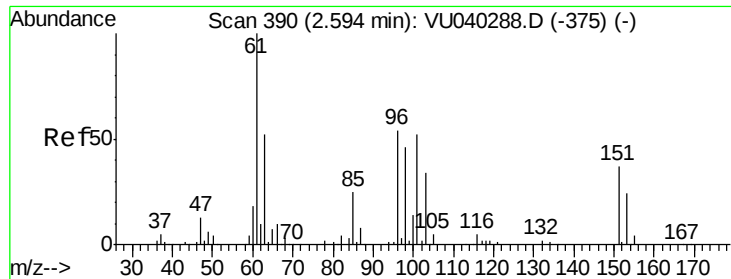
Tot Ion: 64 Resp: 37451
Ion Ratio Lower Upper
64 100
66 33.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 5.047 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion: 101 Resp: 84729
Ion Ratio Lower Upper
101 100
103 64.7 51.3 76.9





#10

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

Concen: 5.101 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

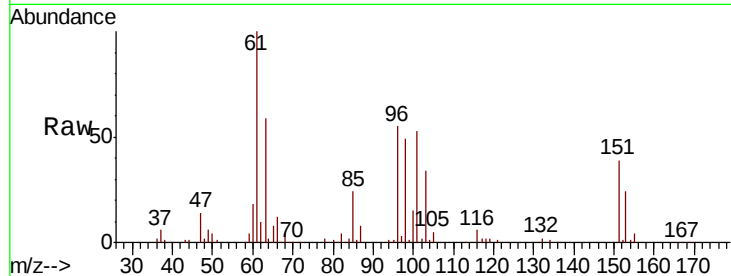
Tot Ion:101 Resp: 55511

Ion Ratio Lower Upper

101 100

85 45.1 37.7 56.5

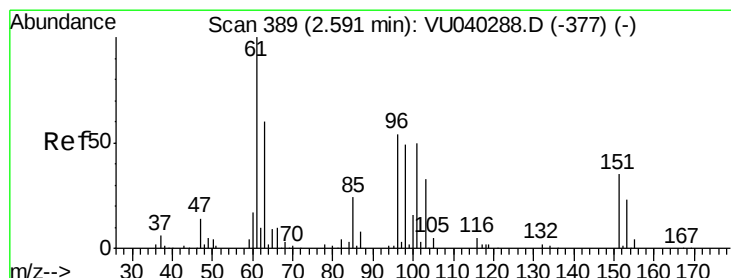
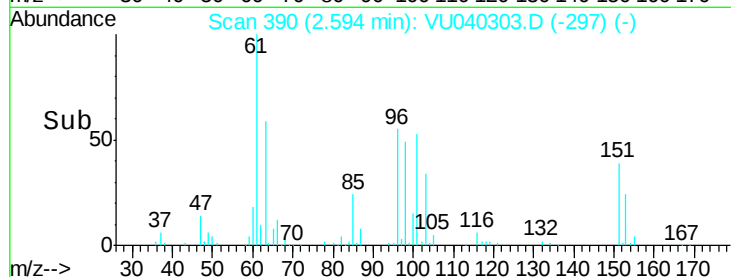
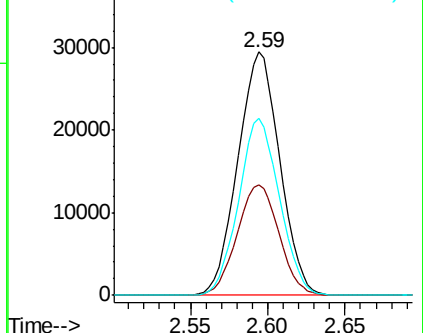
151 70.8 53.9 80.9



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: 5.318 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

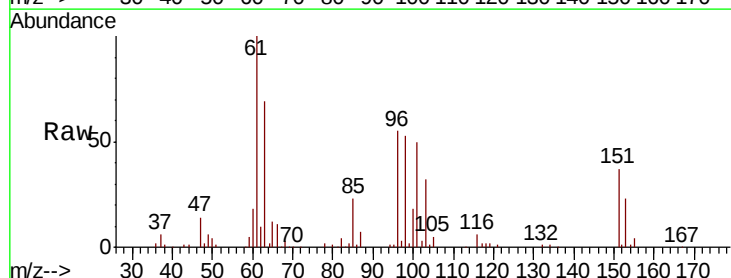
Tgt Ion: 96 Resp: 50071

Ion Ratio Lower Upper

96 100

61 183.2 138.3 256.8

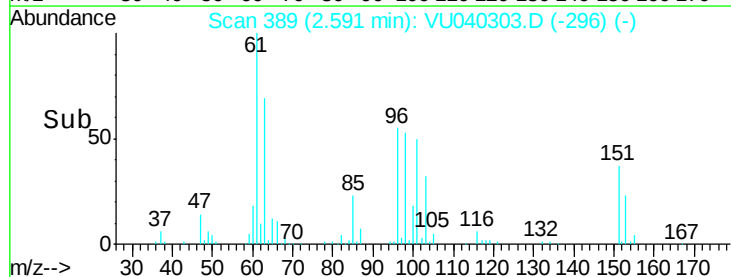
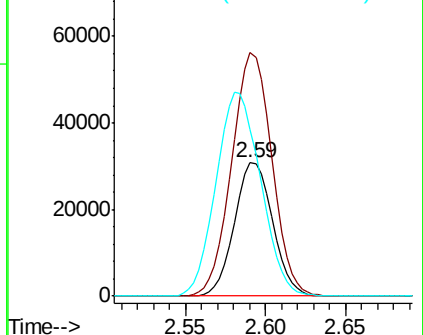
63 125.9 77.6 144.2

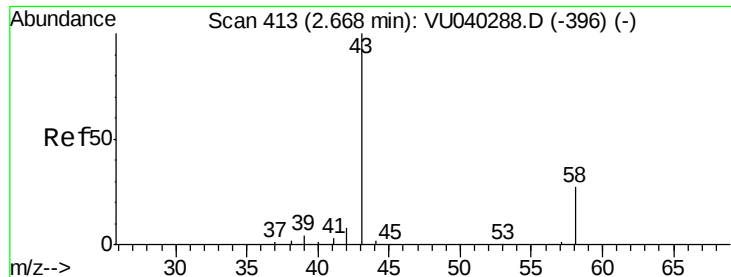


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 57.819 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

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ClientSampleId :

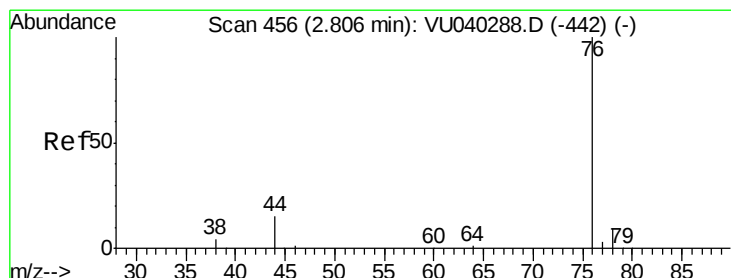
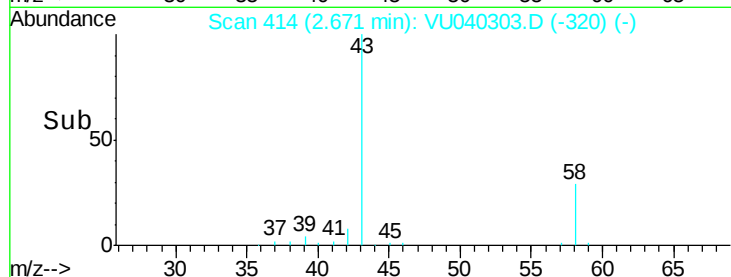
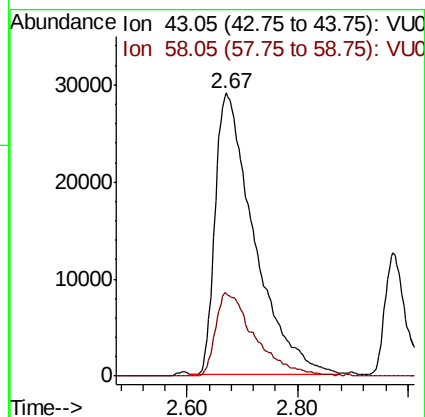
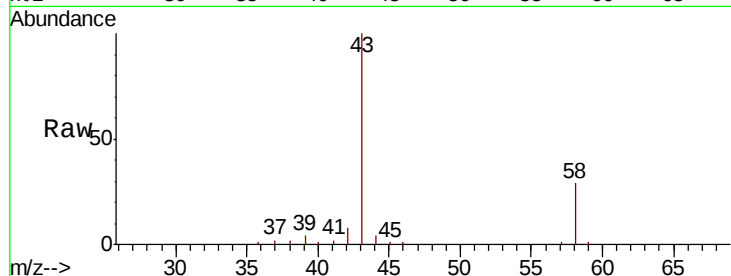
VSTD00520

Tot Ion: 43 Resp: 142219

Ion Ratio Lower Upper

43 100

58 29.7 0.0 55.4



#14

Carbon disulfide

Concen: 4.491 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040303.D

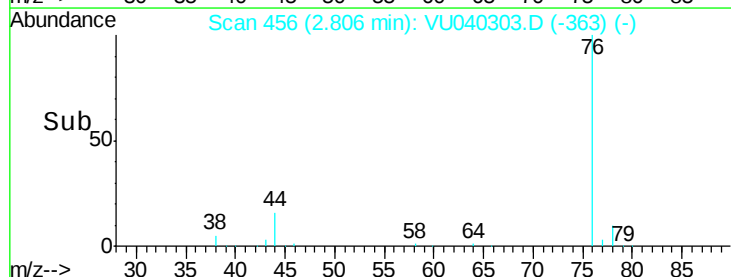
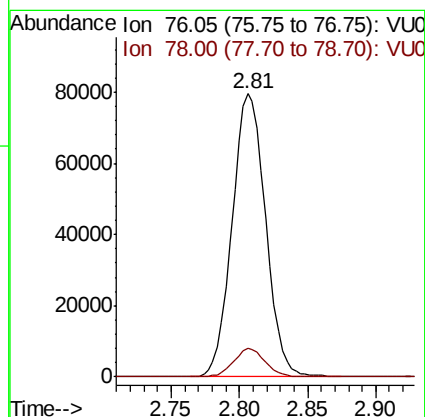
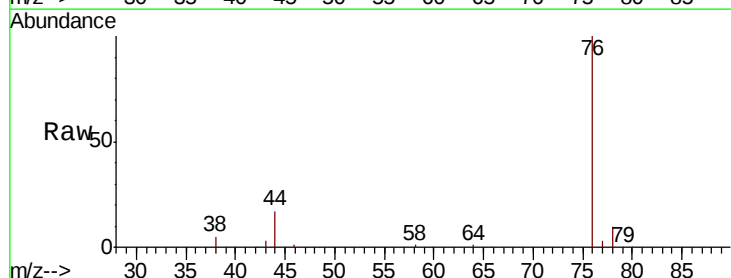
Acq: 25 Sep 2020 16:24

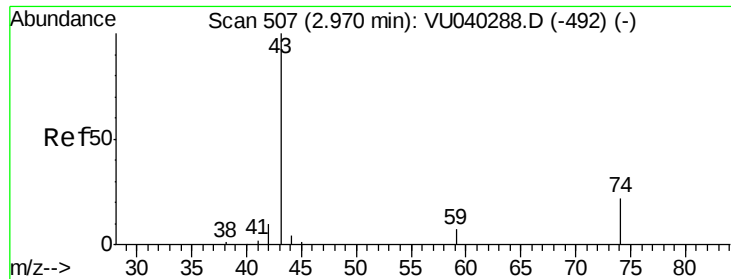
Tgt Ion: 76 Resp: 135589

Ion Ratio Lower Upper

76 100

78 9.9 7.2 10.8

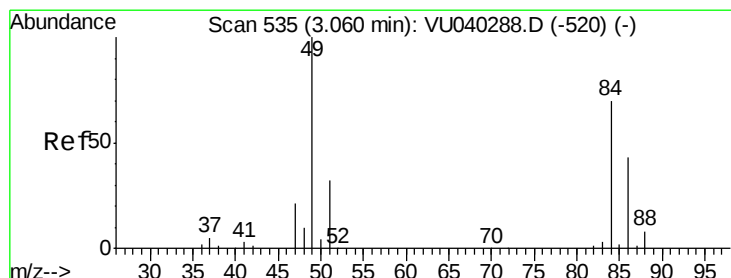
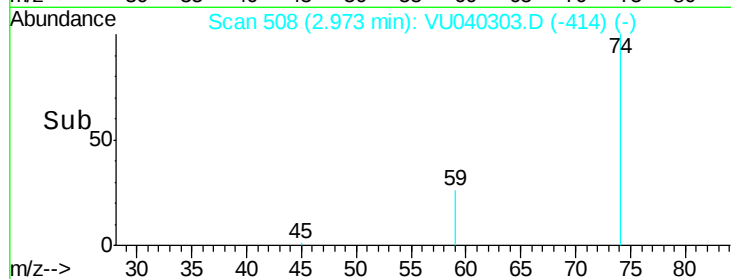
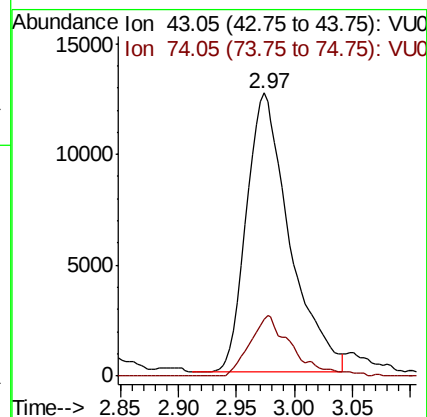
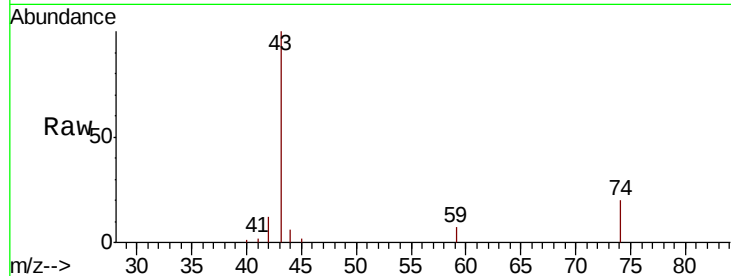




#15
Methyl Acetate
Concen: 5.303 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

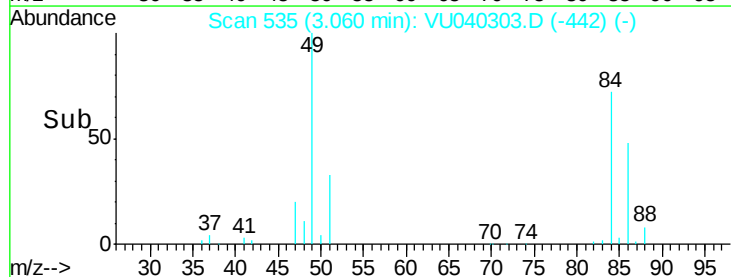
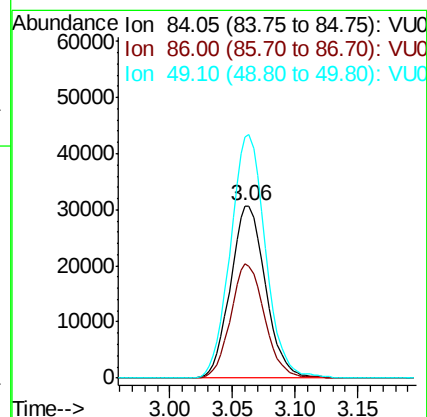
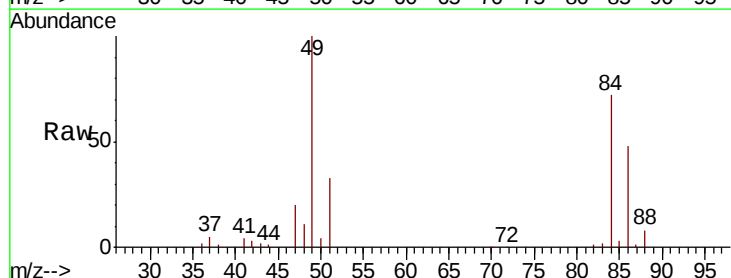
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

