

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU041007.D
 Acq On : 28 Oct 2020 21:11
 Operator : SY/MD
 Sample : VSTDCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Quant Time: Oct 29 02:07:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:58:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119696	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119542	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	60180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37688	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.92	69	30282	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.58	65	18448	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	4.66	46	173032	51.56	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	5.08	84	81224	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.72	65	50427	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.74	84	142188	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.70	67	49370	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	7.91	98	125028	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	8.19	79	21125	4.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.80%
46) 2-Hexanone-d5	8.64	63	124332	53.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.98%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	46167	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
66) 1,2-Dichlorobenzene-d4	12.19	152	47002	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	52992	5.193	ug/L	99
3) Chloromethane	1.53	50	53515	5.008	ug/L	99
5) Vinyl chloride	1.61	62	52710	4.981	ug/L	97
6) Bromomethane	1.87	94	28724	5.090	ug/L	98
8) Chloroethane	1.94	64	32339	4.777	ug/L	93
9) Trichlorofluoromethane	2.15	101	73825	5.032	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	43282	5.087	ug/L	98
12) 1,1-Dichloroethene	2.59	96	40467	4.993	ug/L	98
13) Acetone	2.68	43	106807	50.785	ug/L	74
14) Carbon disulfide	2.81	76	129150	5.006	ug/L	99
15) Methyl Acetate	2.98	43	24193	4.915	ug/L	97
16) Methylene chloride	3.06	84	46094	4.764	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	107540	5.092	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	41066	4.999	ug/L	100
19) 1,1-Dichloroethane	3.89	63	83932	4.934	ug/L	99
21) 2-Butanone	4.75	43	172967	50.688	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	44288	5.047	ug/L	97

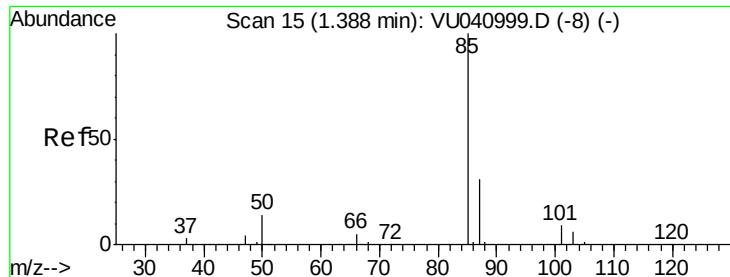
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	20961	5.021	ug/L	98
25) Chloroform	5.11	83	85075	4.897	ug/L	96
27) 1,2-Dichloroethane	5.81	62	63289	4.978	ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	73079	4.923	ug/L	98
30) Cyclohexane	5.41	56	70666	5.136	ug/L	98
31) Carbon tetrachloride	5.54	117	62451	4.930	ug/L	95
33) Benzene	5.79	78	177900	5.117	ug/L	100
34) Trichloroethene	6.56	95	47466	5.128	ug/L	97
35) Methylcyclohexane	6.77	83	66310	5.145	ug/L	98
37) 1,2-Dichloropropane	6.80	63	50908	5.158	ug/L	99
38) Bromodichloromethane	7.12	83	62532	5.071	ug/L #	98
39) cis-1,3-Dichloropropene	7.62	75	64320	4.926	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	398536	53.463	ug/L	100
42) Toluene	7.98	91	183698	5.225	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	63065	5.184	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	36062	5.115	ug/L	97
47) Tetrachloroethene	8.56	164	31819	4.961	ug/L	94
48) 2-Hexanone	8.69	43	300149	53.671	ug/L	100
49) Dibromochloromethane	8.82	129	41526	5.108	ug/L	93
50) 1,2-Dibromoethane	8.93	107	33376	5.056	ug/L	93
51) Chlorobenzene	9.45	112	111746	4.955	ug/L	99
52) Ethylbenzene	9.57	91	192581	5.278	ug/L	99
53) m,p-Xylene	9.69	106	71411	5.410	ug/L	99
54) o-Xylene	10.10	106	66905	5.300	ug/L	99
55) Styrene	10.11	104	119051	5.430	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.78	83	45841	5.040	ug/L	92
59) Bromoform	10.29	173	22957	4.892	ug/L	97
60) Isopropylbenzene	10.48	105	180484	5.167	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	35473	4.887	ug/L	98
62) 1,3,5-Trimethylbenzene	11.09	105	142086	5.069	ug/L	100
63) 1,2,4-Trimethylbenzene	11.47	105	150317	5.293	ug/L	100
64) 1,3-Dichlorobenzene	11.74	146	89178	5.119	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	90879	5.106	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	83580	4.947	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.99	75	8167	4.882	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	58808	4.917	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	49564	4.921	ug/L	95
71) Naphthalene	14.08	128	87544	4.965	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	49015	5.195	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.193 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

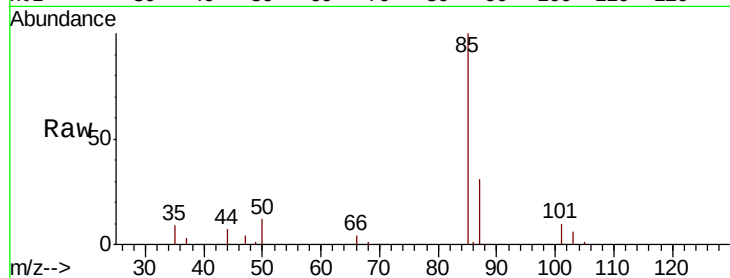
VSTD005109

Tot Ion: 85 Resp: 52992

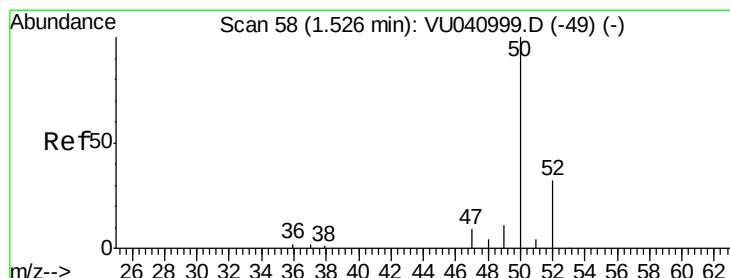
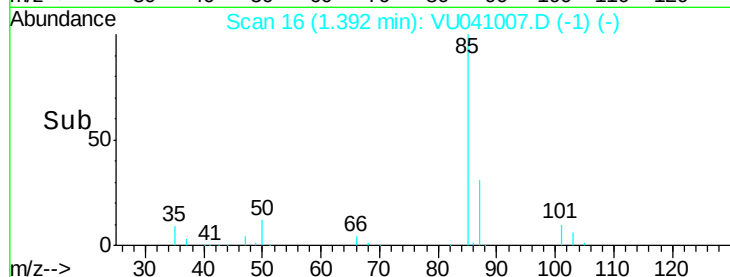
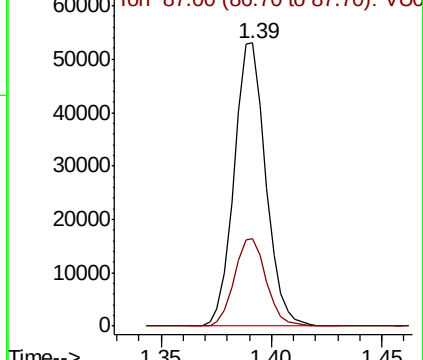
Ion Ratio Lower Upper

85 100

87 31.1 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU041007.D (-1) (-)



#3

Chloromethane

Concen: 5.008 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041007.D

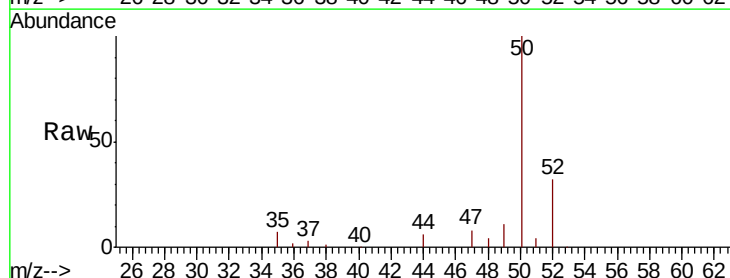
Acq: 28 Oct 2020 21:11

Tgt Ion: 50 Resp: 53515

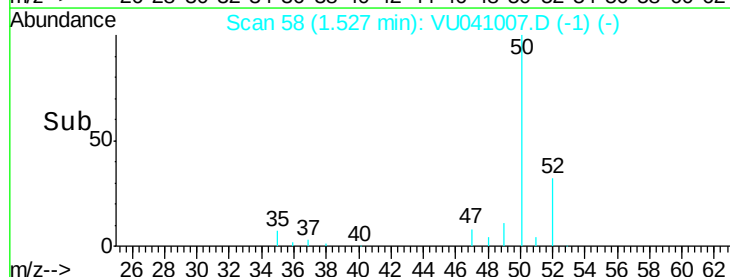
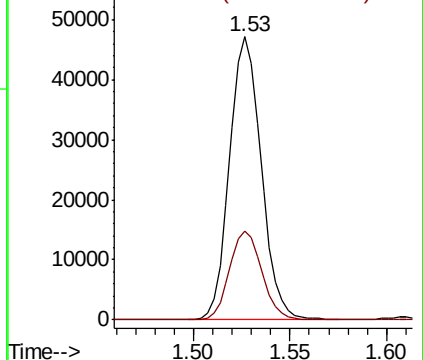
Ion Ratio Lower Upper

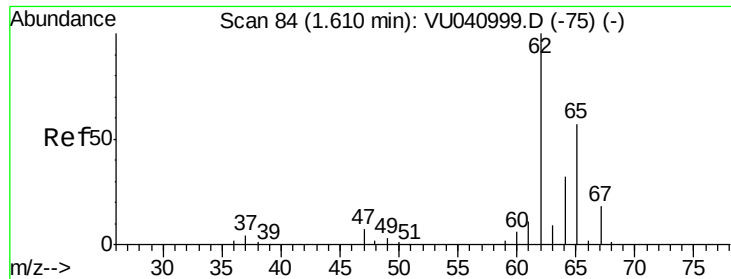
50 100

52 31.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU041007.D (-1) (-)





#5

Vinyl chloride

Concen: 4.981 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampled :

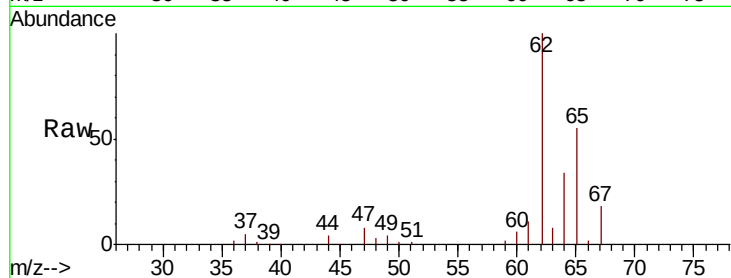
VSTD005109

Tot Ion: 62 Resp: 52710

Ion Ratio Lower Upper

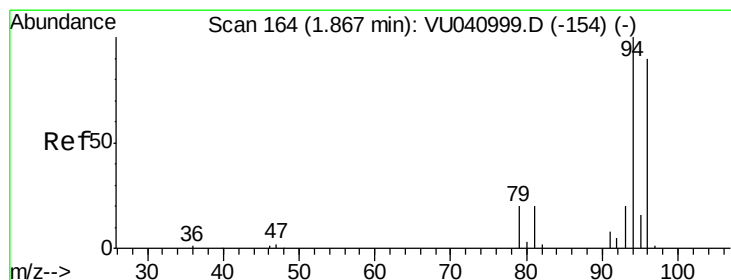
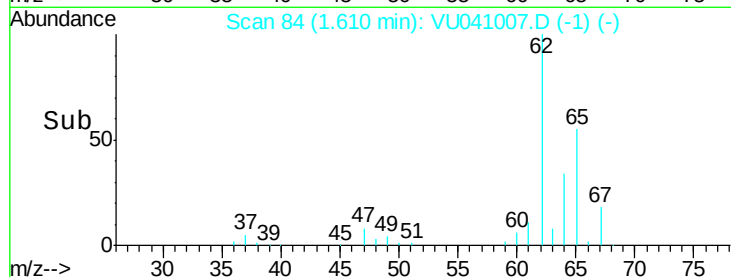
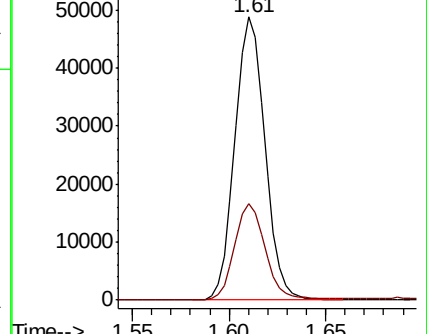
62 100