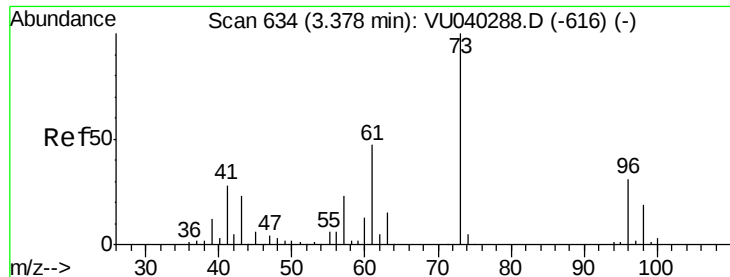
Tot Ion: 43 Resp: 32736
Ion Ratio Lower Upper
43 100
74 21.1 17.4 26.0



#16
Methylene chloride
Concen: 4.848 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion: 84 Resp: 59775
Ion Ratio Lower Upper
84 100
86 66.6 45.2 84.0
49 139.8 104.0 193.2

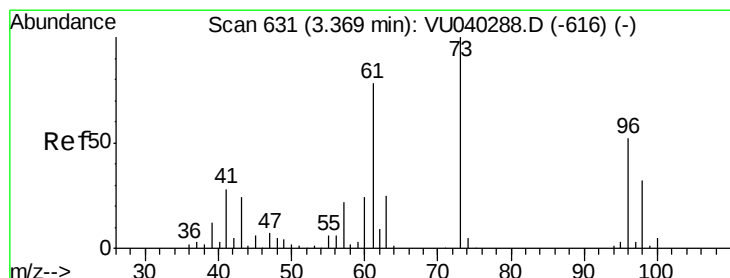
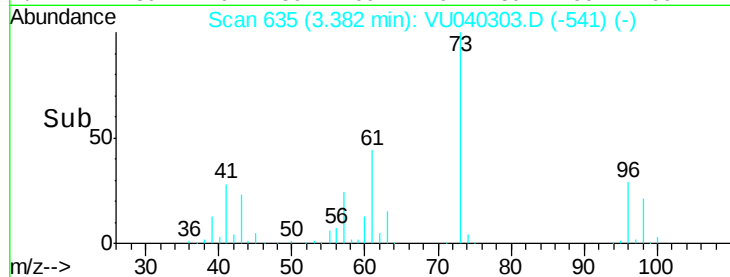
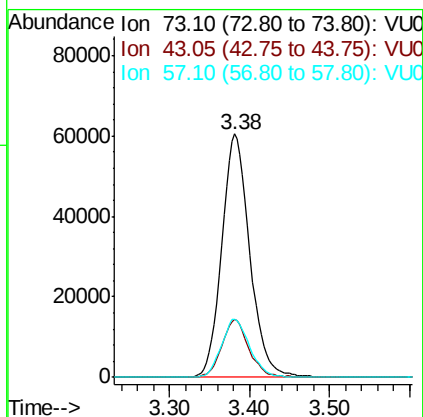
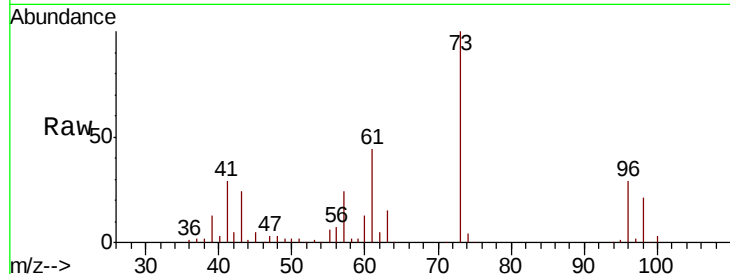




#17
Methvl tert-butvl Ether
Concen: 5.131 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

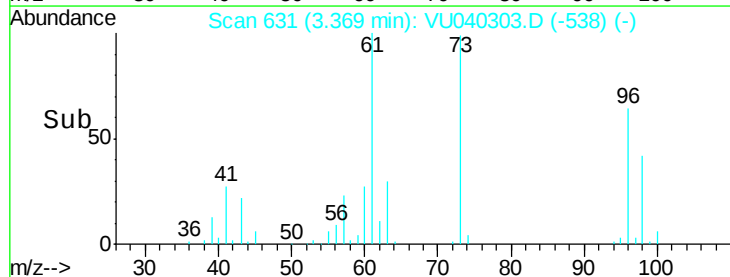
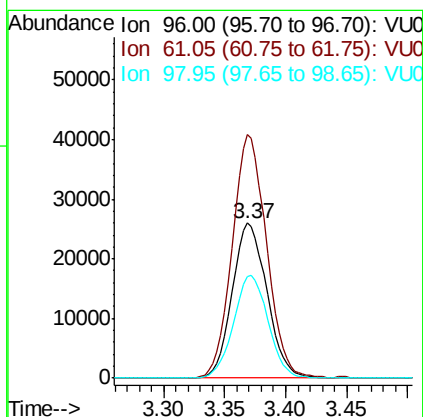
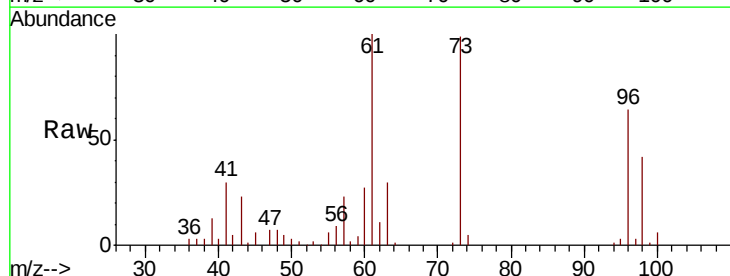
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

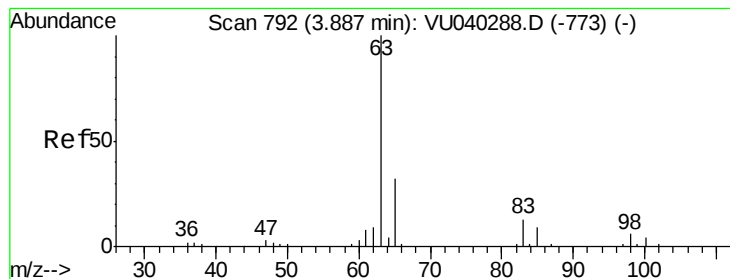
Tot Ion: 73 Resp: 145604
Ion Ratio Lower Upper
73 100
43 22.8 19.1 28.7
57 24.1 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 5.077 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion: 96 Resp: 51428
Ion Ratio Lower Upper
96 100
61 157.1 110.5 205.3
98 65.7 43.2 80.2





#19

1,1-Dichloroethane

Concen: 5.376 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

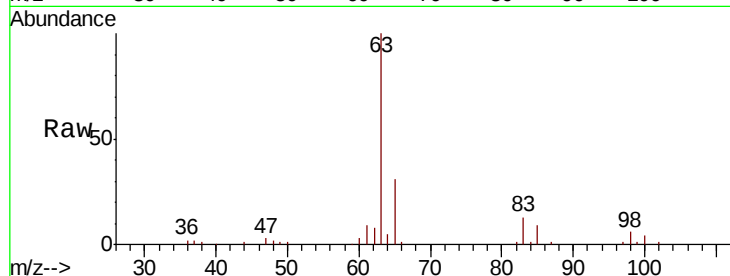
Tot Ion: 63 Resp: 112079

Ion Ratio Lower Upper

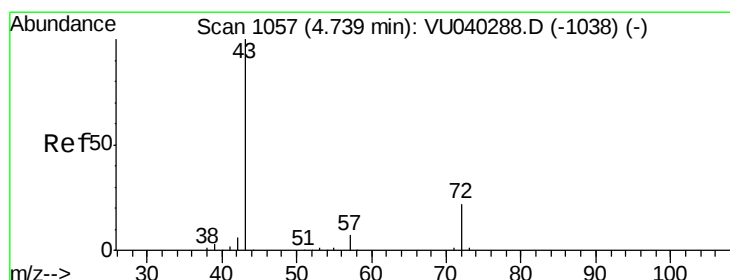
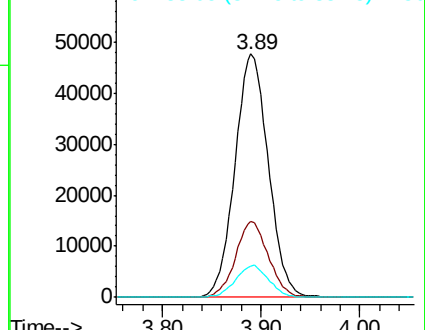
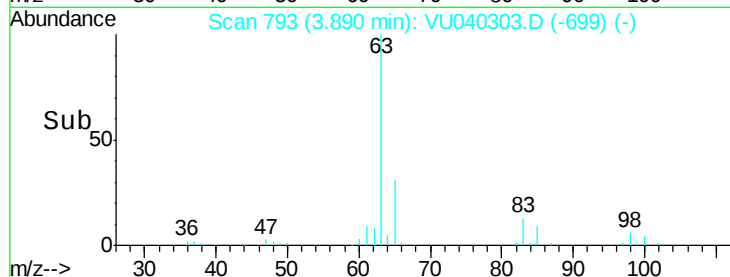
63 100

65 31.4 22.2 41.2

83 13.0 9.4 17.6



Abundance Ion 63.10 (62.80 to 63.80): VU040303.D (-699) (-)



#21

2-Butanone

Concen: 59.772 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040303.D

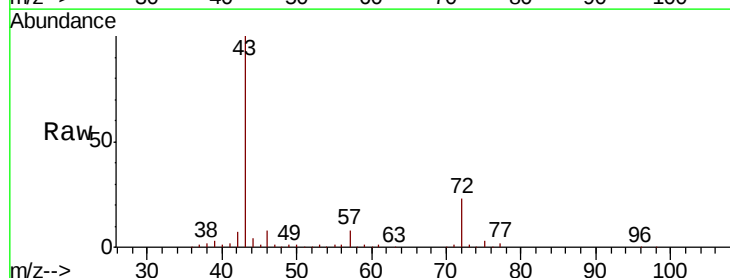
Acq: 25 Sep 2020 16:24

Tgt Ion: 43 Resp: 240029

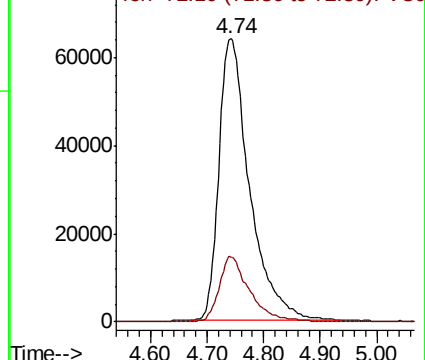
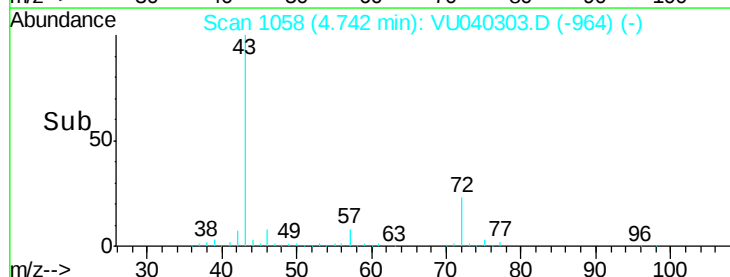
Ion Ratio Lower Upper

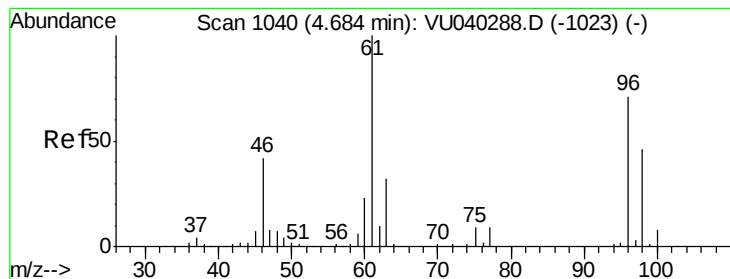
43 100

72 22.8 11.7 35.0



Abundance Ion 43.05 (42.75 to 43.75): VU040303.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.400 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampled :

VSTD00520

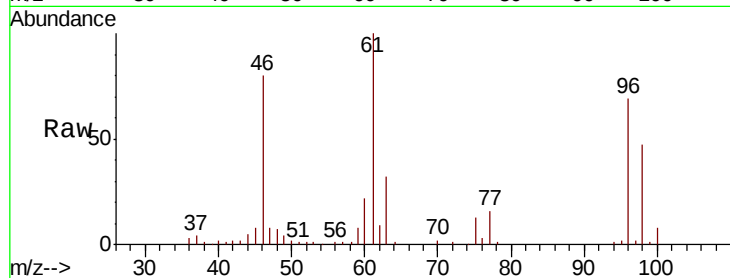
Tot Ion: 96 Resp: 58812

Ion Ratio Lower Upper

96 100

61 145.9 98.8 183.4

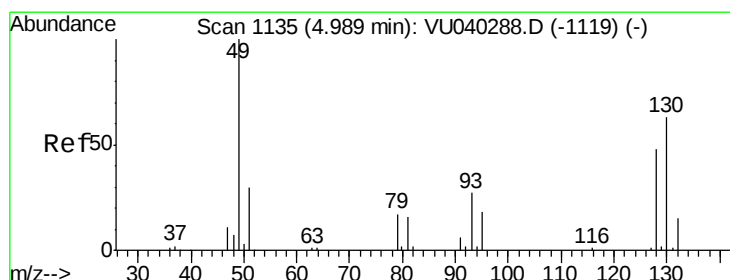
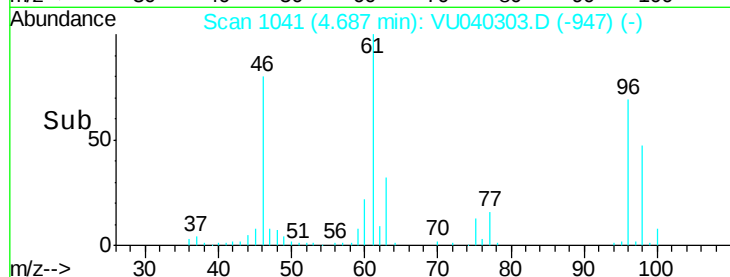
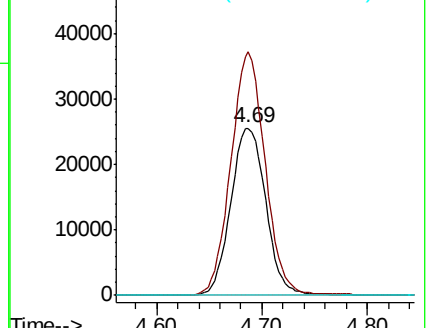
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040303.D (-947) (-)

Ion 61.05 (60.75 to 61.75): VU040303.D (-947) (-)

Ion 68.15 (67.85 to 68.85): VU040303.D (-947) (-)



#23

Bromochloromethane

Concen: 5.674 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Tgt Ion: 128 Resp: 27077

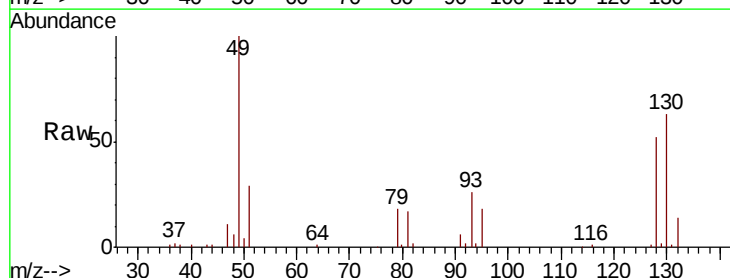
Ion Ratio Lower Upper

128 100

49 193.4 143.4 266.4

130 121.8 89.5 166.3

51 55.8 51.0 76.4

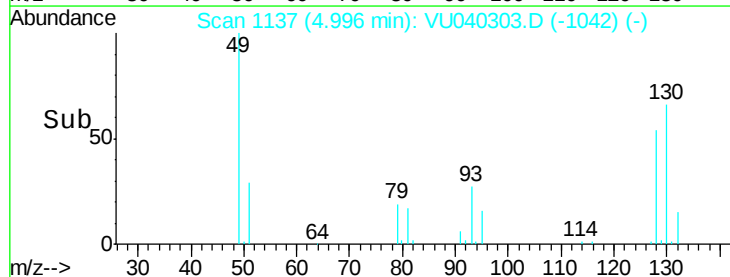
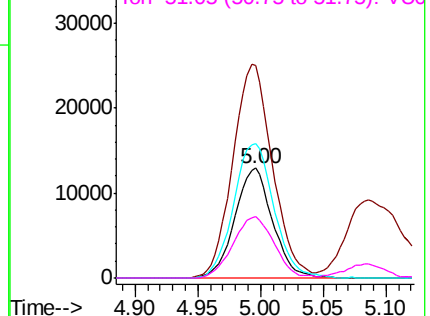