64 34.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 5.090 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041007.D

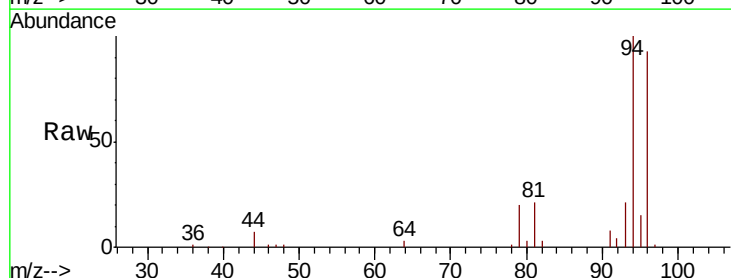
Acq: 28 Oct 2020 21:11

Tgt Ion: 94 Resp: 28724

Ion Ratio Lower Upper

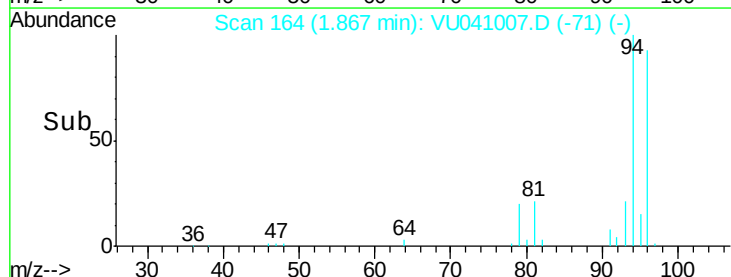
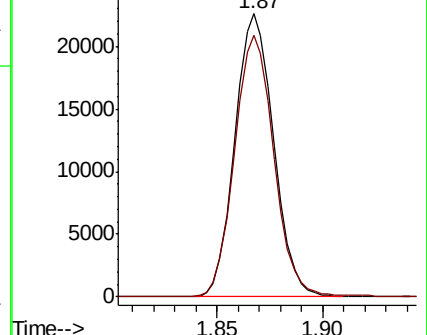
94 100

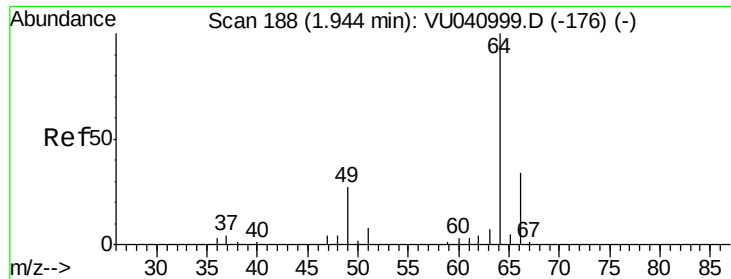
96 92.6 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.777 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

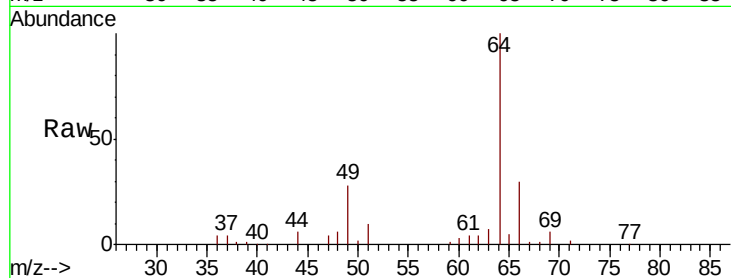
VSTD005109

Tot Ion: 64 Resp: 32339

Ion Ratio Lower Upper

64 100

66 29.6 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU041007.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU041007.D (-176) (-)

1.94

25000

20000

15000

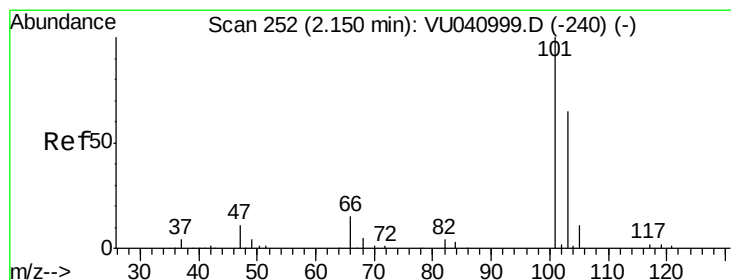
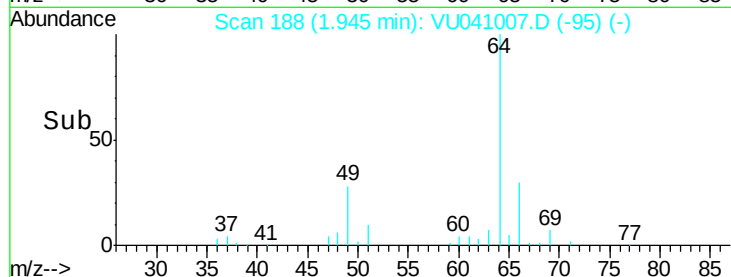
10000

5000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 5.032 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU041007.D

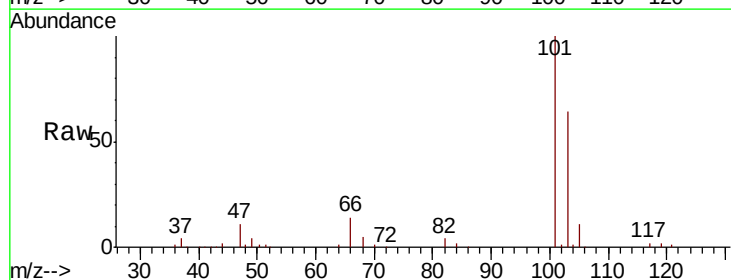
Acq: 28 Oct 2020 21:11

Tgt Ion: 101 Resp: 73825

Ion Ratio Lower Upper

101 100

103 62.9 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU041007.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU041007.D (-240) (-)

2.15

60000

50000

40000

30000

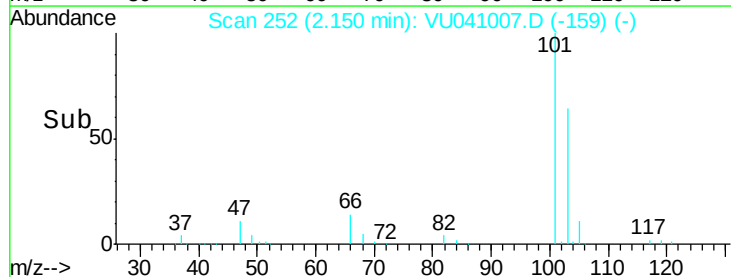
20000

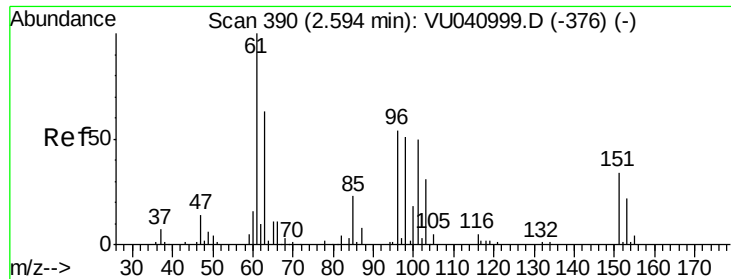
10000

0

2.10 2.15 2.20

Time-->





#10

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

Concen: 5.087 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

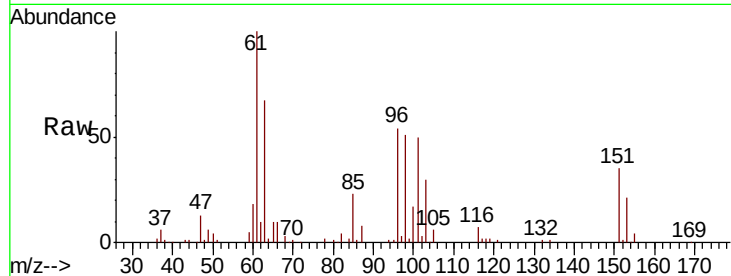
Tot Ion:101 Resp: 43282

Ion Ratio Lower Upper

101 100

85 45.6 38.1 57.1

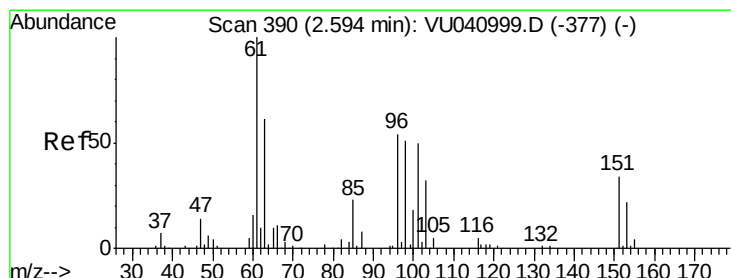
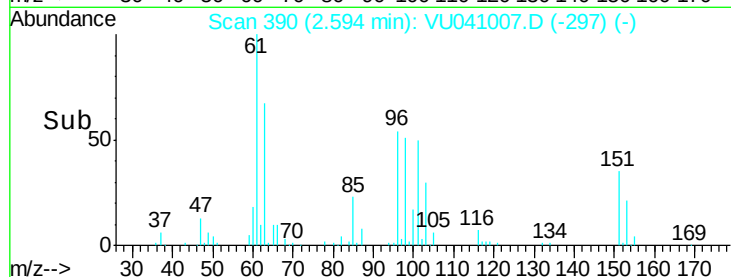
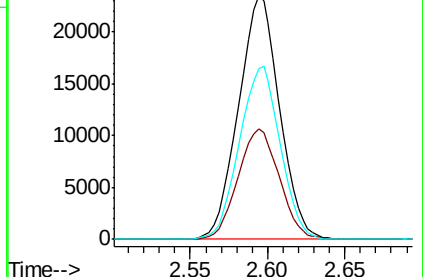
151 70.7 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): VU041007.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU041007.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU041007.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.993 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

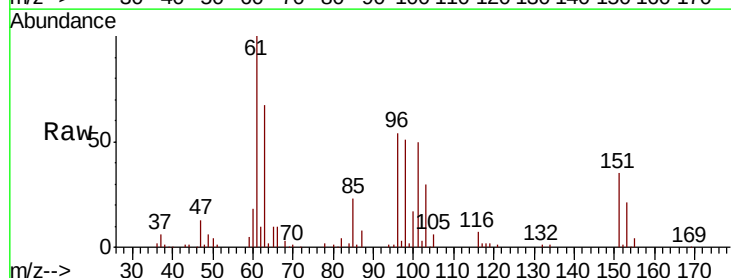
Tgt Ion: 96 Resp: 40467

Ion Ratio Lower Upper

96 100

61 186.6 130.2 241.8

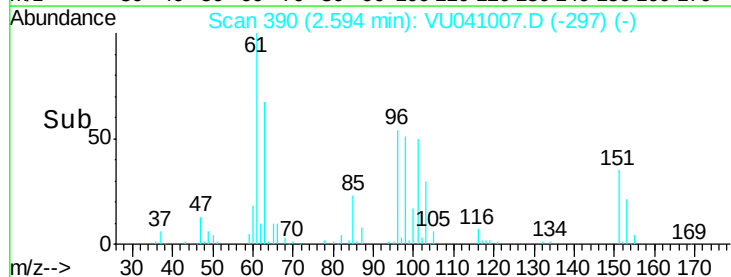
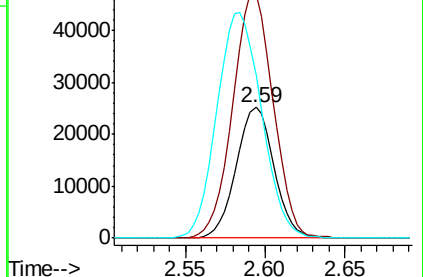
63 124.9 83.7 155.5