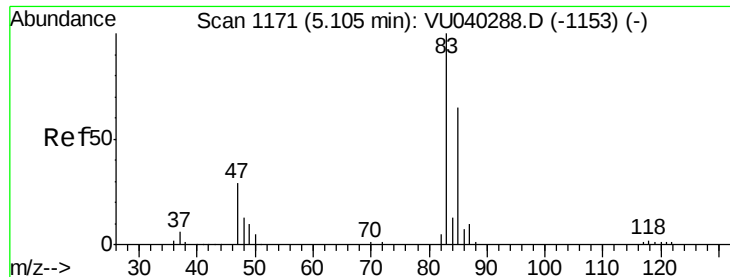
Abundance Ion 127.90 (127.60 to 128.60): VU040303.D (-1042) (-)

Ion 49.10 (48.80 to 49.80): VU040303.D (-1042) (-)

Ion 129.95 (129.65 to 130.65): VU040303.D (-1042) (-)

Ion 51.05 (50.75 to 51.75): VU040303.D (-1042) (-)

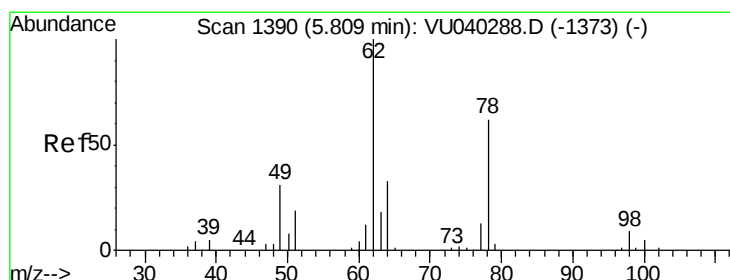
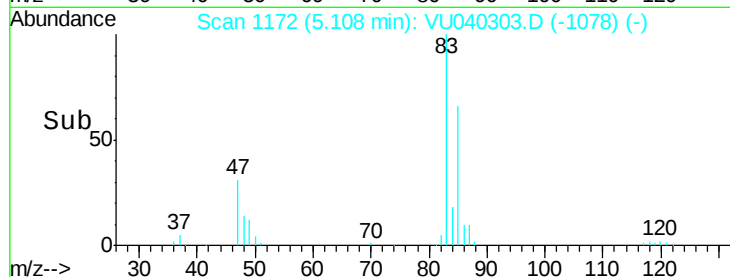
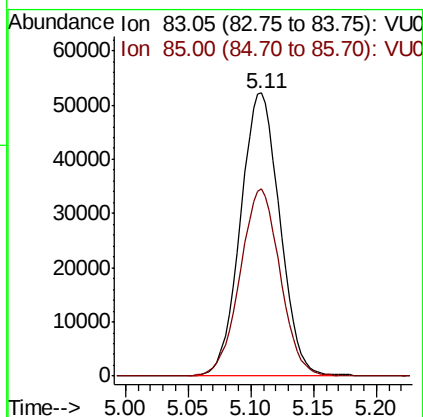
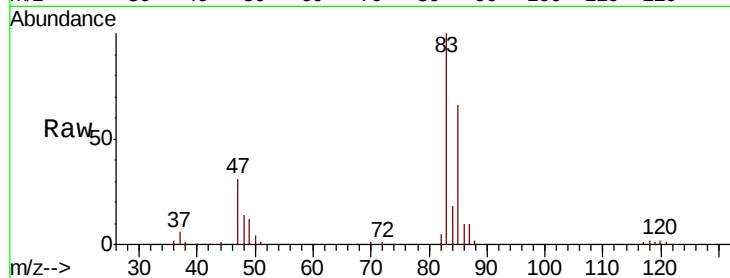




#25
Chloroform
Concen: 5.333 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

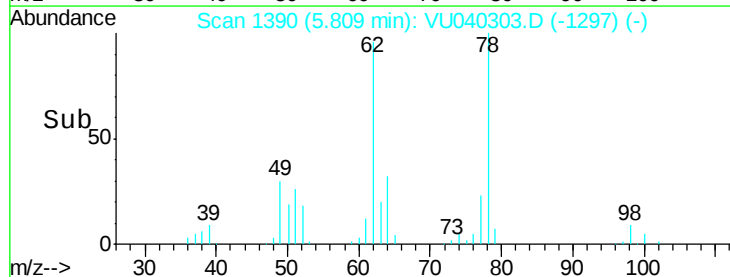
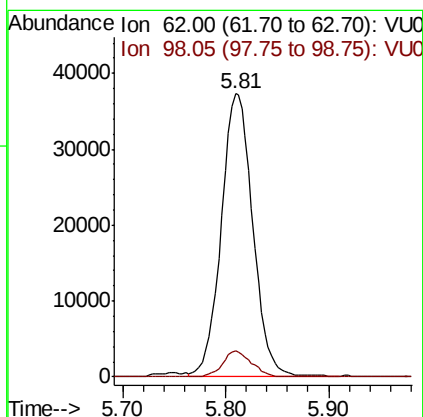
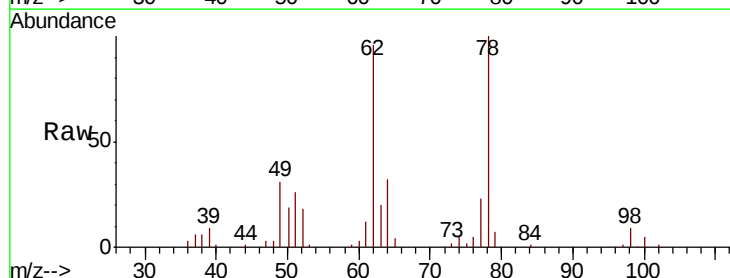
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

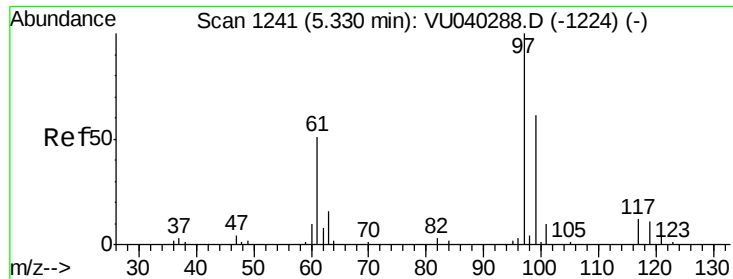
Tot Ion: 83 Resp: 113874
Ion Ratio Lower Upper
83 100
85 66.0 45.3 84.1



#27
1,2-Dichloroethane
Concen: 5.035 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion: 62 Resp: 78757
Ion Ratio Lower Upper
62 100
98 9.1 6.1 9.1

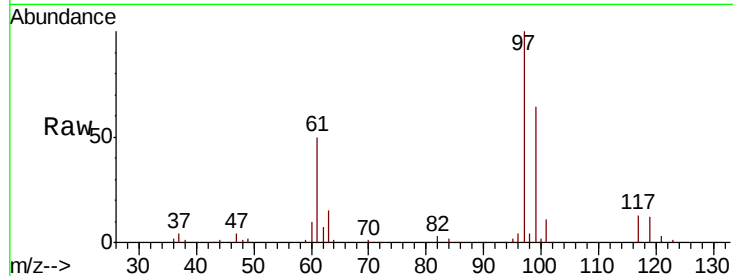




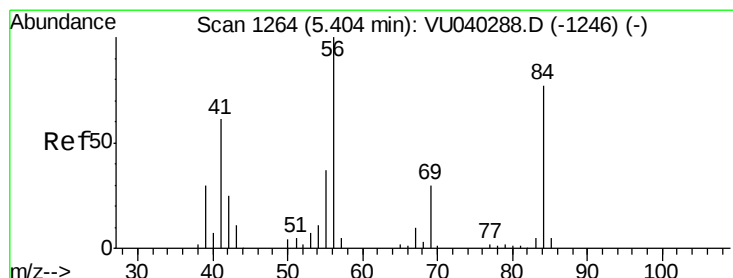
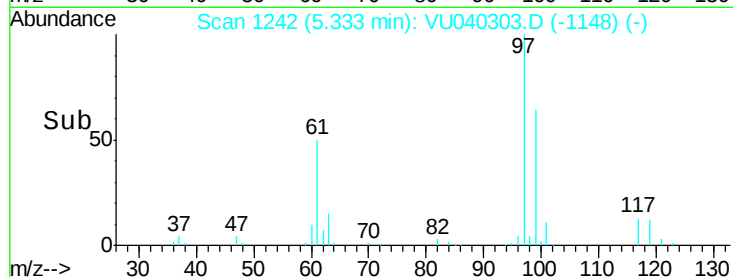
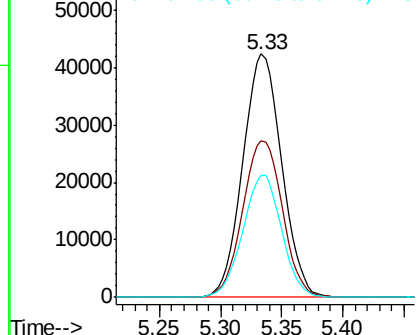
#29
 1,1,1-Trichloroethane
 Concen: 4.972 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion: 97 Resp: 93224
 Ion Ratio Lower Upper
 97 100
 99 65.9 50.9 76.3
 61 50.0 39.5 59.3

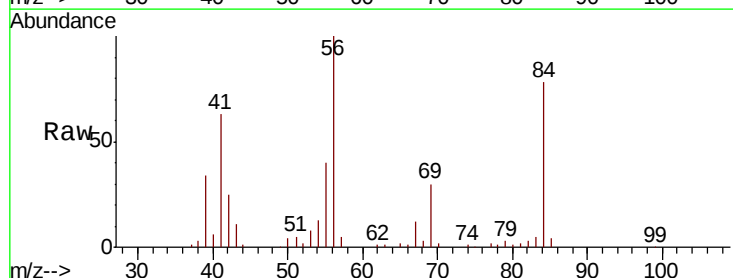


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

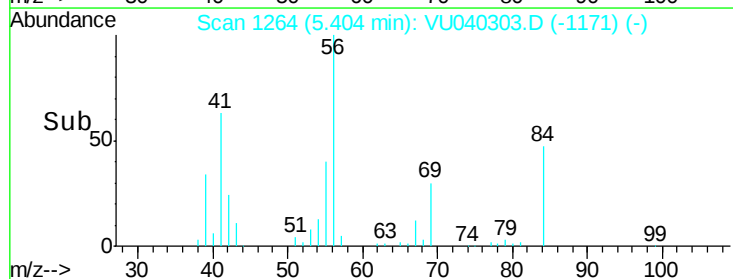
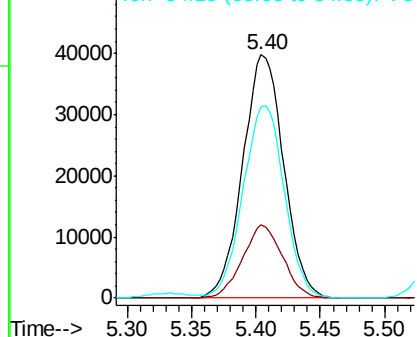


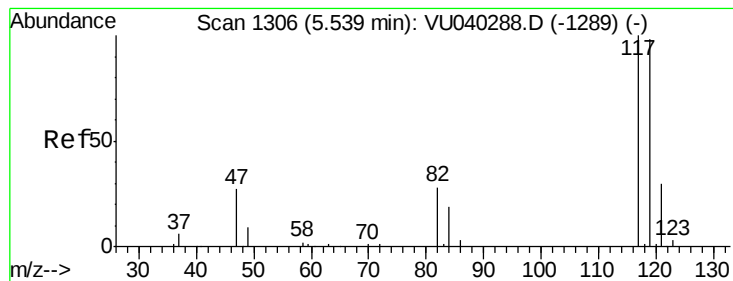
#30
 Cyclohexane
 Concen: 4.853 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion: 56 Resp: 88242
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.1 36.1
 84 79.5 65.0 97.4



Abundance Ion 56.10 (55.80 to 56.80): VU0
 Ion 69.15 (68.85 to 69.85): VU0
 Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 5.020 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

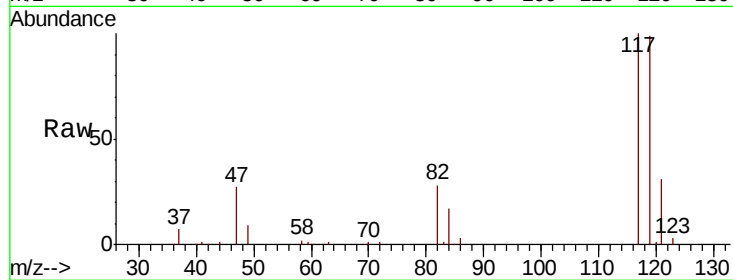
VSTD00520

Tot Ion:117 Resp: 80554

Ion Ratio Lower Upper

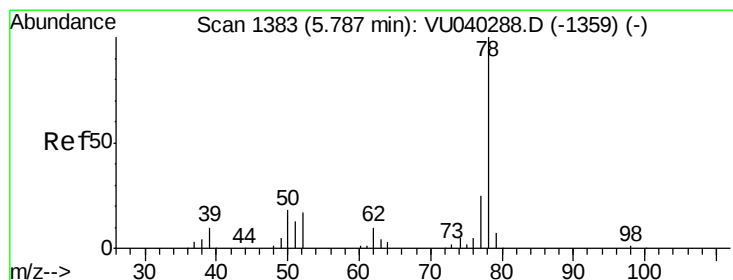
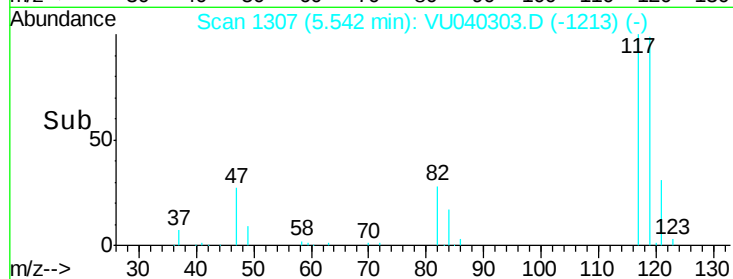
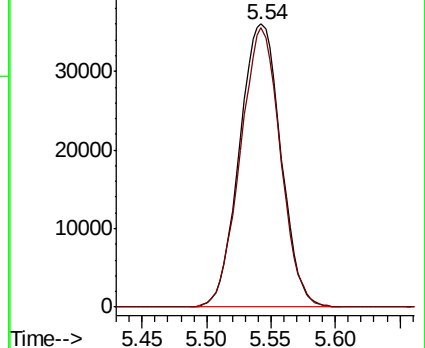
117 100

119 95.4 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.351 ug/L

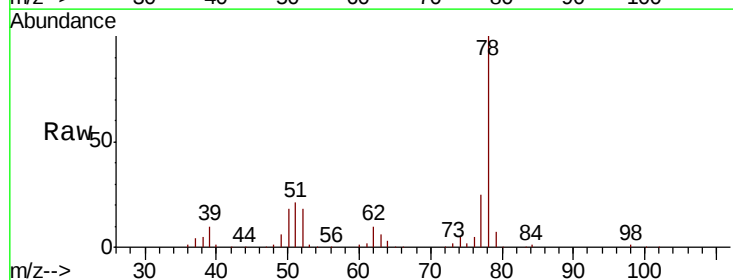
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