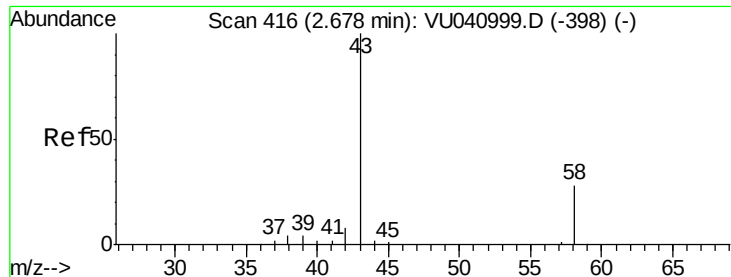


Abundance Ion 96.00 (95.70 to 96.70): VU041007.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU041007.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU041007.D (-297) (-)





#13

Acetone

Concen: 50.785 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

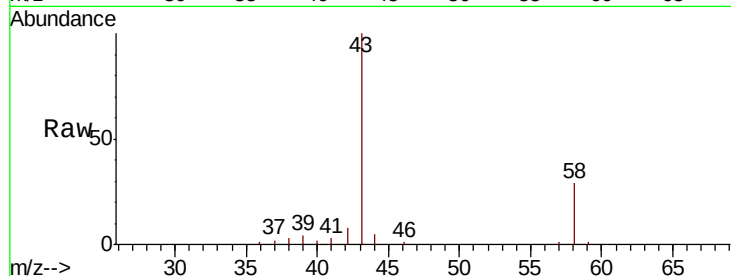
VSTD005109

Tot Ion: 43 Resp: 106807

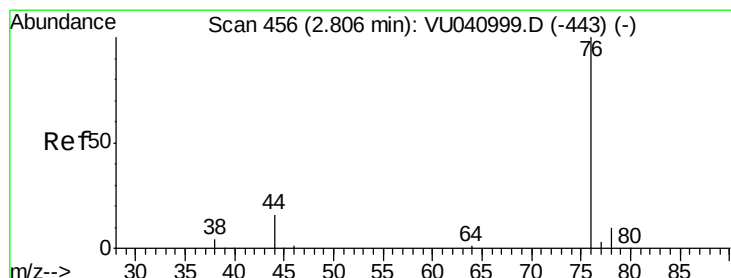
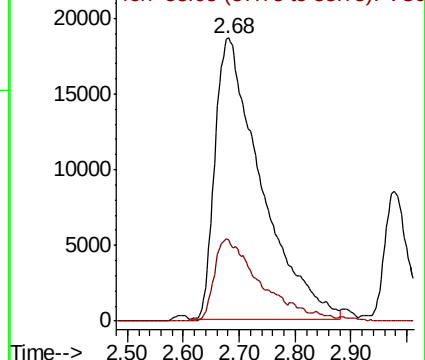
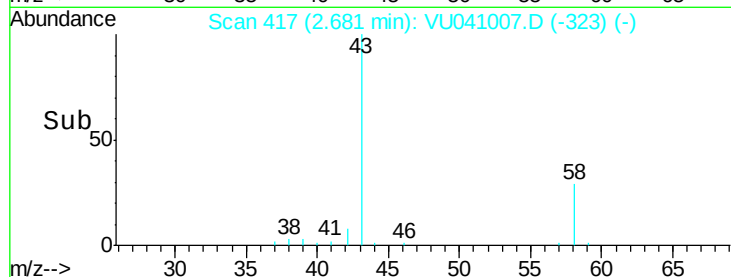
Ion Ratio Lower Upper

43 100

58 26.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU041007.D (-323) (-)



#14

Carbon disulfide

Concen: 5.006 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041007.D

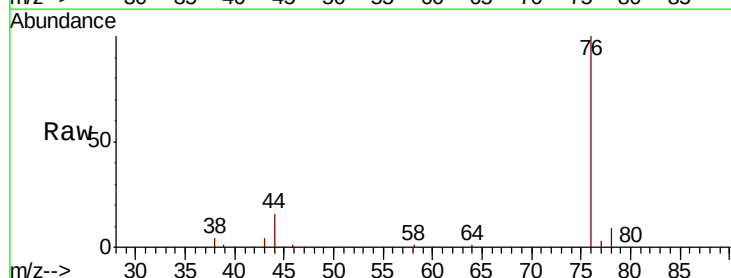
Acq: 28 Oct 2020 21:11

Tgt Ion: 76 Resp: 129150

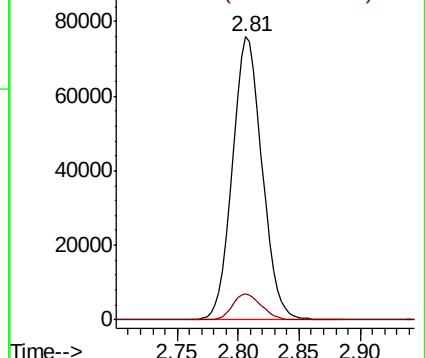
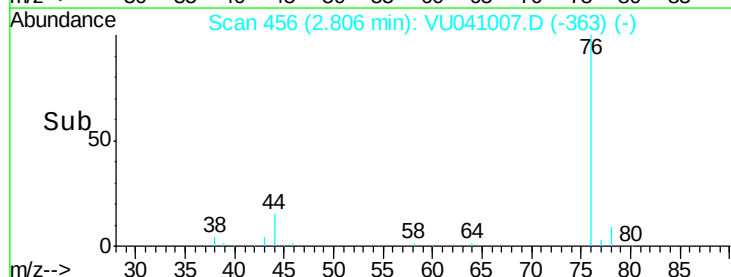
Ion Ratio Lower Upper

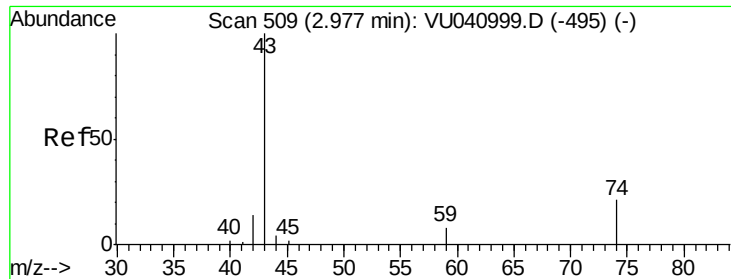
76 100

78 9.2 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041007.D (-363) (-)

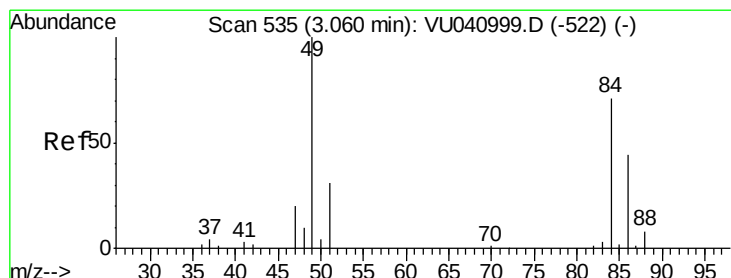
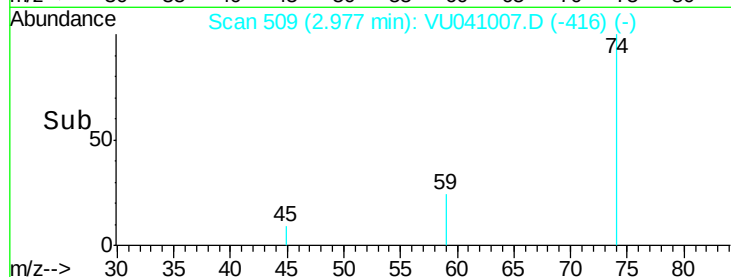
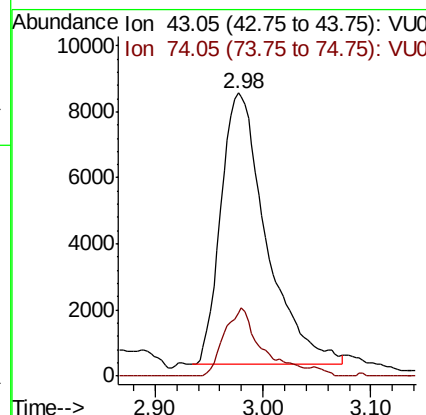
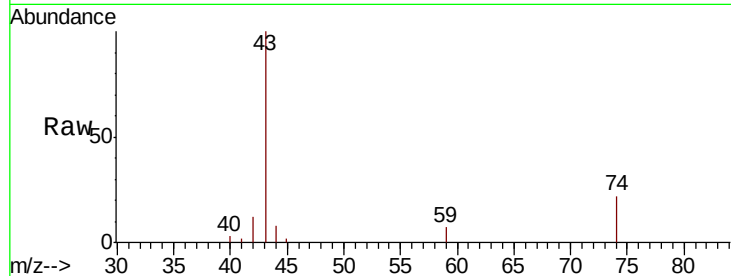




#15
Methvl Acetate
Concen: 4.915 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

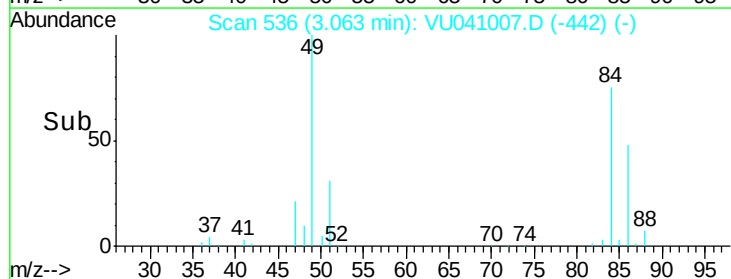
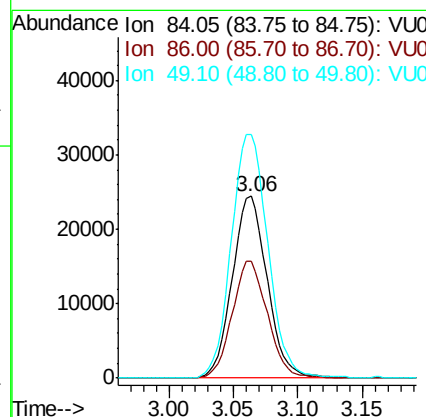
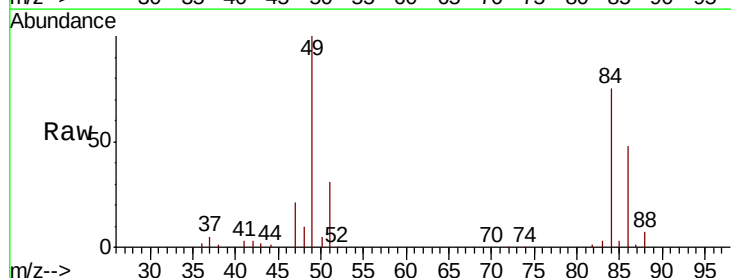
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