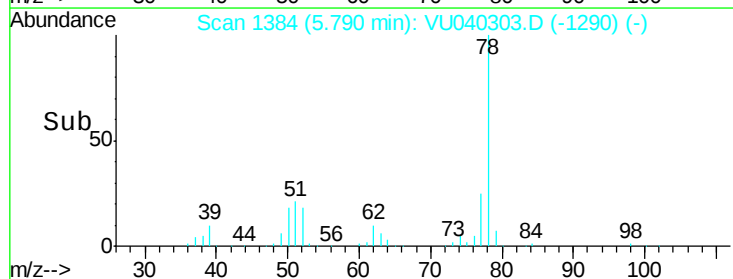
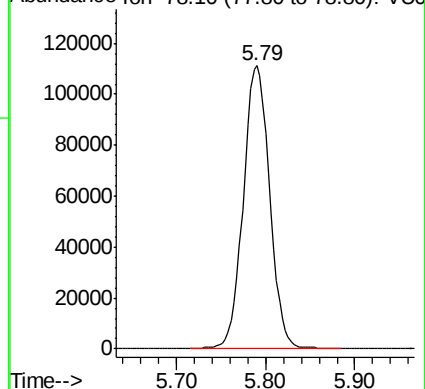
Lab File: VU040303.D

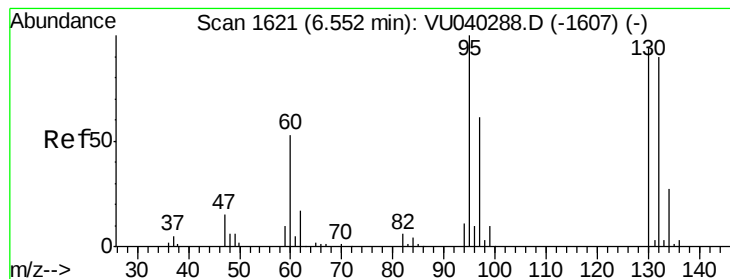
Acq: 25 Sep 2020 16:24

Tgt Ion: 78 Resp: 228586



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.054 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 95 Resp: 57918

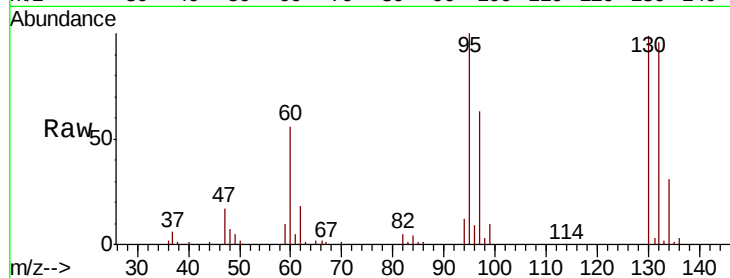
Ion Ratio Lower Upper

95 100

97 63.3 43.3 80.5

132 95.9 59.4 110.4

130 98.6 64.8 120.4

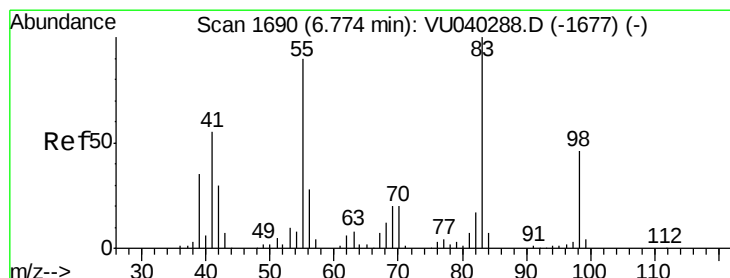
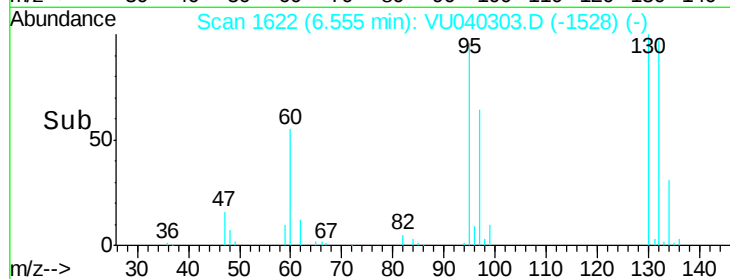
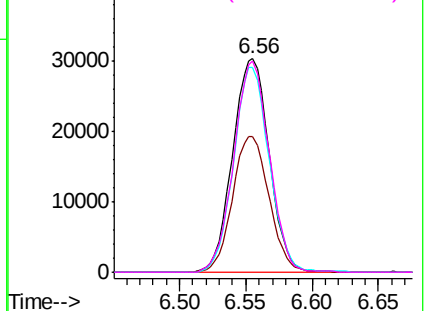


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.645 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

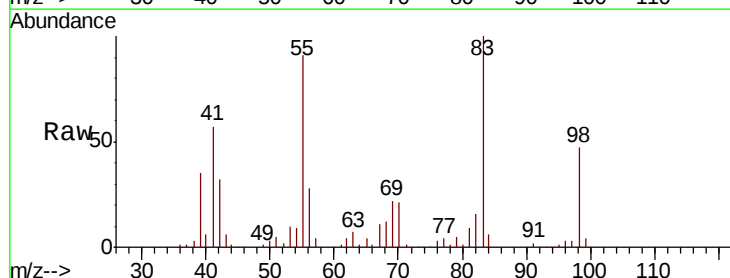
Tgt Ion: 83 Resp: 81500

Ion Ratio Lower Upper

83 100

55 90.9 70.5 105.7

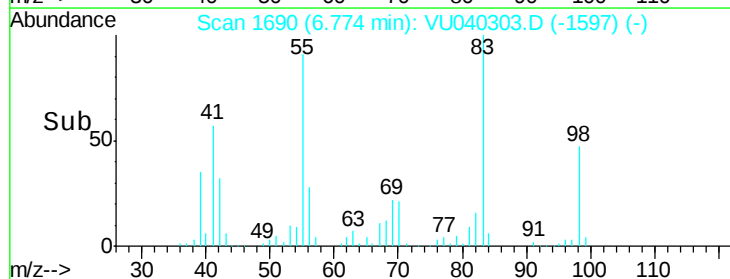
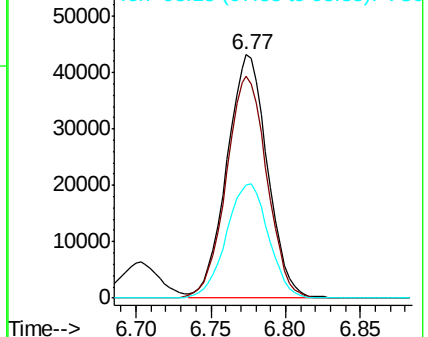
98 48.7 37.8 56.6

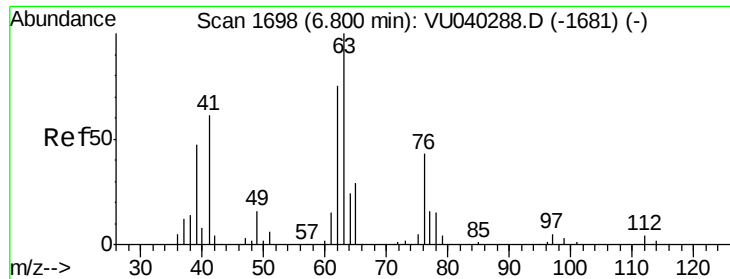


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

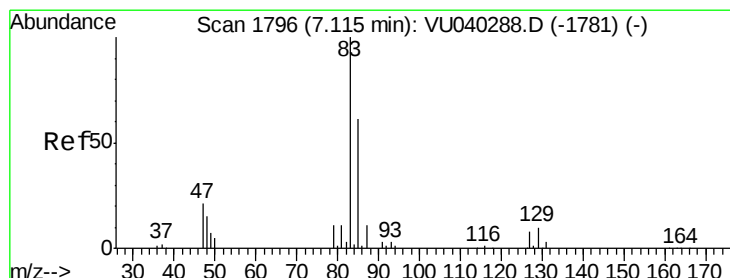
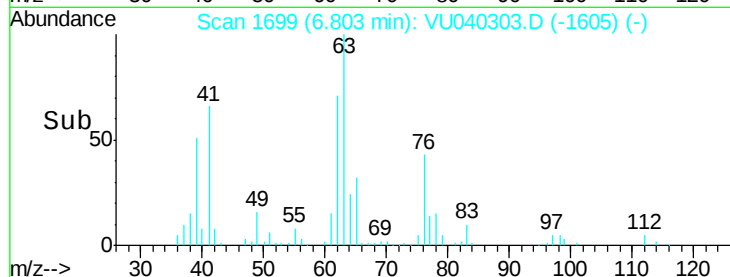
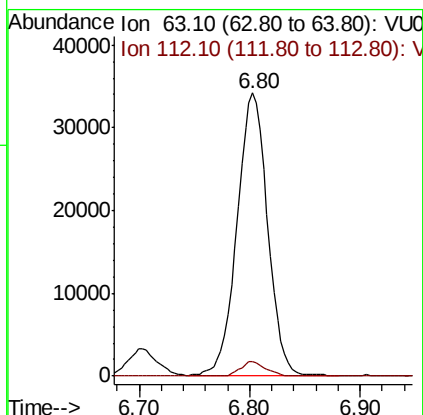
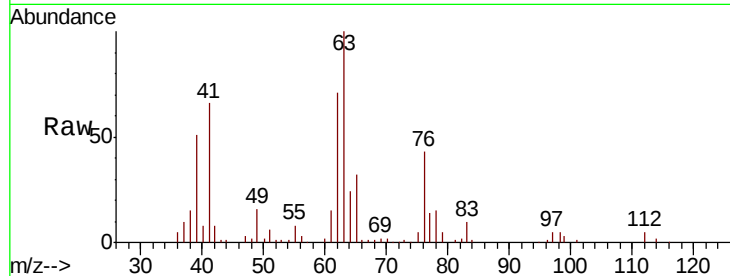




#37
 1,2-Dichloropropane
 Concen: 5.690 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

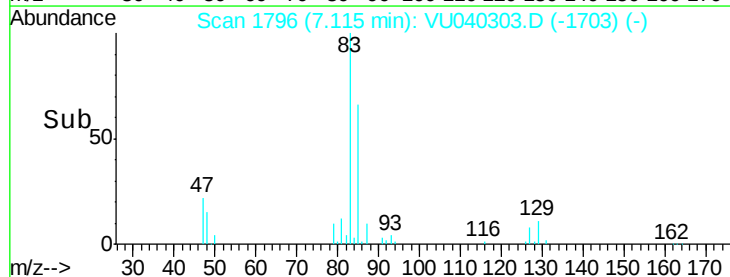
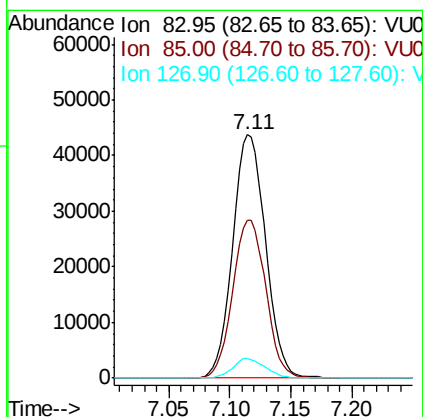
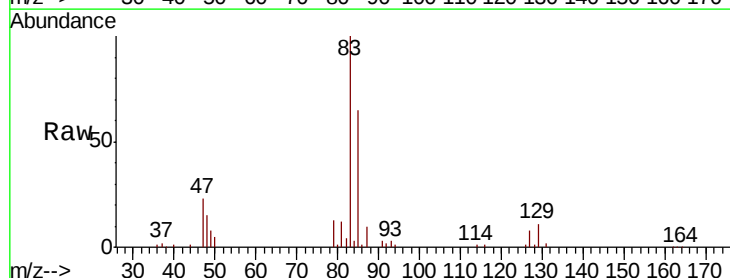
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

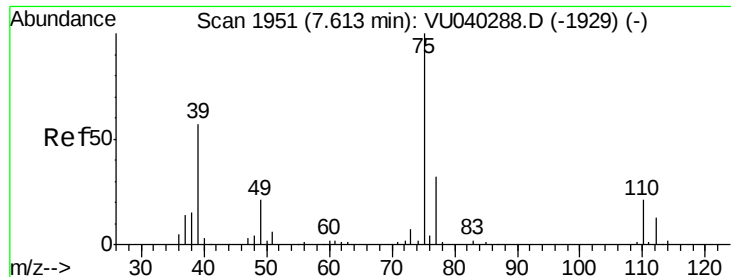
Tot Ion: 63 Resp: 65816
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.182 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion: 83 Resp: 81825
 Ion Ratio Lower Upper
 83 100
 85 65.0 45.1 83.9
 127 8.2 6.7 10.1

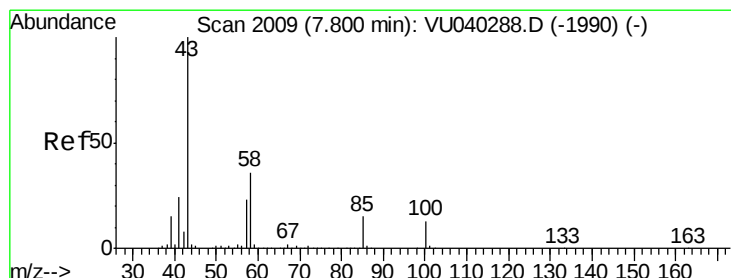
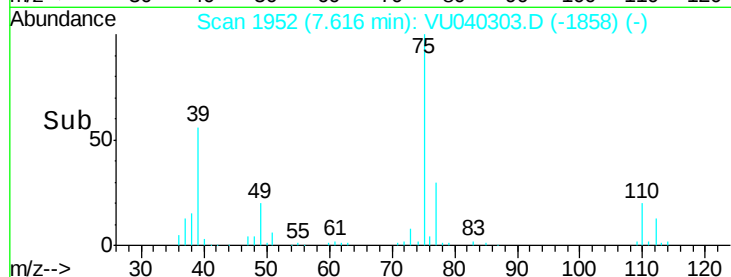
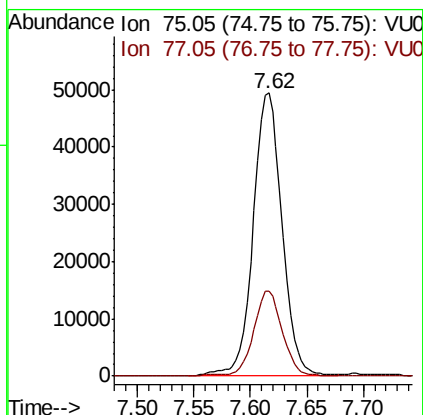
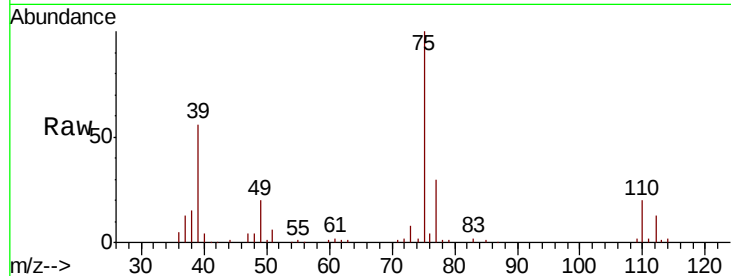




#39
 cis-1,3-Dichloropropene
 Concen: 5.158 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