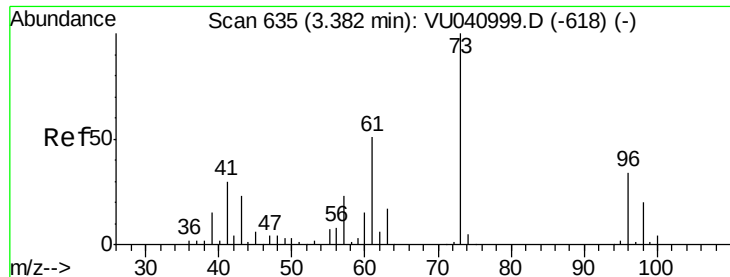
Tot Ion: 43 Resp: 24193
Ion Ratio Lower Upper
43 100
74 20.9 15.6 23.4



#16
Methylene chloride
Concen: 4.764 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Tgt Ion: 84 Resp: 46094
Ion Ratio Lower Upper
84 100
86 64.1 44.2 82.0
49 133.9 99.3 184.3

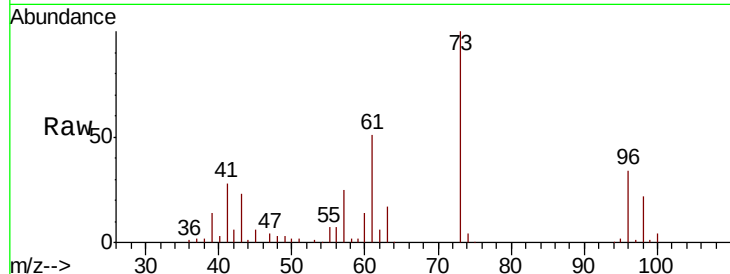




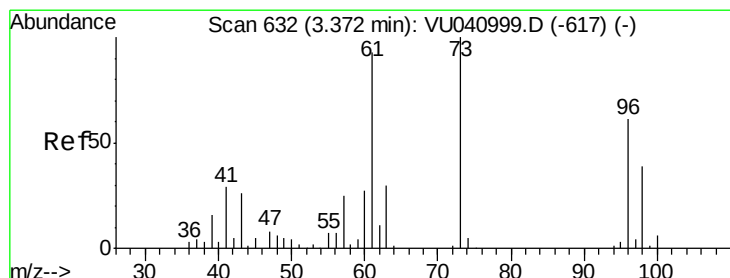
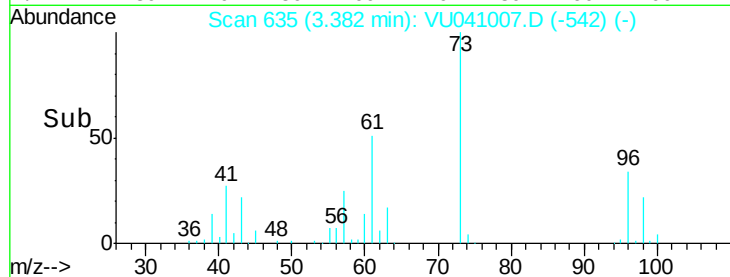
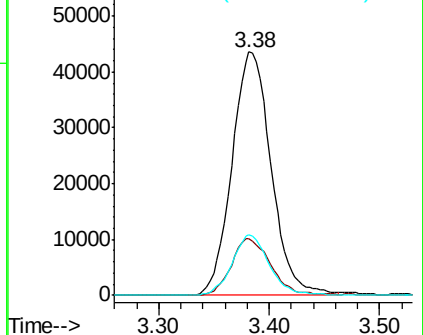
#17
Methyl tert-butyl Ether
Concen: 5.092 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tot Ion: 73 Resp: 107540
Ion Ratio Lower Upper
73 100
43 23.6 19.5 29.3
57 23.5 18.9 28.3

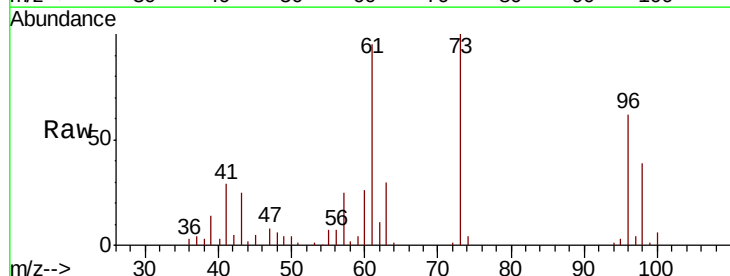


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

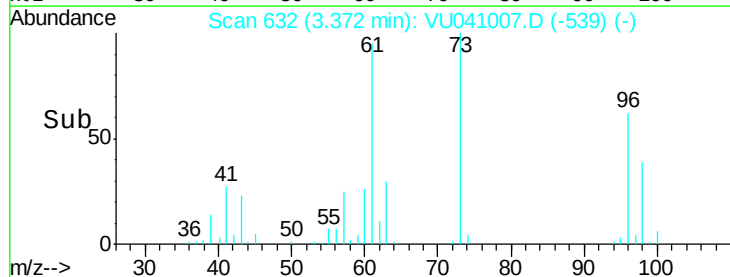
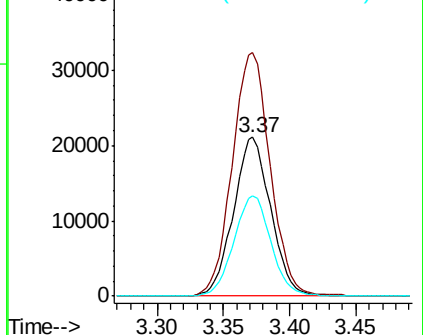


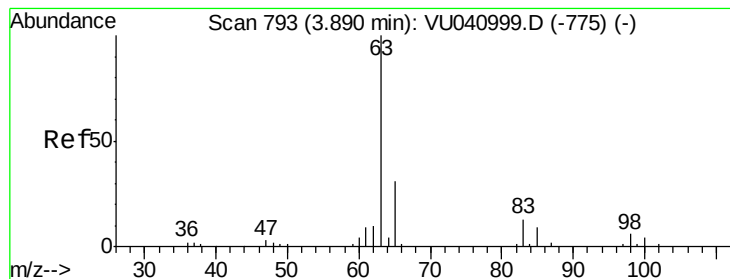
#18
trans-1,2-Dichloroethene
Concen: 4.999 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Tgt Ion: 96 Resp: 41066
Ion Ratio Lower Upper
96 100
61 153.1 107.2 199.0
98 63.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 4.934 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

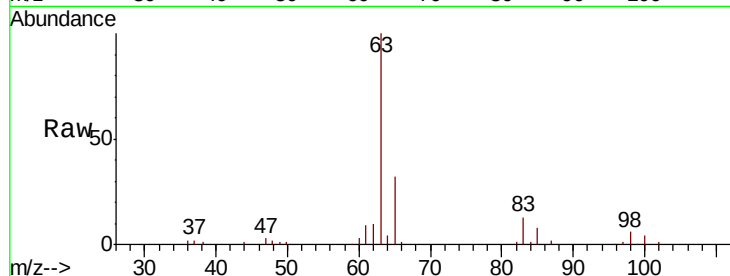
Tot Ion: 63 Resp: 83932

Ion Ratio Lower Upper

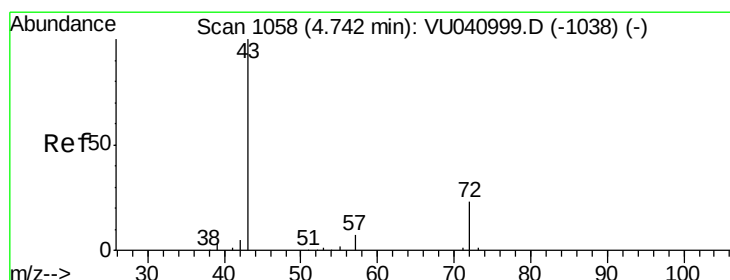
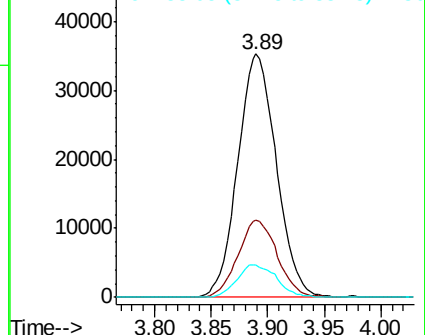
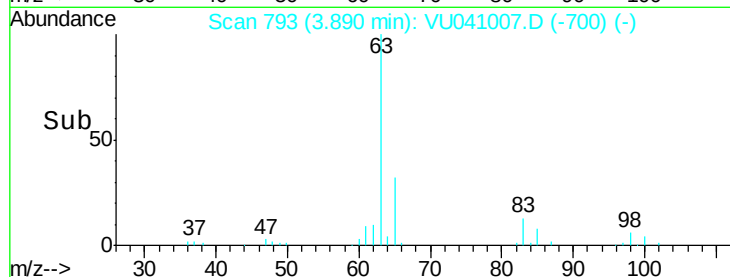
63 100

65 31.8 21.8 40.4

83 13.1 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041007.D (-700) (-)



#21

2-Butanone

Concen: 50.688 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU041007.D

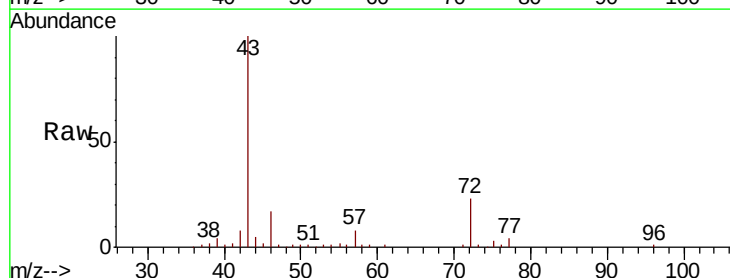
Acq: 28 Oct 2020 21:11

Tgt Ion: 43 Resp: 172967

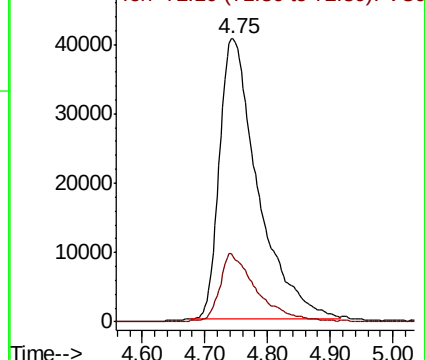
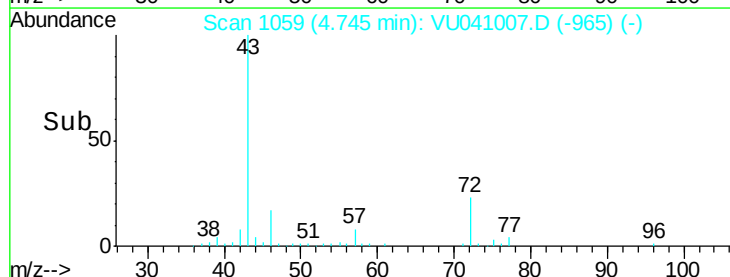
Ion Ratio Lower Upper

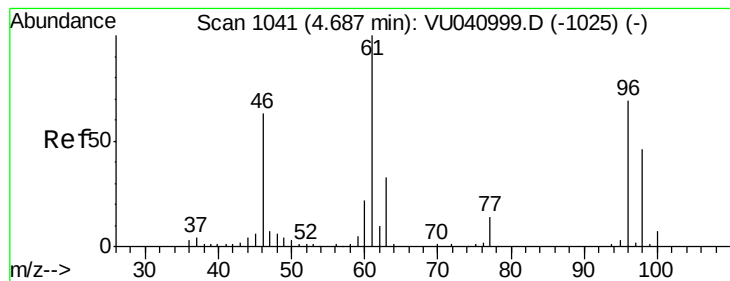
43 100

72 23.4 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU041007.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 5.047 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