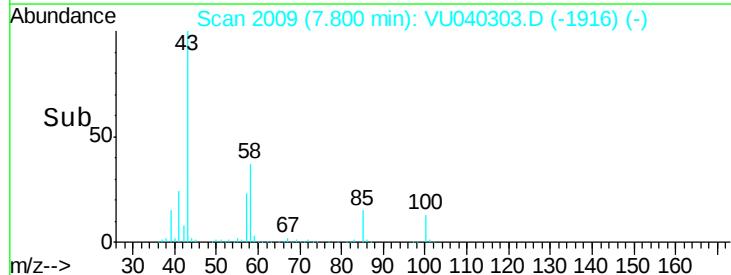
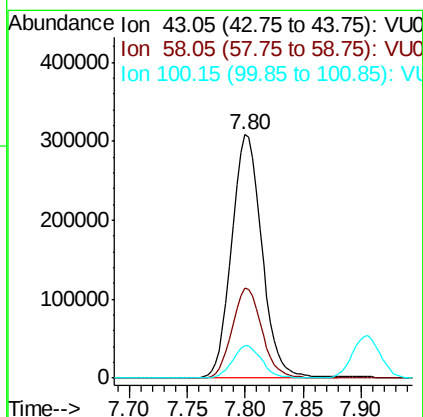
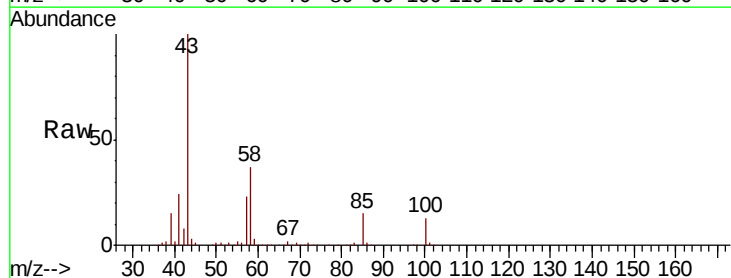
Instrument :
 MSVOA_U
 ClientSampled :
 VSTD00520

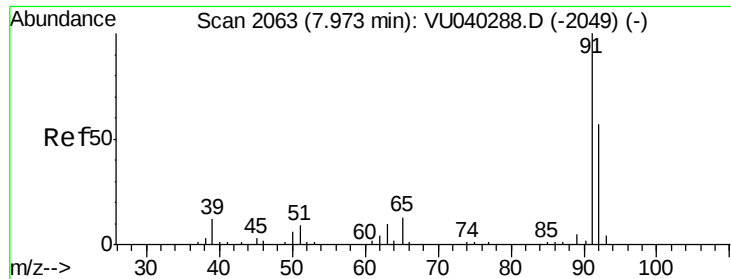
Tot Ion: 75 Resp: 87988
 Ion Ratio Lower Upper
 75 100
 77 30.2 21.1 39.3



#40
 4-Methyl-2-pentanone
 Concen: 58.684 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion: 43 Resp: 556985
 Ion Ratio Lower Upper
 43 100
 58 36.4 28.7 43.1
 100 13.0 10.2 15.2





#42

Toluene

Concen: 5.379 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

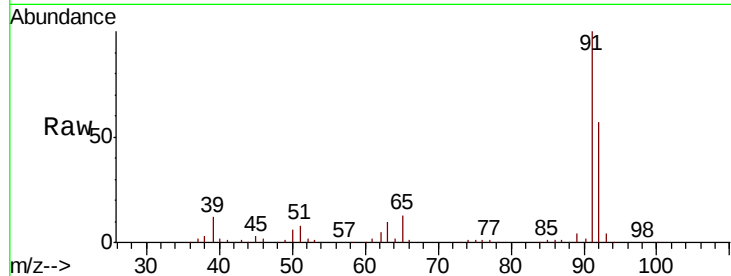
VSTD00520

Tot Ion: 91 Resp: 236635

Ion Ratio Lower Upper

91 100

92 57.3 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040288.D (-2049) (-)

Ion 92.15 (91.85 to 92.85): VU040288.D (-2049) (-)

7.98

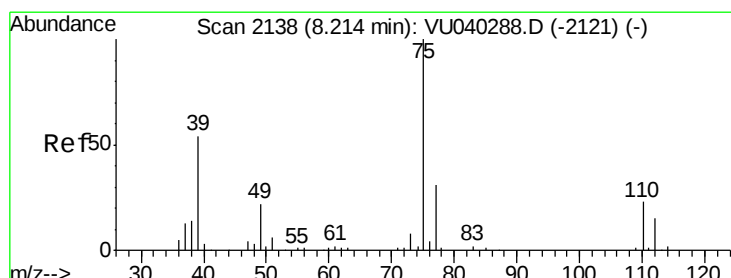
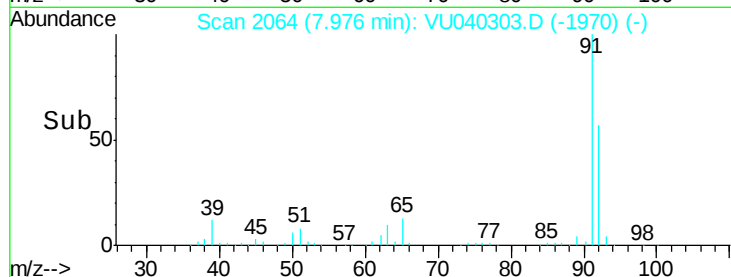
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.106 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040303.D

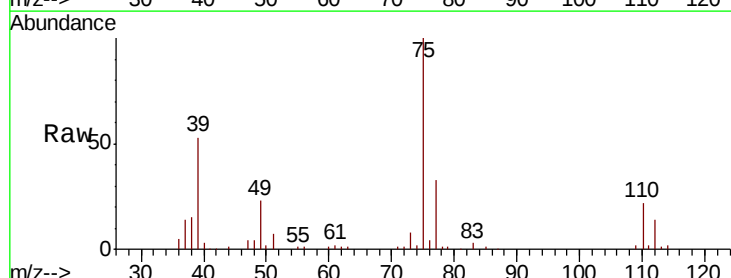
Acq: 25 Sep 2020 16:24

Tgt Ion: 75 Resp: 80716

Ion Ratio Lower Upper

75 100

77 33.3 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040288.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040288.D (-2121) (-)

8.22

50000

40000

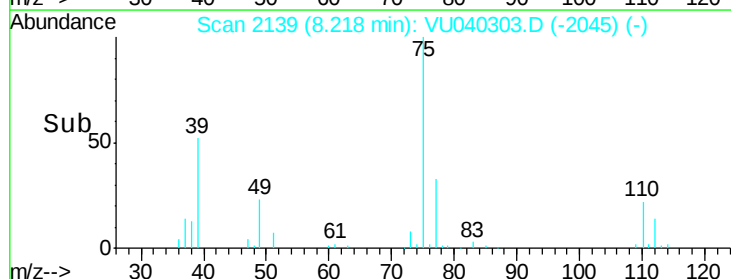
30000

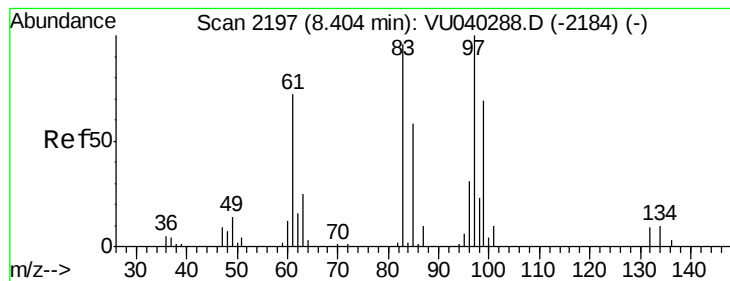
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.657 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

Tot Ion: 97 Resp: 47671

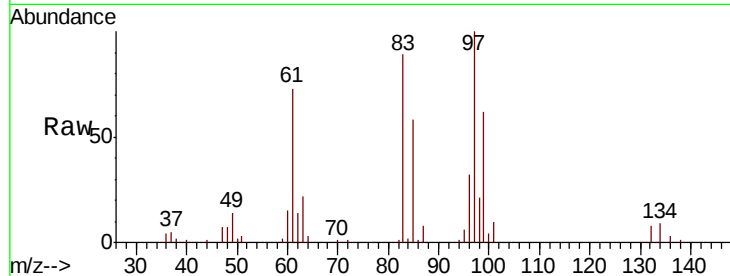
Ion Ratio Lower Upper

97 100

99 61.6 43.0 79.8

83 88.7 61.7 114.7

85 58.2 39.3 73.1

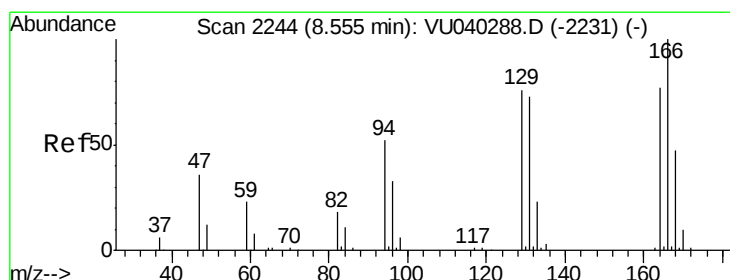
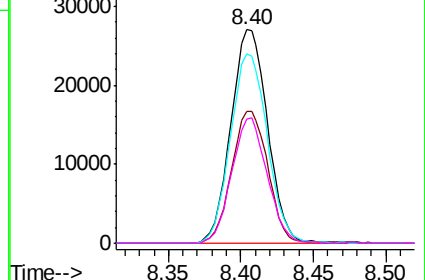
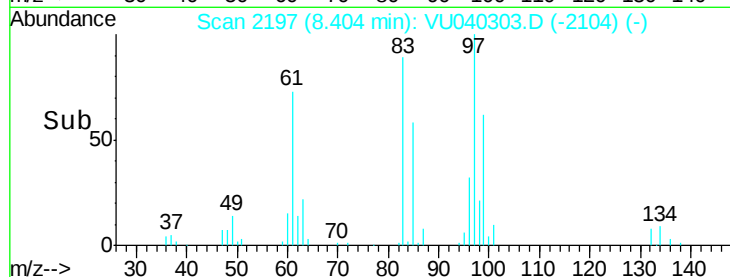


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 5.420 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Tgt Ion: 164 Resp: 40801

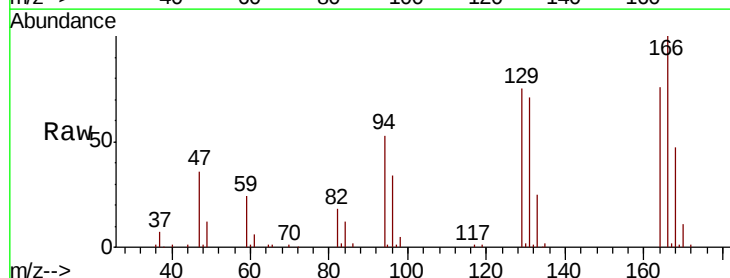
Ion Ratio Lower Upper

164 100

129 98.5 71.5 132.7

131 93.1 65.9 122.5

166 130.8 87.3 162.1

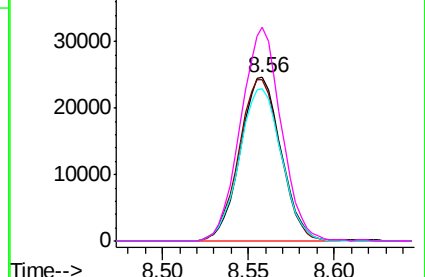
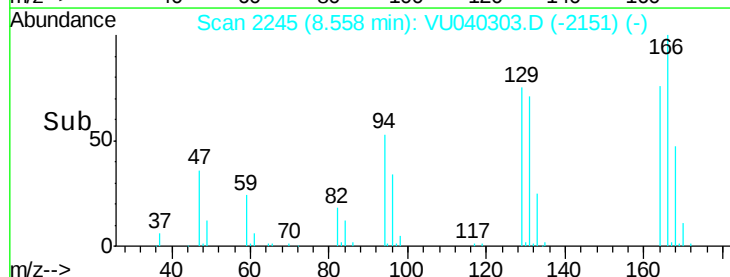


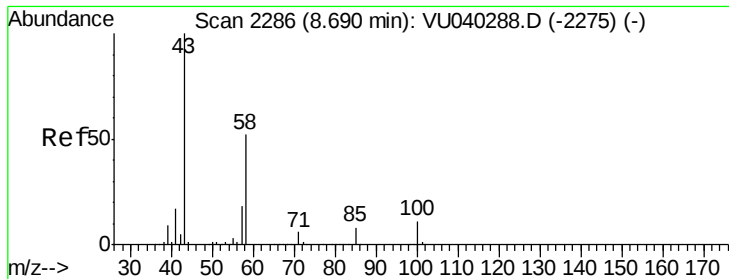
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

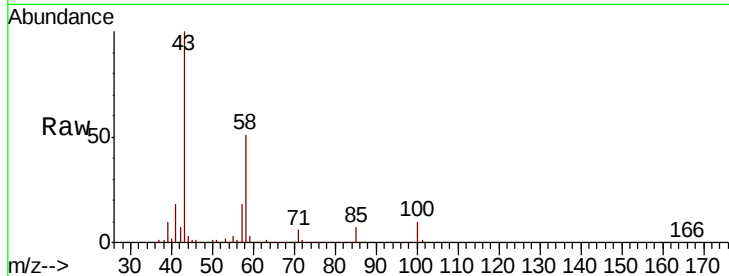




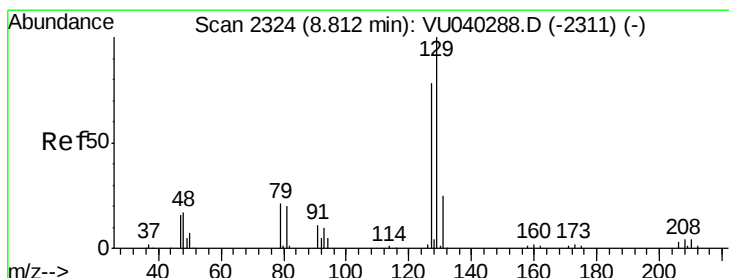
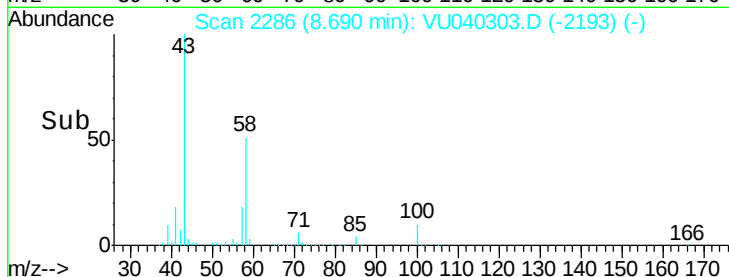
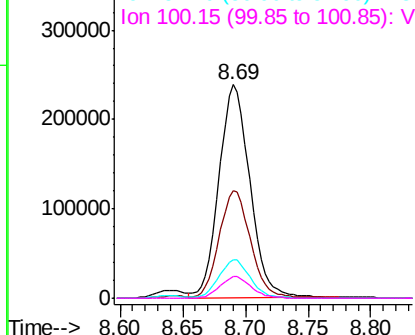
#48
2-Hexanone
Concen: 59.014 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:	43	Resp:	408567
Ion	Ratio	Lower	Upper
43	100		
58	51.3	39.6	59.4
57	18.0	14.3	21.5
100	10.1	8.0	12.0

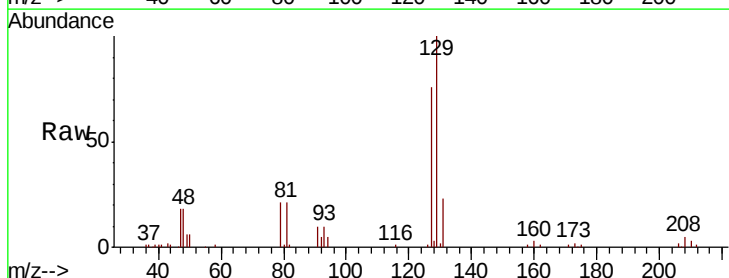


Abundance Ion 43.05 (42.75 to 43.75): VU040303.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040303.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040303.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040303.D (-2193) (-)

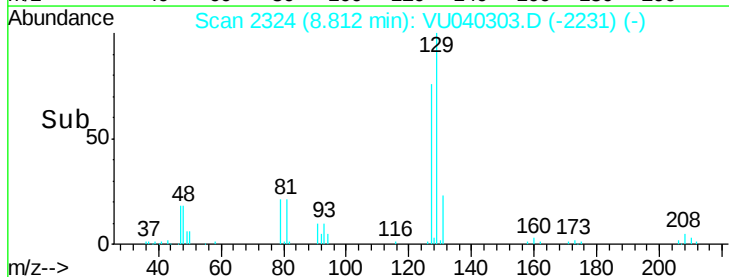
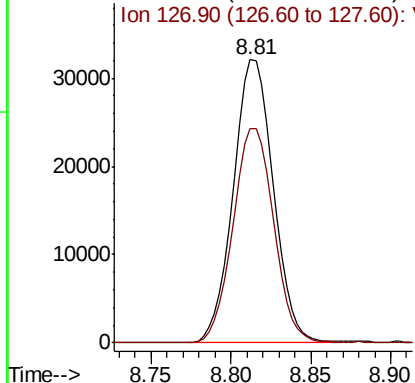


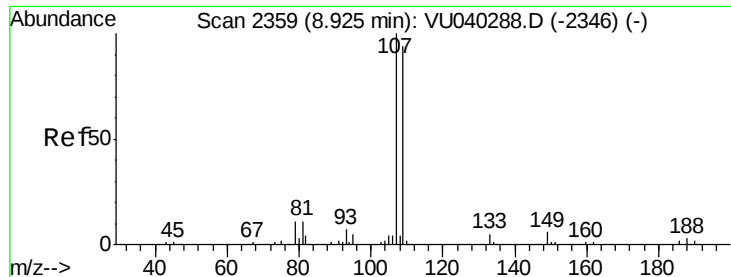
#49
Dibromochloromethane
Concen: 5.425 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion:	129	Resp:	54876
Ion	Ratio	Lower	Upper
129	100		
127	75.7	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040303.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040303.D (-2231) (-)

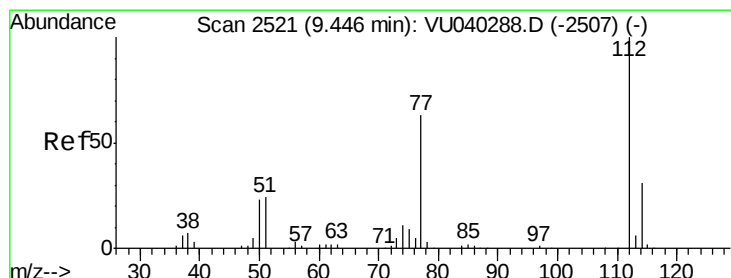
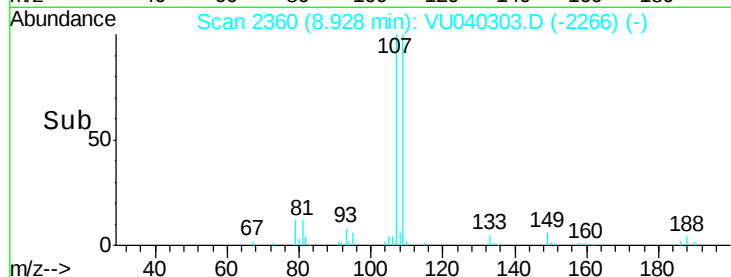
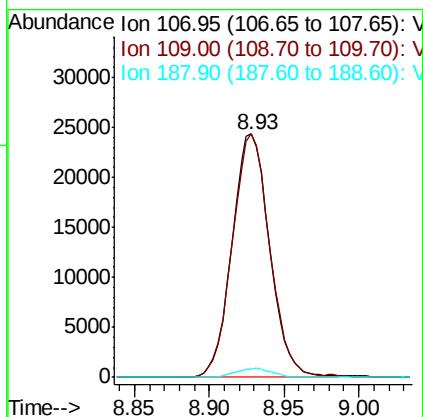
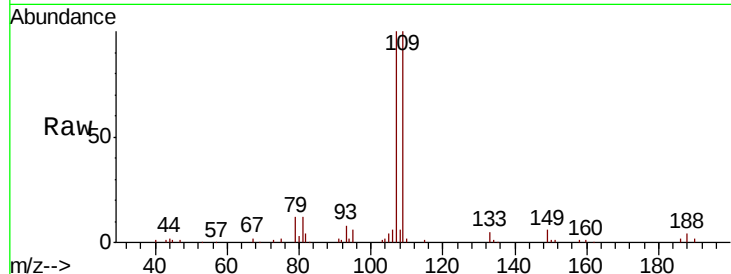




#50
 1,2-Dibromoethane
 Concen: 5.245 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

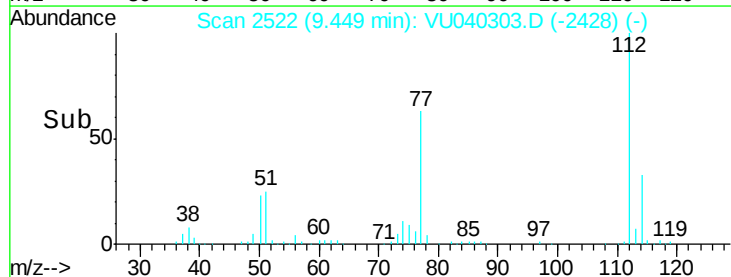
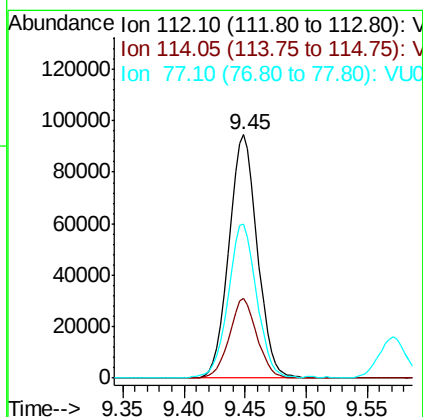
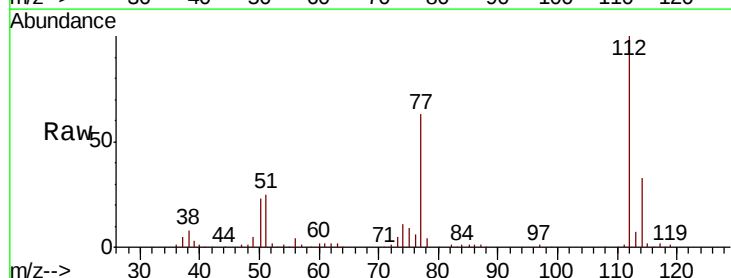
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

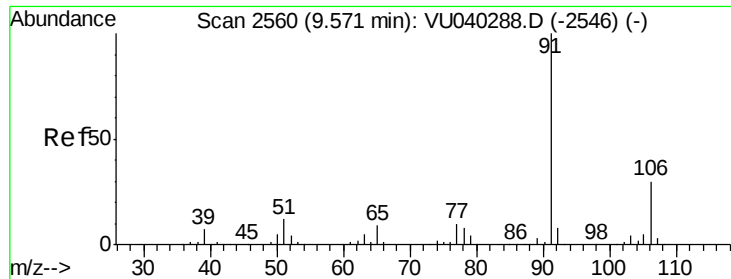
Tot Ion:107 Resp: 42618
 Ion Ratio Lower Upper
 107 100
 109 99.9 62.4 115.8
 188 3.5 2.3 3.5#



#51
 Chlorobenzene
 Concen: 5.635 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion:112 Resp: 153932
 Ion Ratio Lower Upper
 112 100
 114 32.7 22.7 42.3
 77 63.2 53.2 79.8

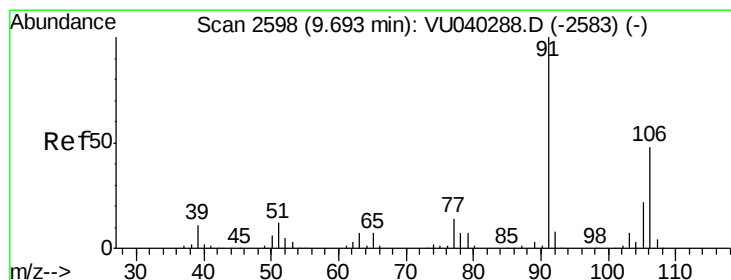
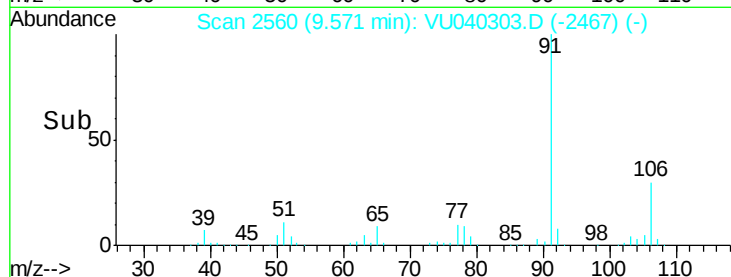
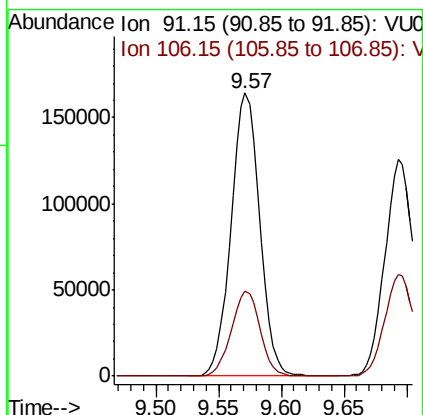
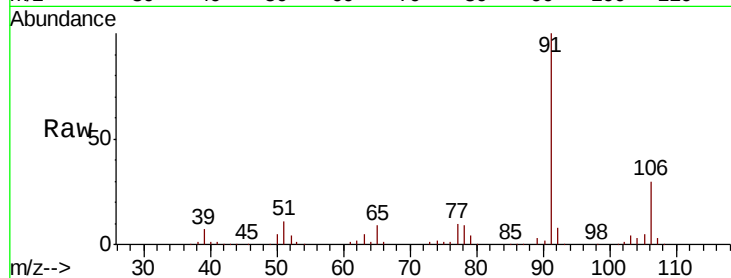




#52
Ethylbenzene
Concen: 5.208 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

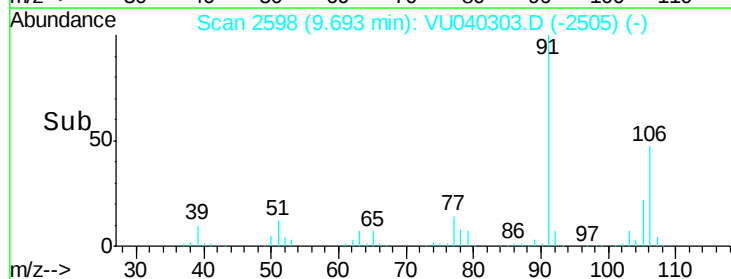
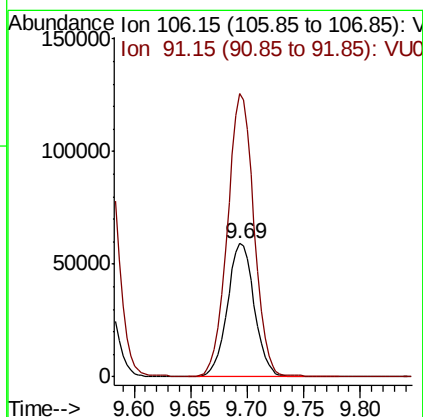
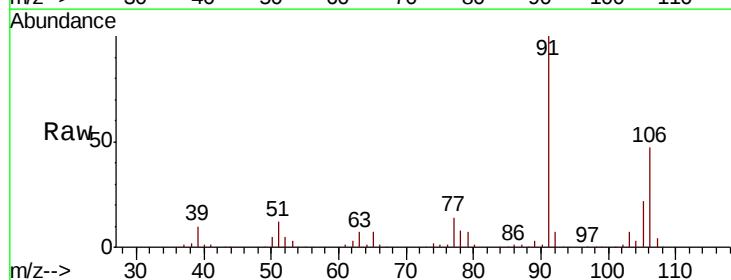
Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

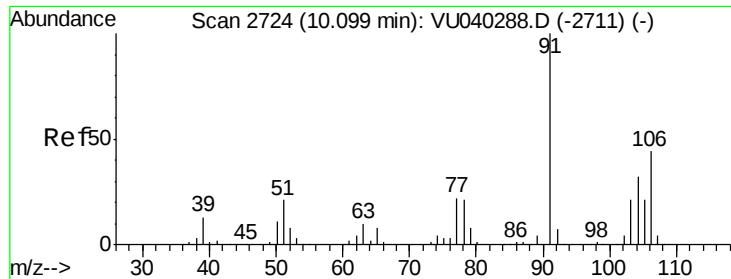
Tot Ion: 91 Resp: 260344
Ion Ratio Lower Upper
91 100
106 30.0 21.0 39.0



#53
m,p-Xylene
Concen: 5.531 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion: 106 Resp: 98435
Ion Ratio Lower Upper
106 100
91 212.1 151.7 281.7

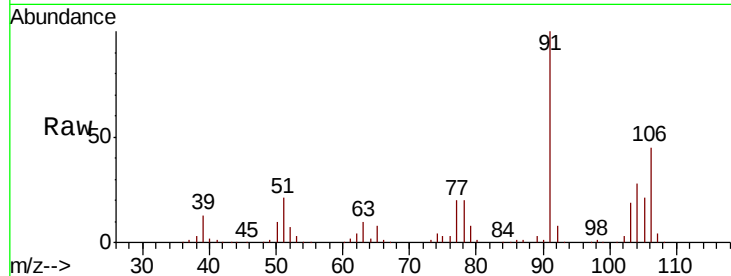




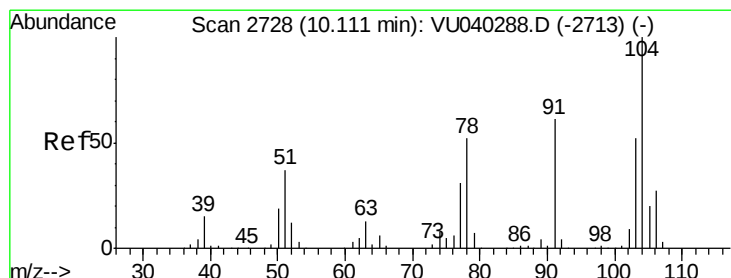
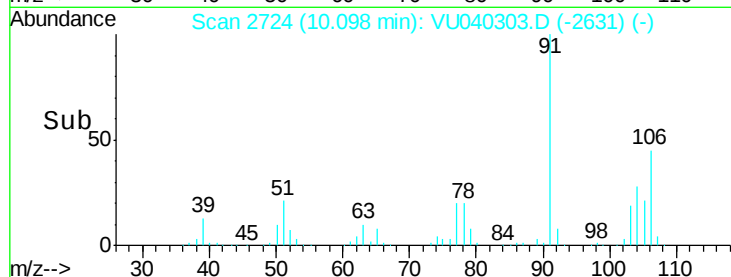
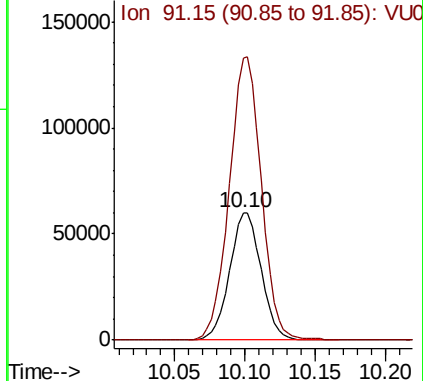
#54
o-Xylene
Concen: 5.547 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Instrument :
MSVOA_U
ClientSampleId :
VSTD00520

Tot Ion:106 Resp: 94083
Ion Ratio Lower Upper
106 100
91 220.9 160.8 298.6

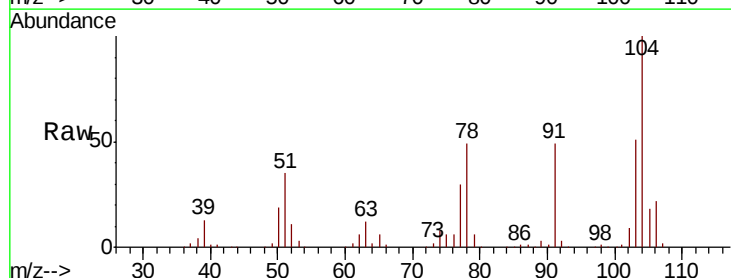


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

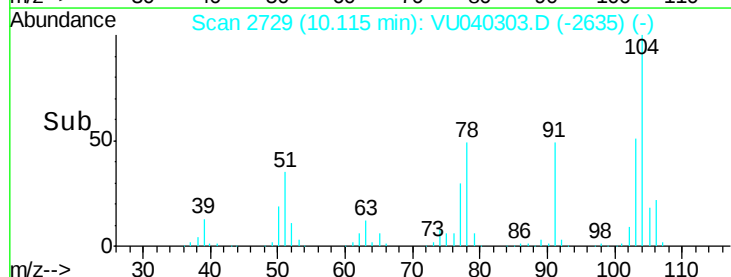
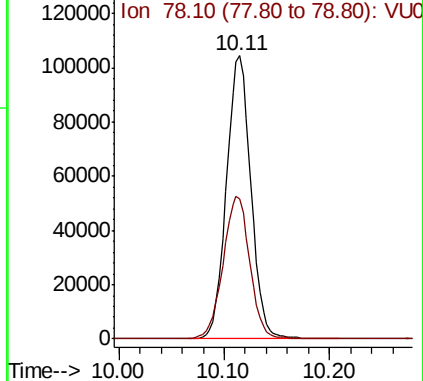