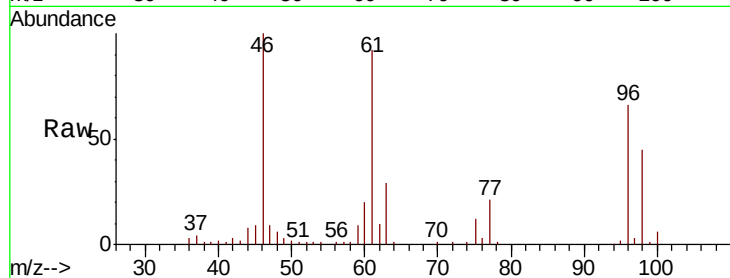
Tot Ion: 96 Resp: 44288

Ion Ratio Lower Upper

96 100

61 140.0 101.7 188.9

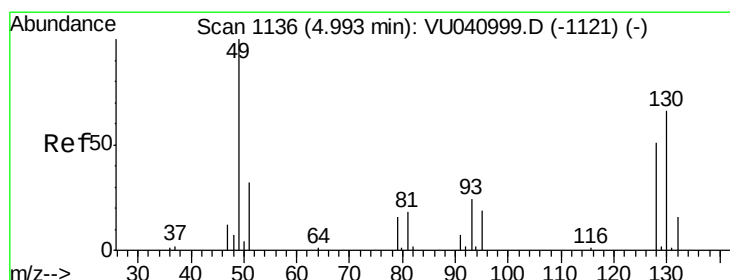
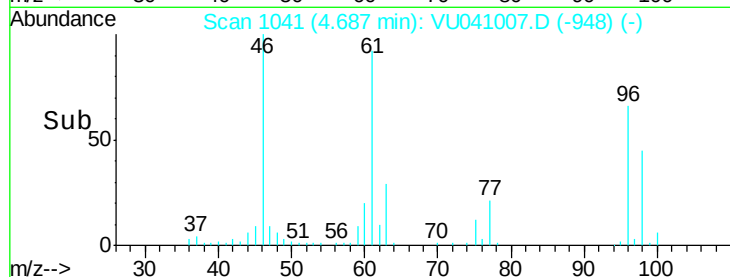
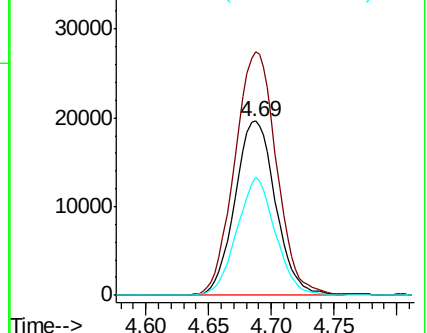
98 67.8 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU041007.D (-948) (-)

Ion 61.05 (60.75 to 61.75): VU041007.D (-948) (-)

Ion 98.00 (97.70 to 98.70): VU041007.D (-948) (-)



#23

Bromochloromethane

Concen: 5.021 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Tgt Ion: 128 Resp: 20961

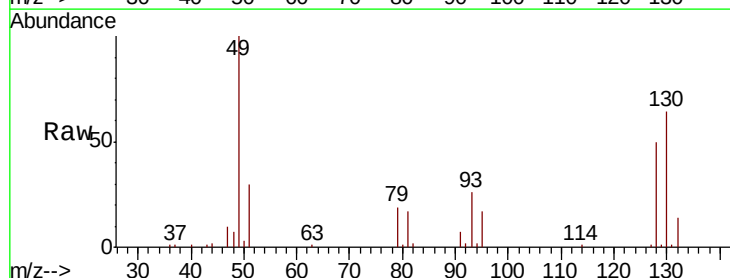
Ion Ratio Lower Upper

128 100

49 201.2 137.5 255.4

130 129.4 90.2 167.4

51 60.4 49.8 74.6

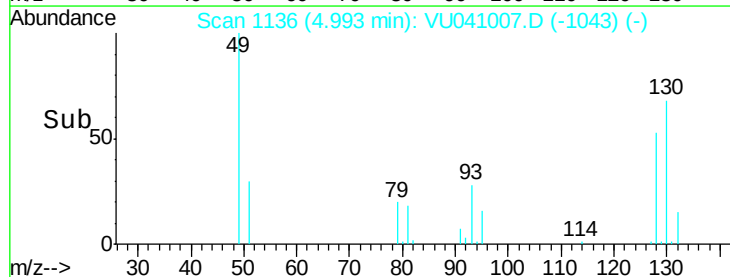
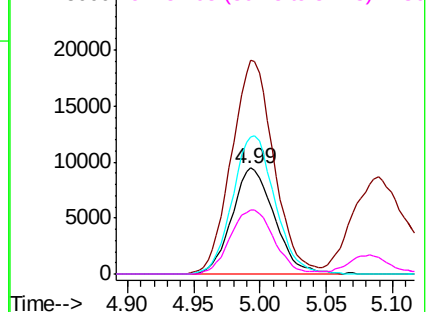


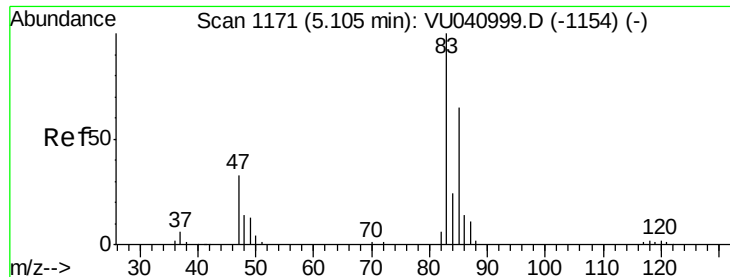
Abundance Ion 127.90 (127.60 to 128.60): VU041007.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041007.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041007.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041007.D (-1043) (-)

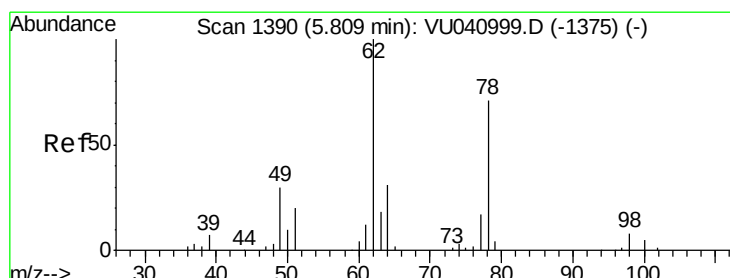
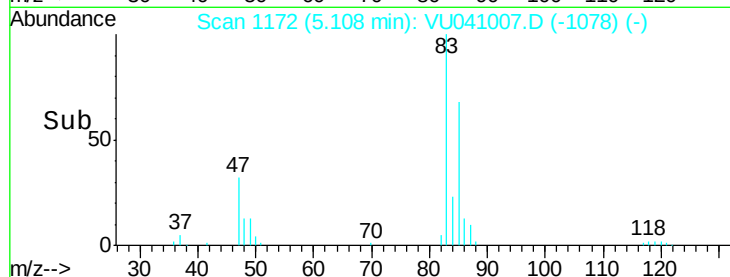
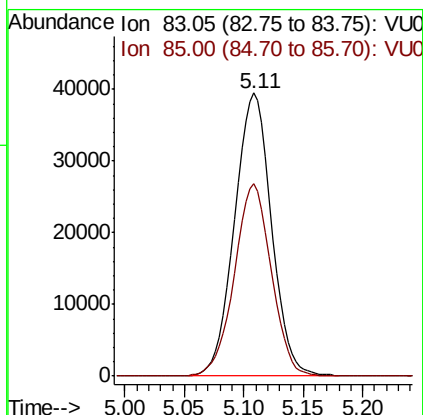
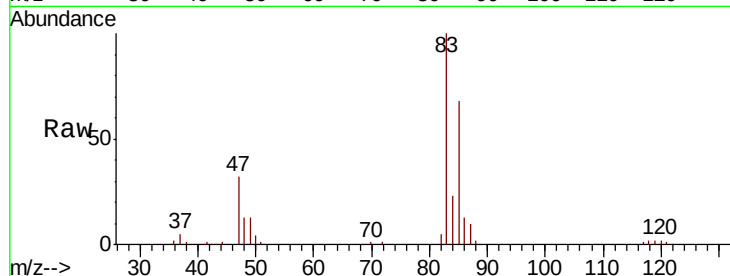




#25
Chloroform
Concen: 4.897 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

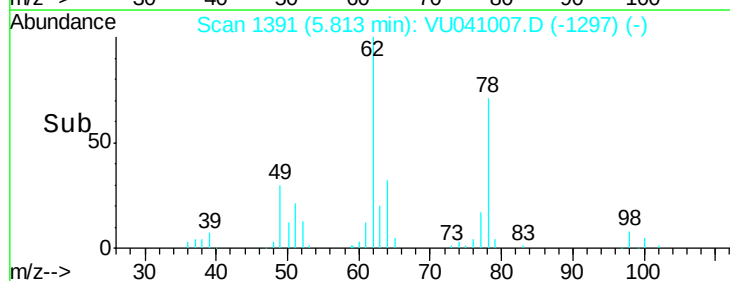
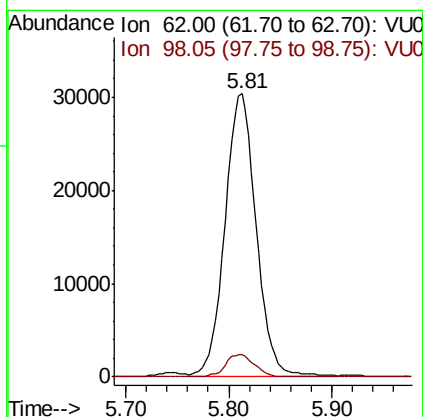
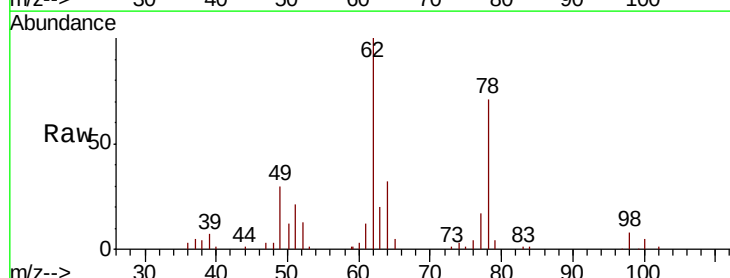
Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

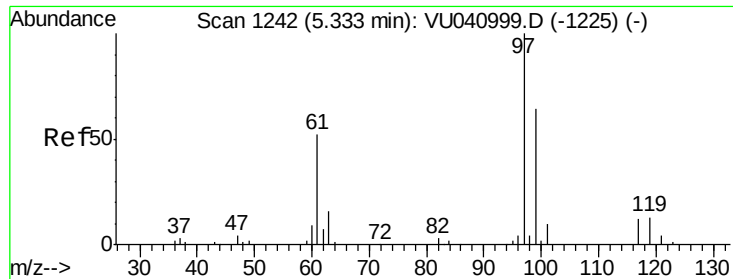
Tot Ion: 83 Resp: 85075
Ion Ratio Lower Upper
83 100
85 68.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.978 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Tgt Ion: 62 Resp: 63289
Ion Ratio Lower Upper
62 100
98 7.8 6.1 9.1

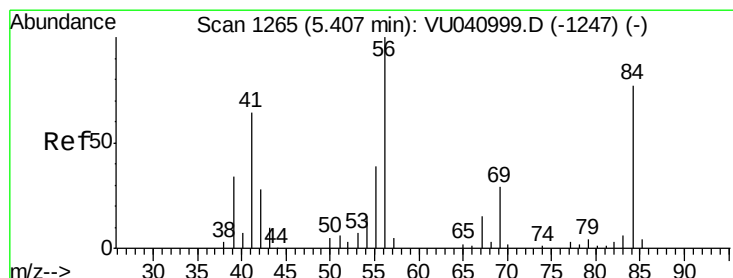
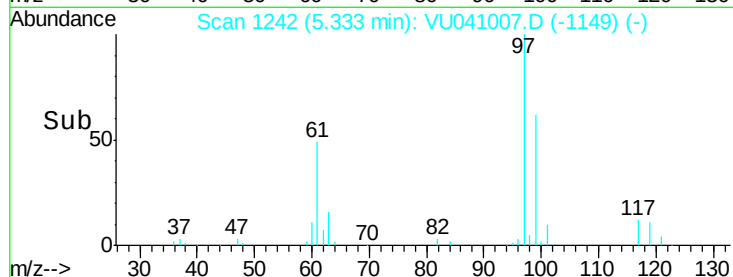
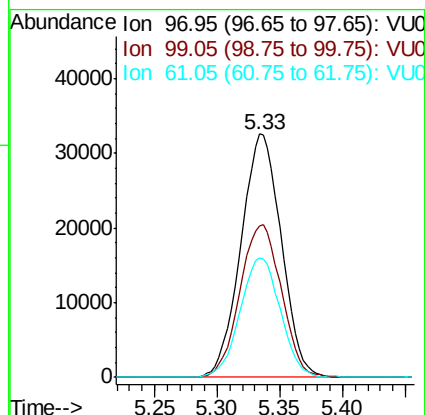
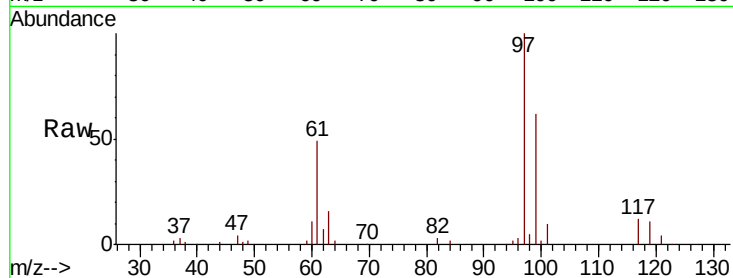




#29
 1,1,1-Trichloroethane
 Concen: 4.923 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

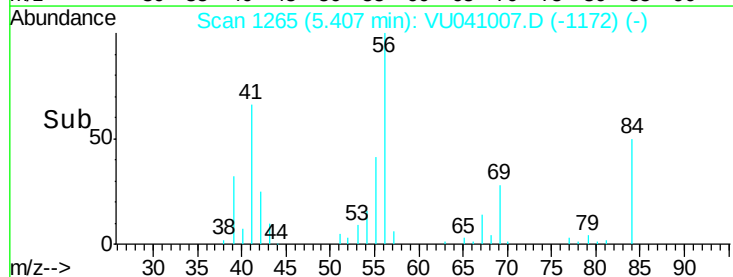
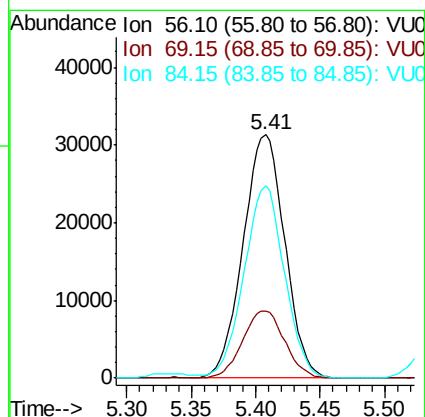
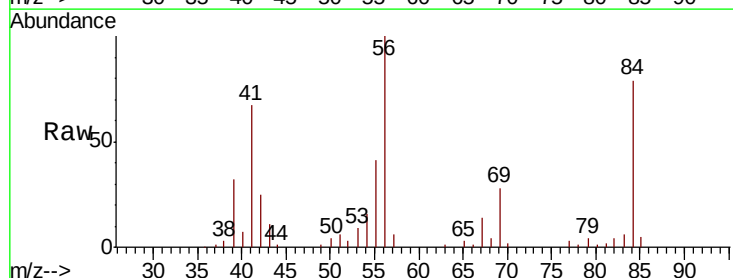
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

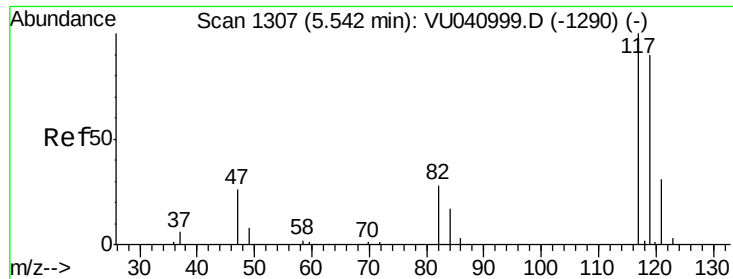
Tot Ion: 97 Resp: 73079
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.2 75.2
 61 48.8 39.6 59.4



#30
 Cyclohexane
 Concen: 5.136 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion: 56 Resp: 70666
 Ion Ratio Lower Upper
 56 100
 69 27.8 23.2 34.8
 84 77.1 62.9 94.3





#31

Carbon tetrachloride

Concen: 4.930 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

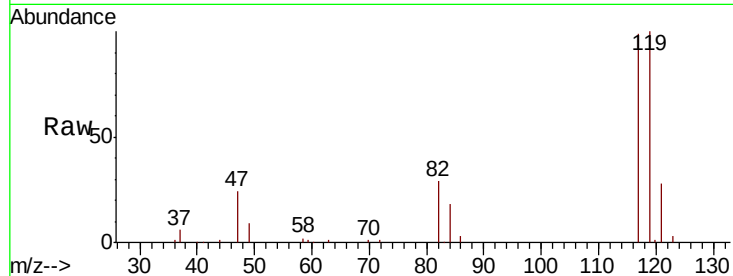
VSTD005109

Tot Ion:117 Resp: 62451

Ion Ratio Lower Upper

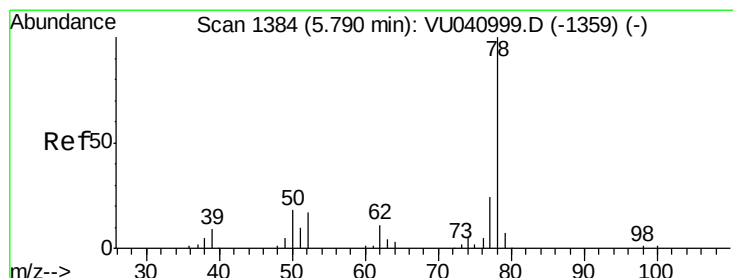
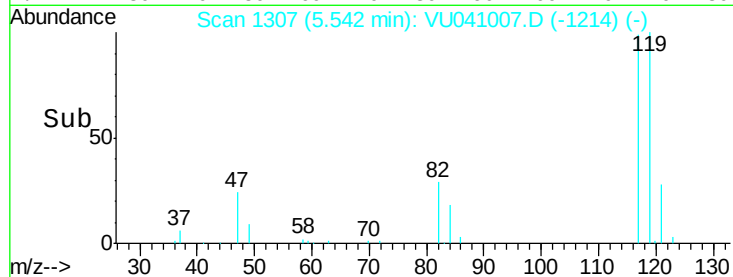
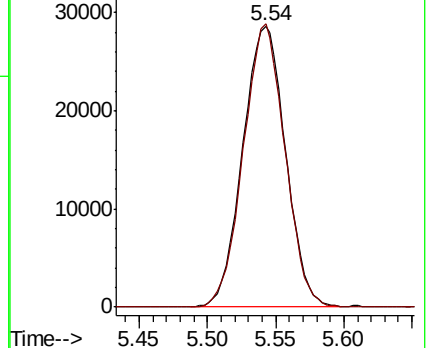
117 100

119 97.6 74.4 111.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.117 ug/L

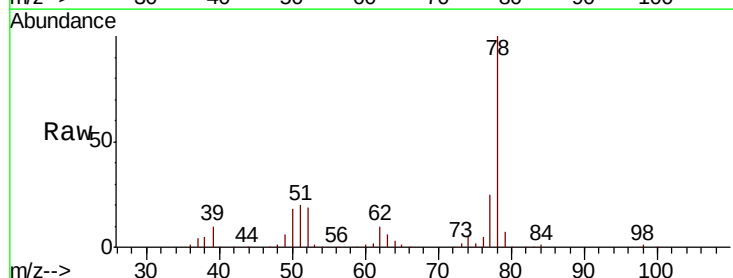
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

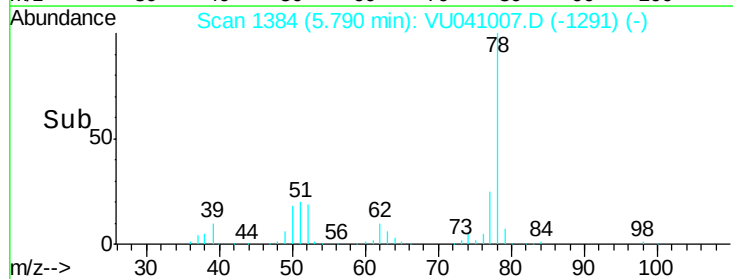
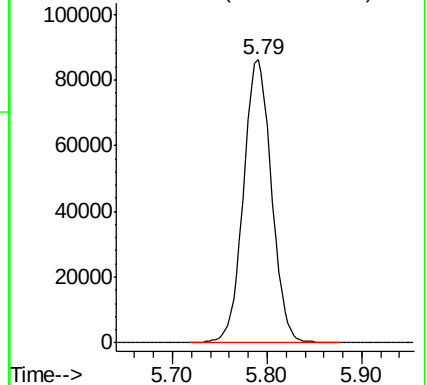
Lab File: VU041007.D

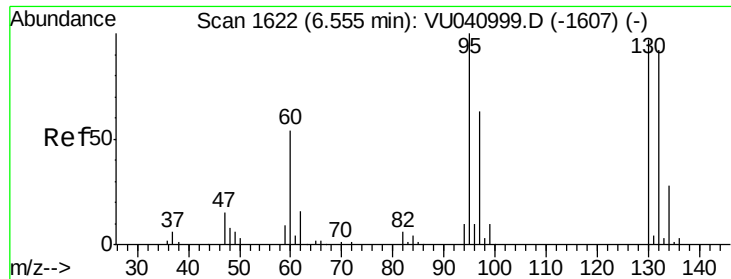
Acq: 28 Oct 2020 21:11

Tgt Ion: 78 Resp: 177900



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.128 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

Tot Ion: 95 Resp: 47466

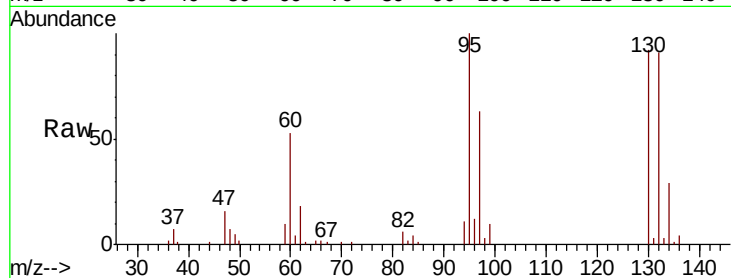
Ion Ratio Lower Upper

95 100

97 63.4 43.8 81.4

132 90.8 64.5 119.7

130 91.5 67.6 125.6

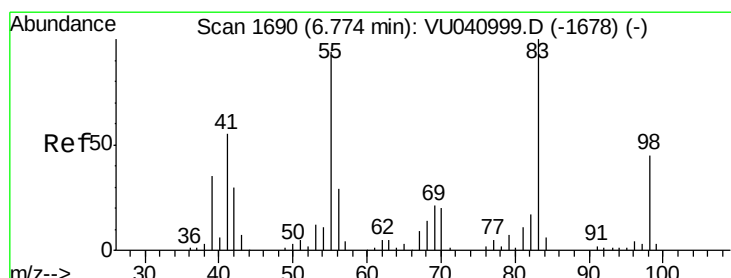
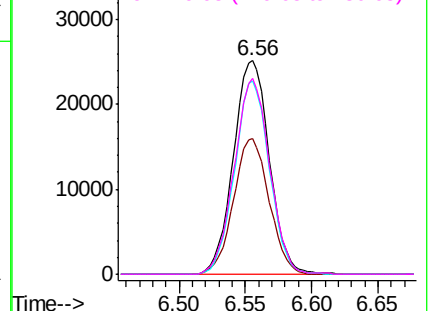
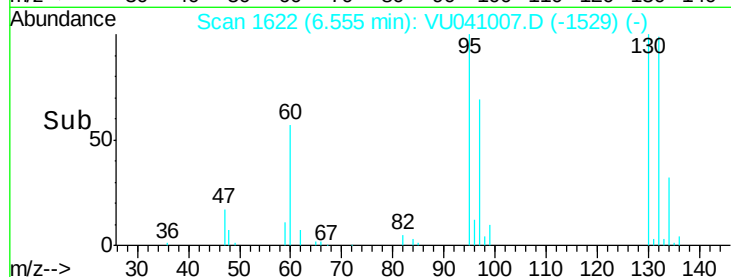