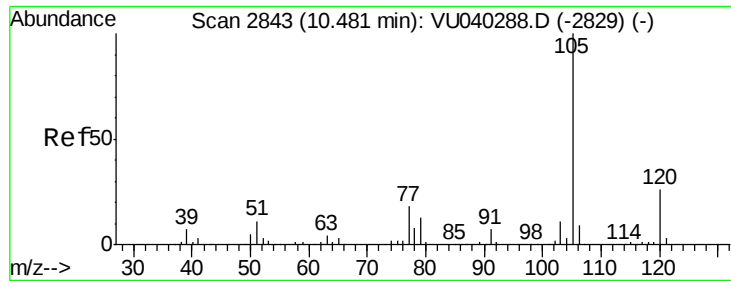
#55
Styrene
Concen: 5.669 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040303.D
Acq: 25 Sep 2020 16:24

Tgt Ion:104 Resp: 167192
Ion Ratio Lower Upper
104 100
78 49.4 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.432 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

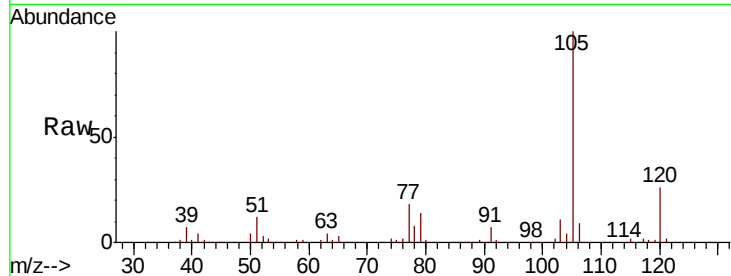
Tot Ion:105 Resp: 251246

Ion Ratio Lower Upper

105 100

120 26.7 20.1 30.1

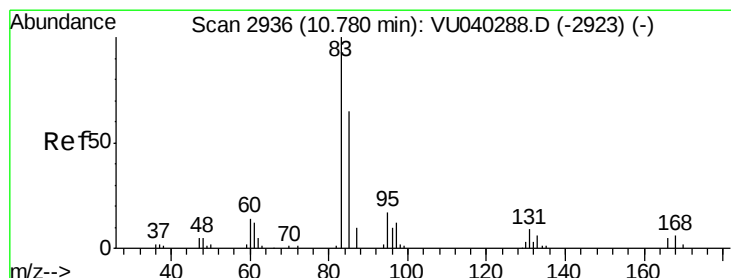
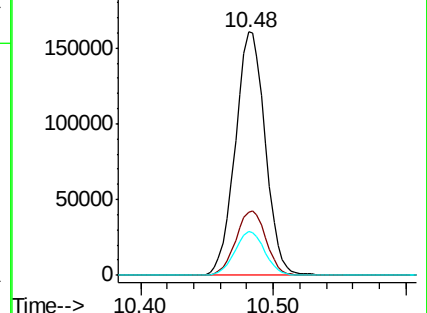
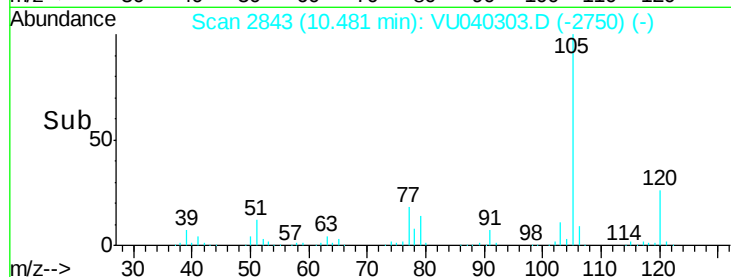
77 18.0 14.4 21.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.808 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

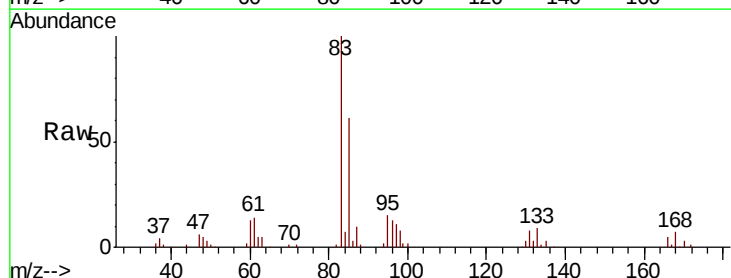
Tgt Ion: 83 Resp: 62759

Ion Ratio Lower Upper

83 100

85 60.9 44.9 83.3

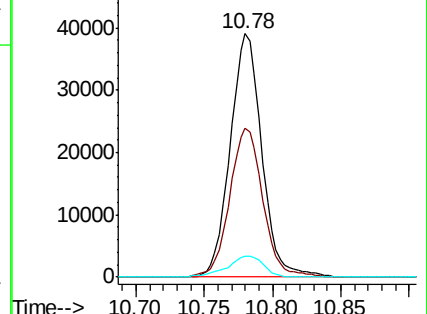
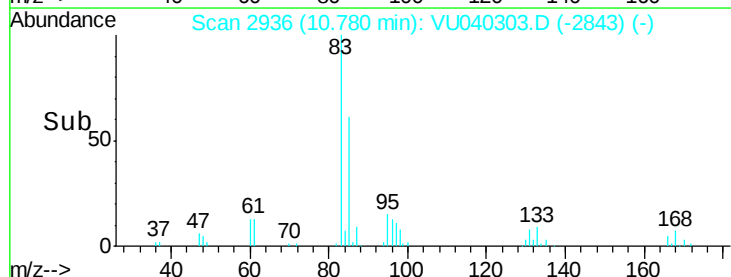
131 8.5 7.4 11.0

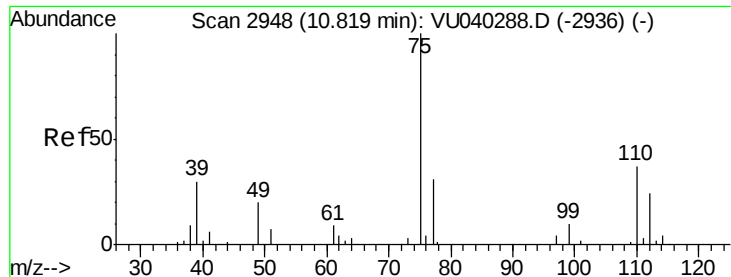


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

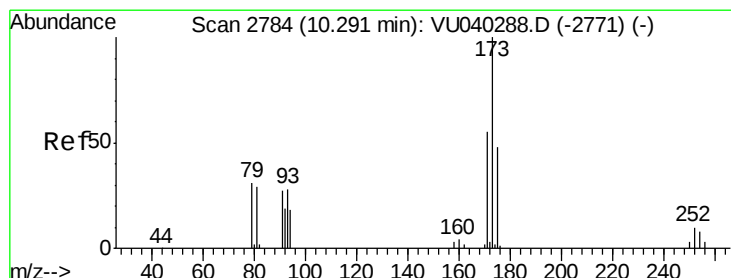
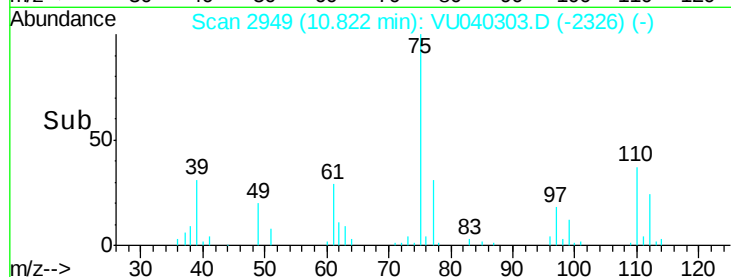
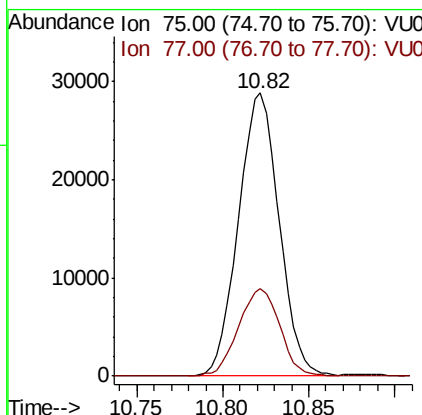
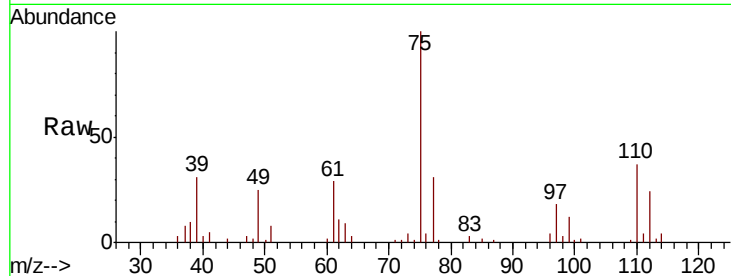




#59
 1,2,3-Trichloropropane
 Concen: 5.528 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

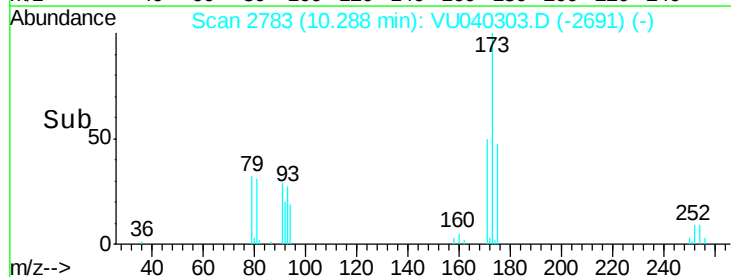
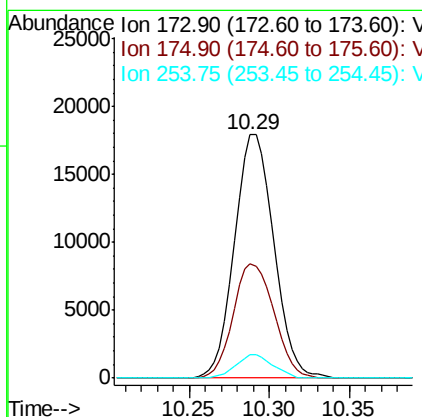
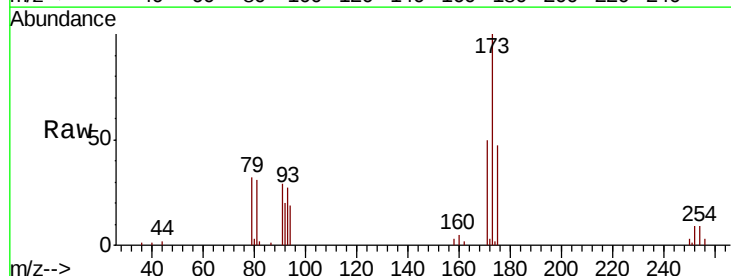
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

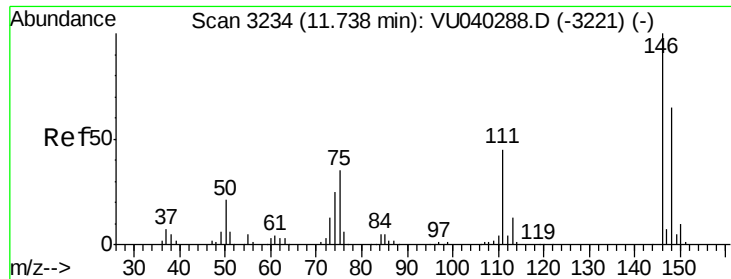
Tot Ion: 75 Resp: 47375
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.9 37.3



#61
 Bromoform
 Concen: 5.168 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion: 173 Resp: 30058
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.8 56.6
 254 8.9 6.8 10.2





#62

1,3-Dichlorobenzene

Concen: 5.391 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

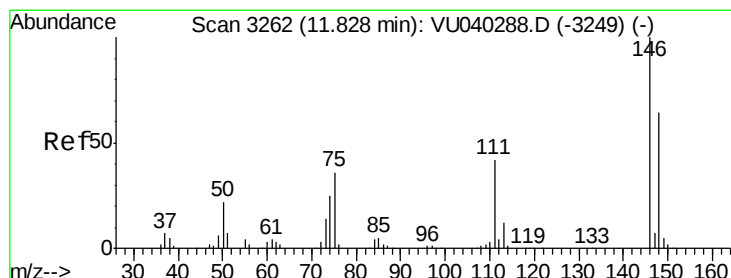
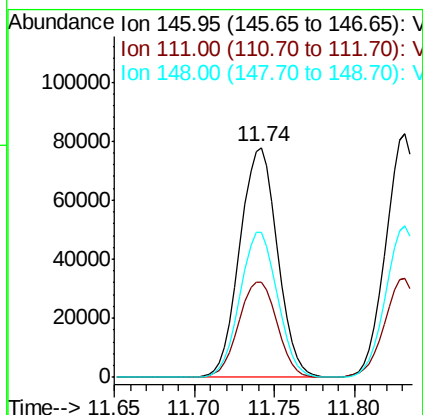
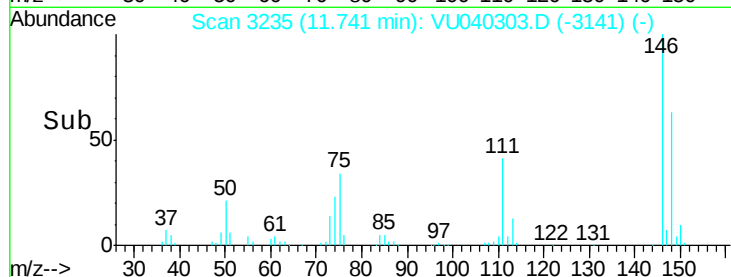
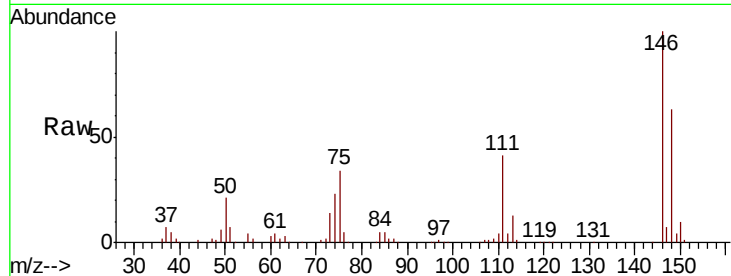
Tot Ion:146 Resp: 124939

Ion Ratio Lower Upper

146 100

111 41.2 31.6 58.8

148 63.0 44.2 82.0



#63

1,4-Dichlorobenzene

Concen: 5.374 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

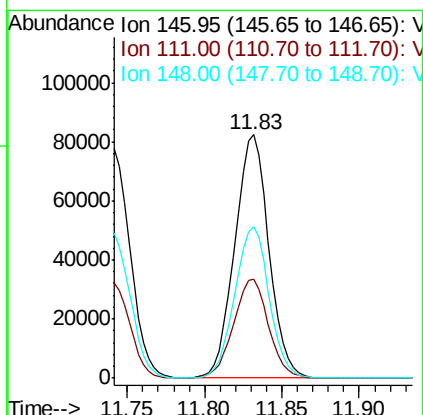
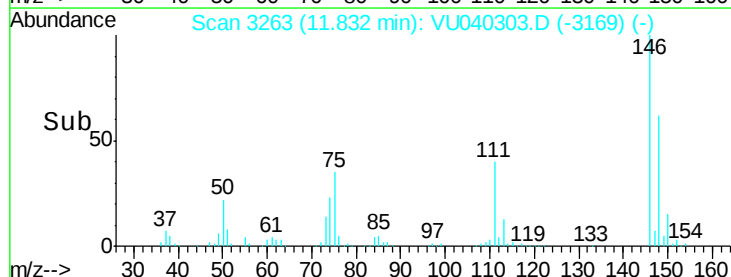
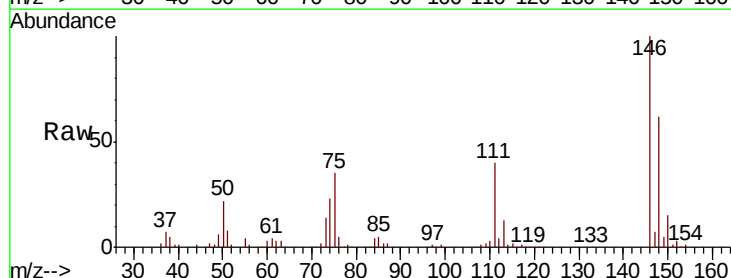
Tgt Ion:146 Resp: 126028