Abundance Ion 95.00 (94.70 to 95.70): VU041007.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU041007.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU041007.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU041007.D (-1529) (-)



#35

Methylcyclohexane

Concen: 5.145 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

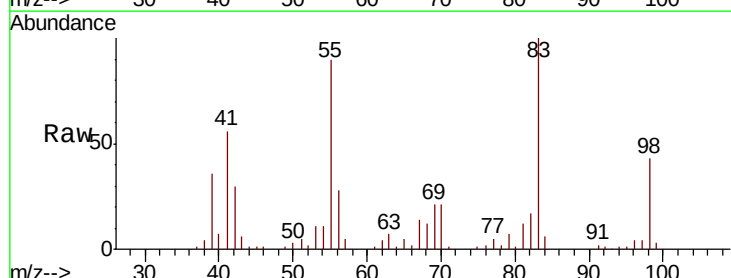
Tgt Ion: 83 Resp: 66310

Ion Ratio Lower Upper

83 100

55 89.4 72.7 109.1

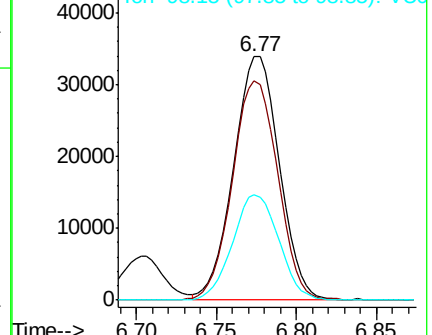
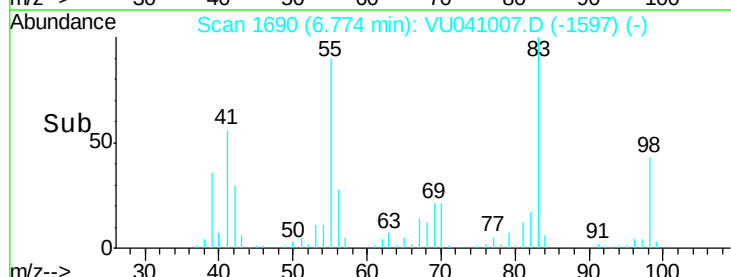
98 43.4 35.7 53.5

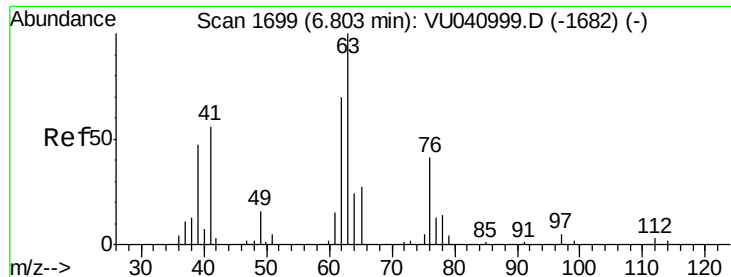


Abundance Ion 83.15 (82.85 to 83.85): VU041007.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU041007.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU041007.D (-1597) (-)

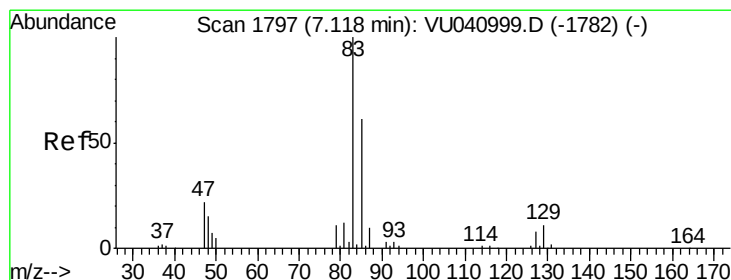
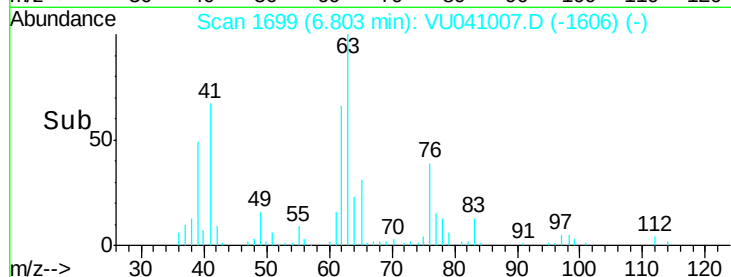
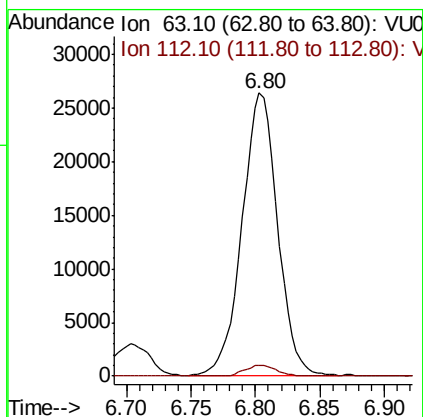
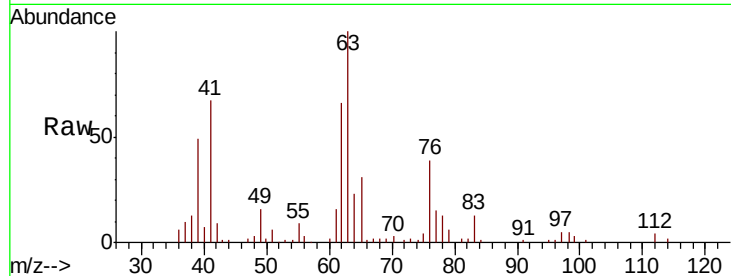




#37
 1,2-Dichloropropane
 Concen: 5.158 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

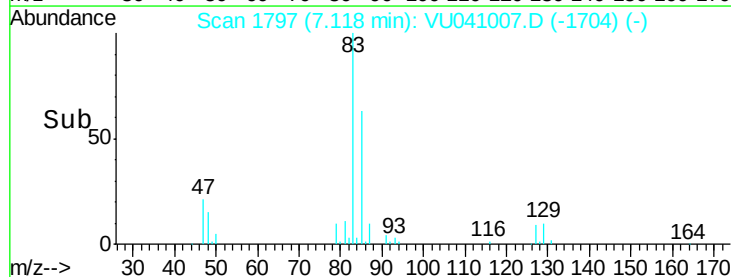
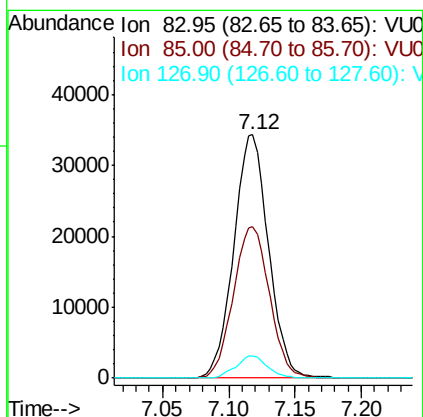
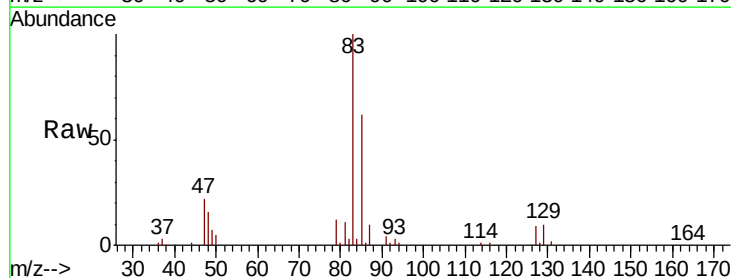
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

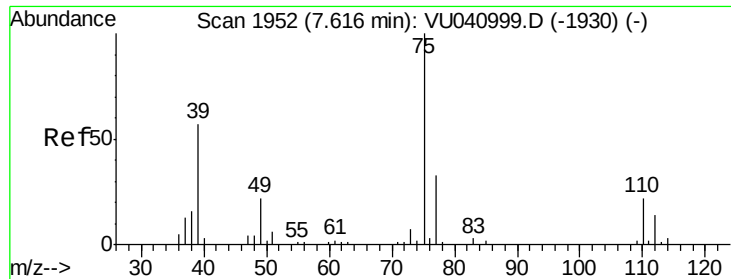
Tot Ion: 63 Resp: 50908
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.4



#38
 Bromodichloromethane
 Concen: 5.071 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion: 83 Resp: 62532
 Ion Ratio Lower Upper
 83 100
 85 62.2 42.9 79.7
 127 9.3 6.2 9.2#

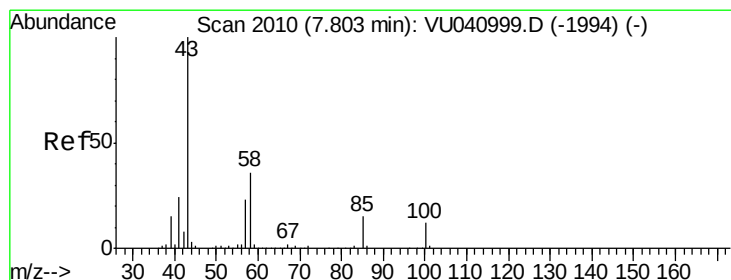
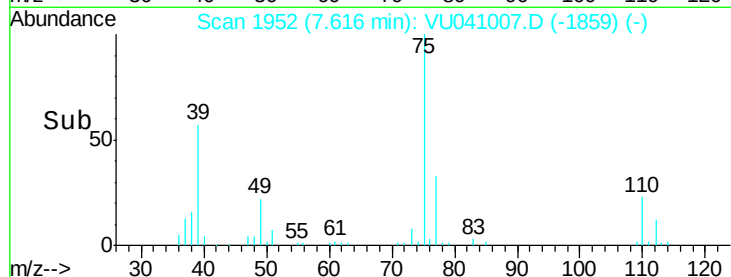
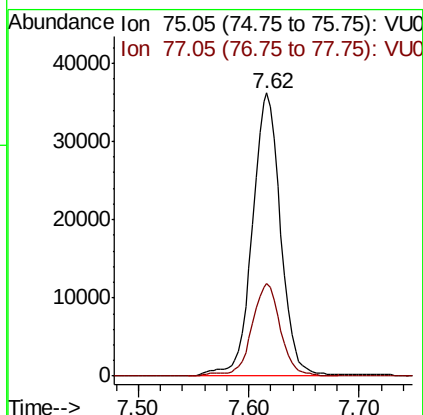
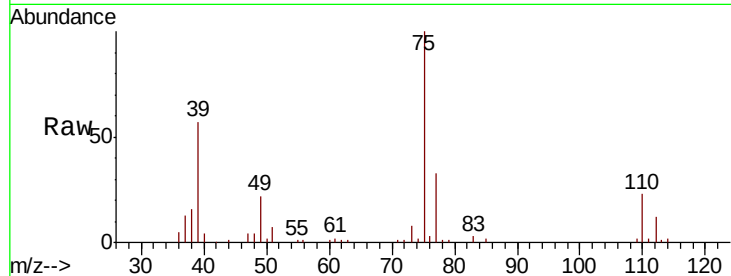