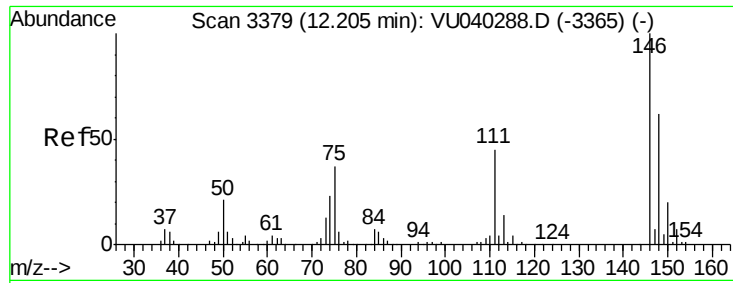
Ion Ratio Lower Upper

146 100

111 40.5 30.5 56.7

148 62.3 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 5.360 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampled :

VSTD00520

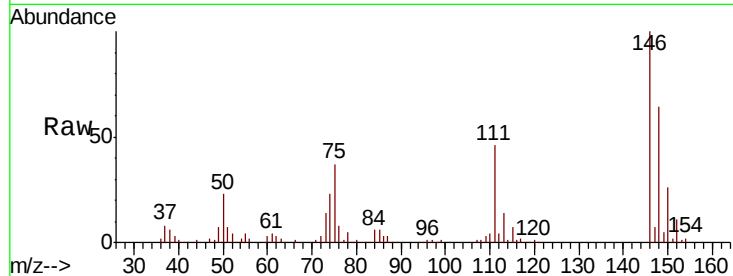
Tot Ion:146 Resp: 120200

Ion Ratio Lower Upper

146 100

111 46.0 36.5 54.7

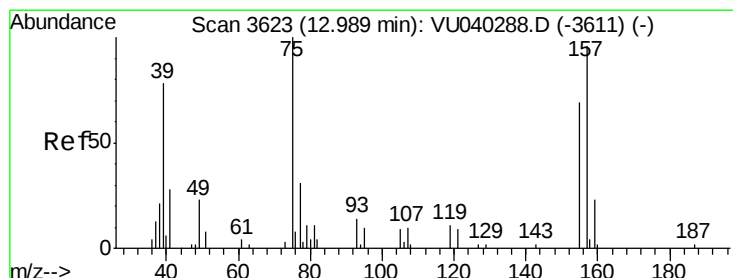
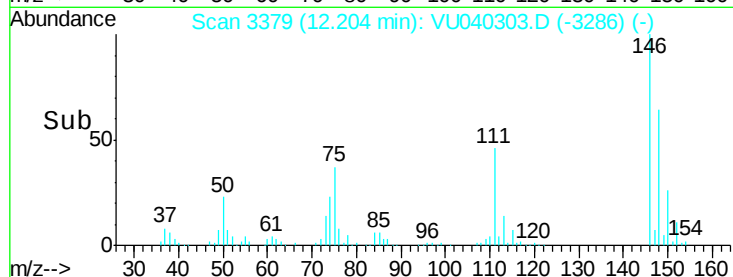
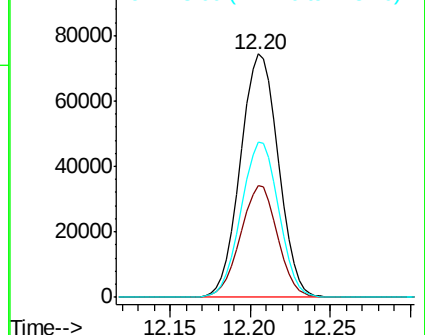
148 63.7 48.6 72.8



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: 4.362 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

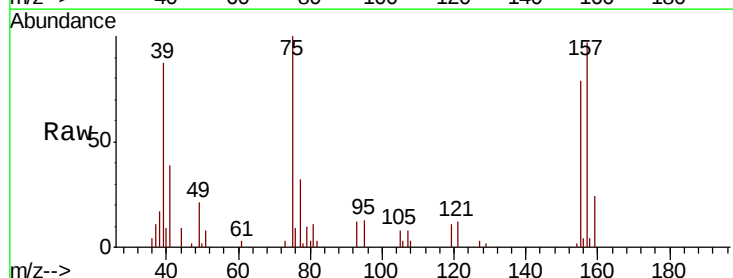
Tgt Ion: 75 Resp: 10462

Ion Ratio Lower Upper

75 100

155 79.3 54.6 82.0

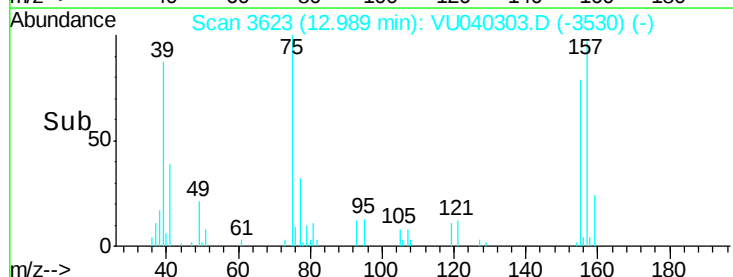
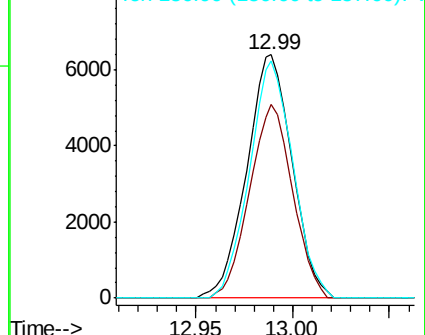
157 97.3 75.6 113.4

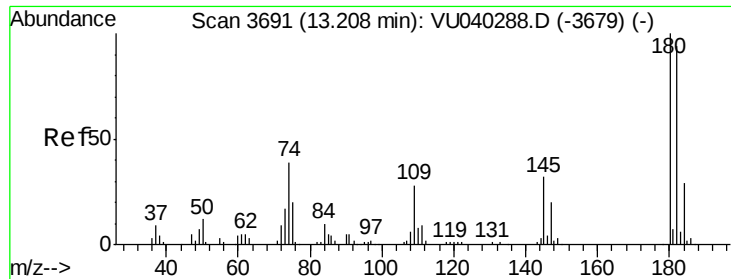


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

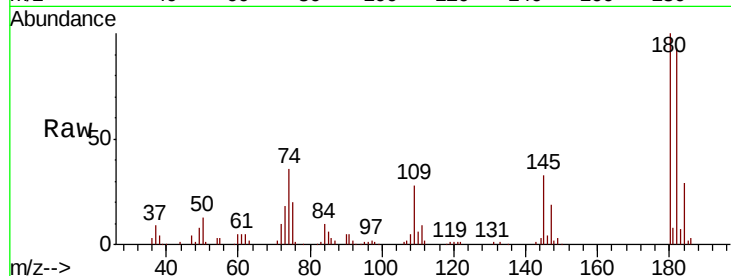




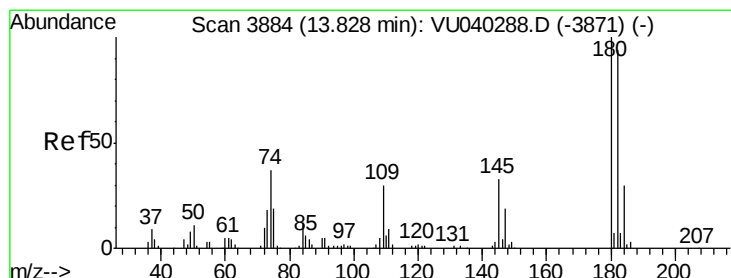
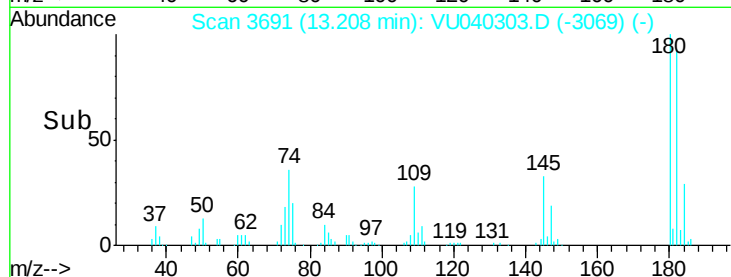
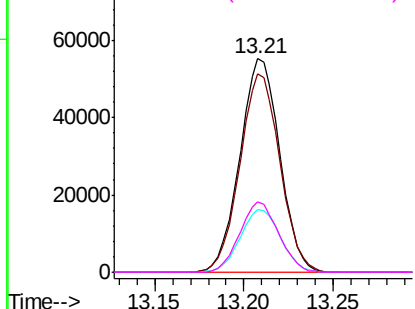
#67
 1,3,5-Trichlorobenzene
 Concen: 5.269 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00520

Tot Ion:180	Resp:	85868
Ion	Ratio	Lower Upper
180	100	
182	93.3	76.9 115.3
184	29.7	24.6 36.8
145	32.1	27.0 40.6

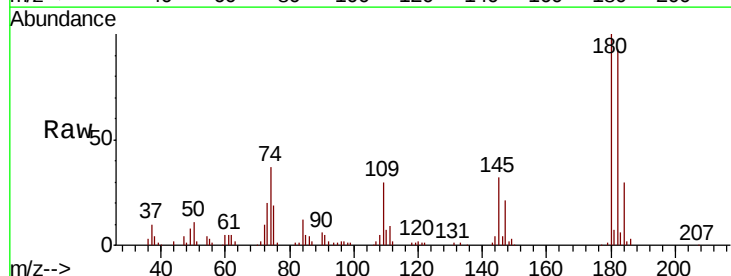


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

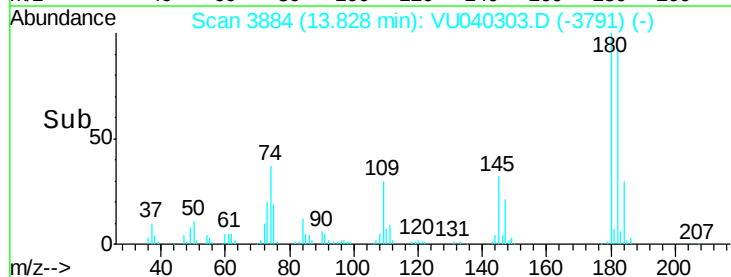
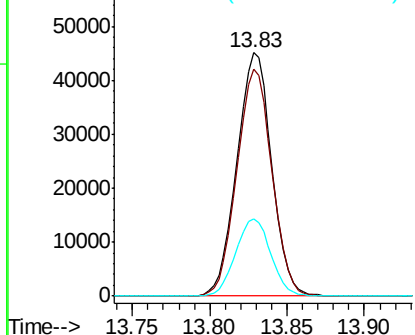


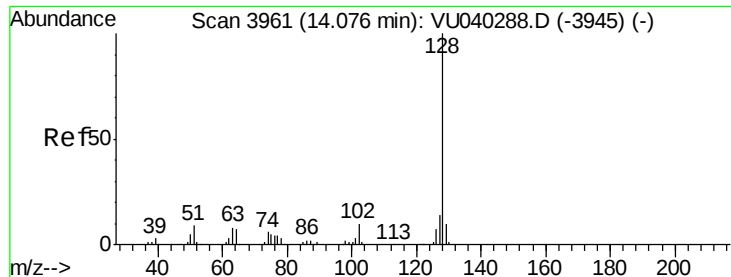
#68
 1,2,4-trichlorobenzene
 Concen: 5.024 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040303.D
 Acq: 25 Sep 2020 16:24

Tgt Ion:180	Resp:	70526
Ion	Ratio	Lower Upper
180	100	
182	93.8	76.0 114.0
145	31.9	28.4 42.6



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: 4.155 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

Instrument :

MSVOA_U

ClientSampleId :

VSTD00520

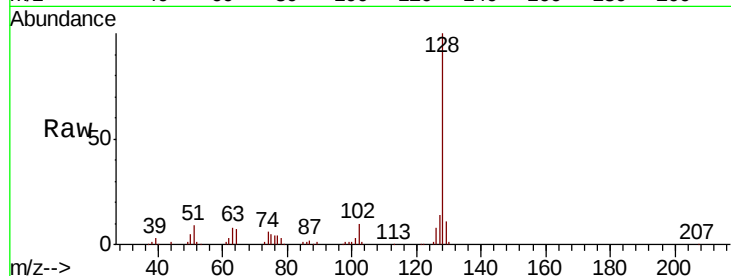
Tot Ion:128 Resp: 121563

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

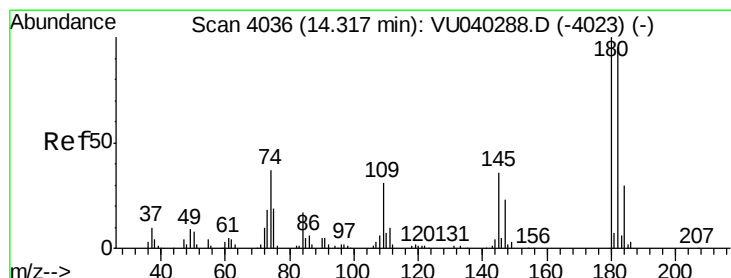
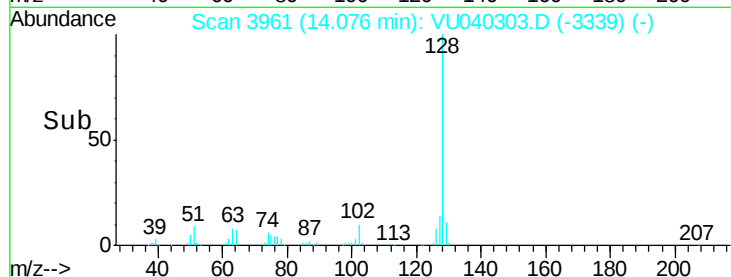
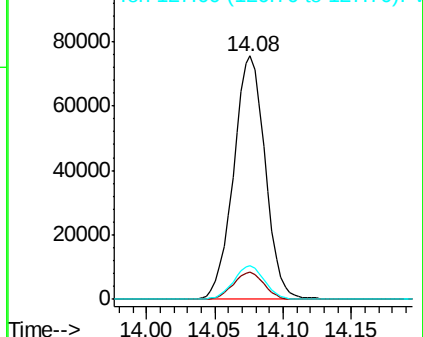
127 13.5 10.7 16.1



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: 5.102 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. -0.00 min

Lab File: VU040303.D

Acq: 25 Sep 2020 16:24

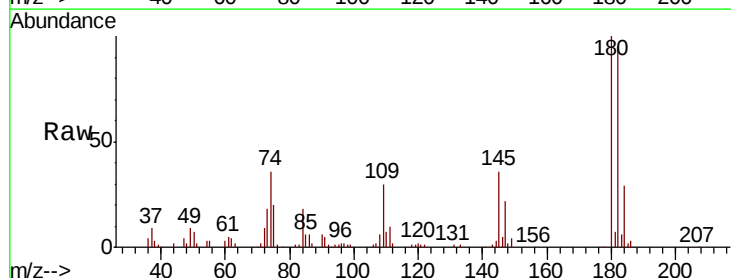
Tgt Ion:180 Resp: 65784

Ion Ratio Lower Upper

180 100

182 95.7 77.8 116.6

145 34.5 28.7 43.1



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