#39
 cis-1,3-Dichloropropene
 Concen: 4.926 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

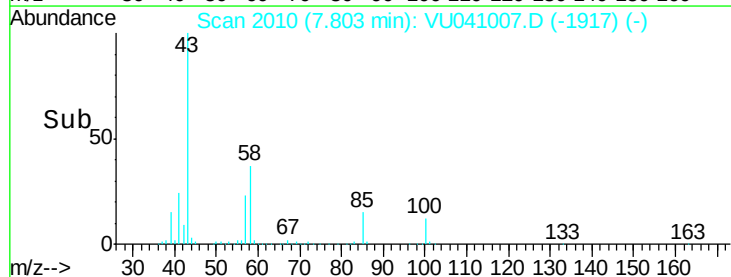
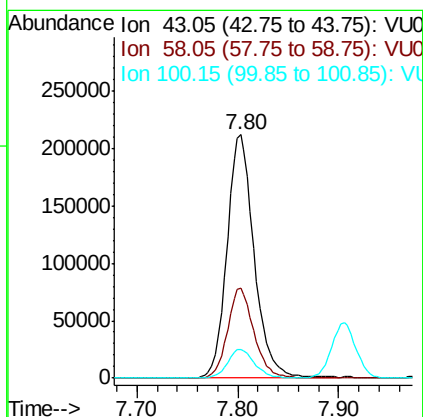
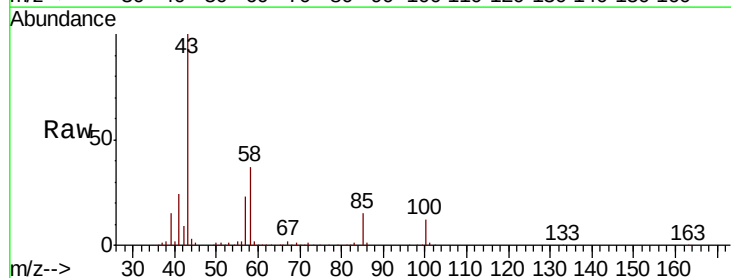
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

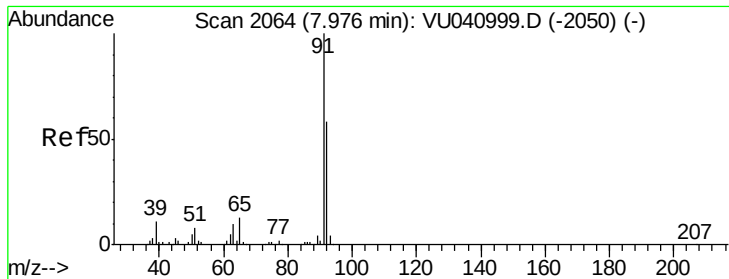
Tot Ion: 75 Resp: 64320
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 53.463 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion: 43 Resp: 398536
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.6 43.0
 100 11.7 9.6 14.4





#42

Toluene

Concen: 5.225 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

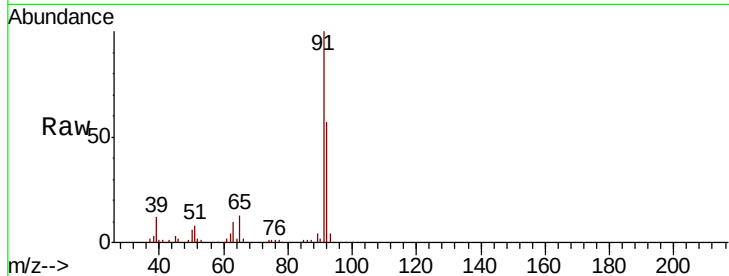
VSTD005109

Tot Ion: 91 Resp: 183698

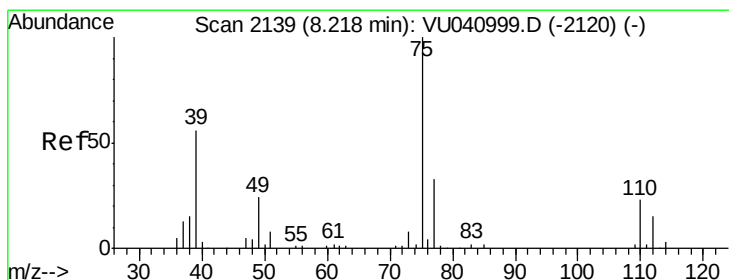
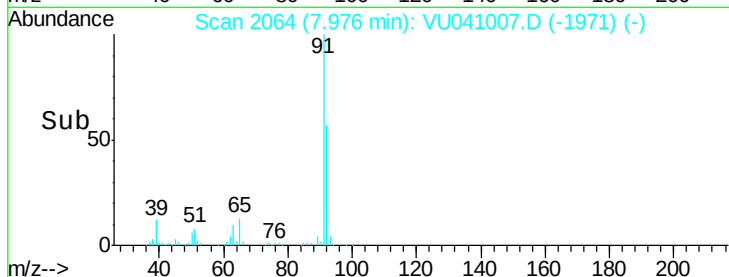
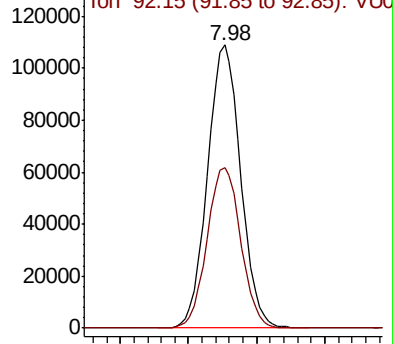
Ion Ratio Lower Upper

91 100

92 56.7 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU041007.D (-1971) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.184 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041007.D

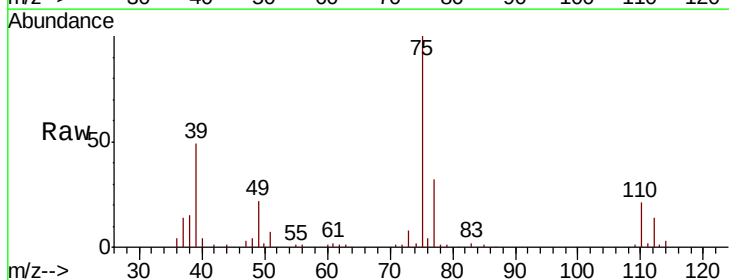
Acq: 28 Oct 2020 21:11

Tgt Ion: 75 Resp: 63065

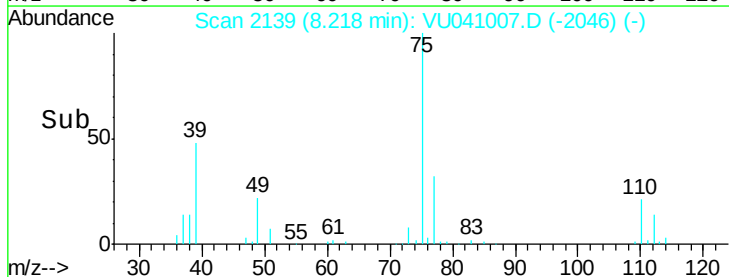
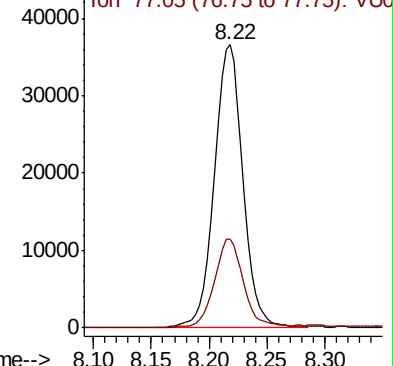
Ion Ratio Lower Upper

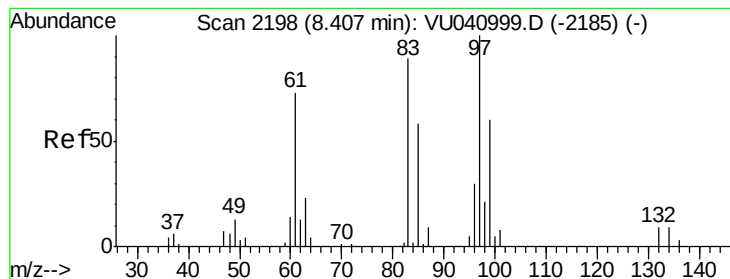
75 100

77 31.6 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU041007.D (-2046) (-)





#45

1,1,2-Trichloroethane

Concen: 5.115 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

Tot Ion: 97 Resp: 36062

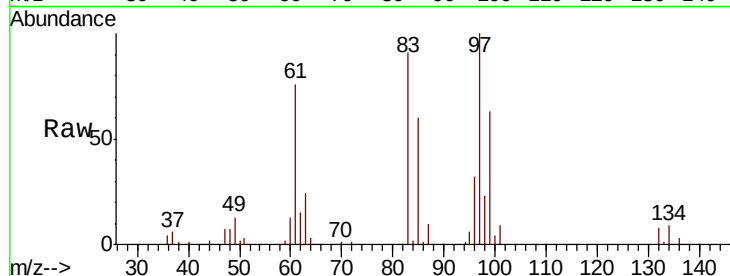
Ion Ratio Lower Upper

97 100

99 63.5 41.8 77.6

83 91.4 62.2 115.6

85 59.6 40.3 74.8

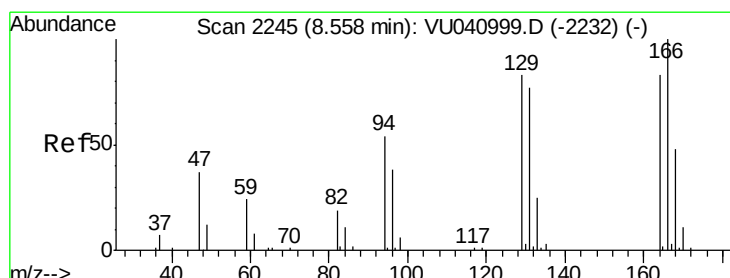
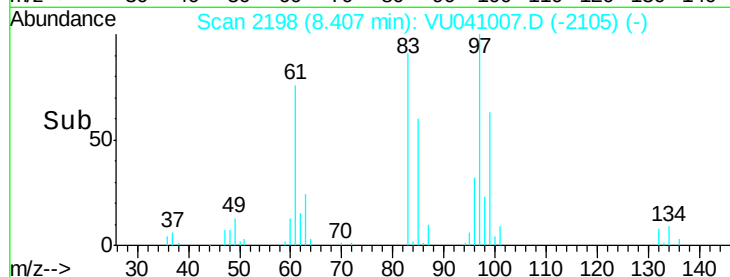
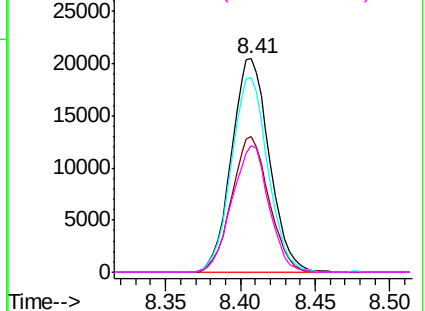


Abundance Ion 96.95 (96.65 to 97.65): VU0

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: 4.961 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Tgt Ion: 164 Resp: 31819

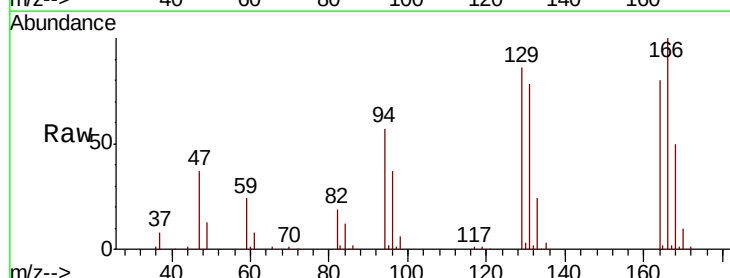
Ion Ratio Lower Upper

164 100

129 107.6 69.9 129.7

131 97.8 65.0 120.6

166 124.8 84.1 156.1

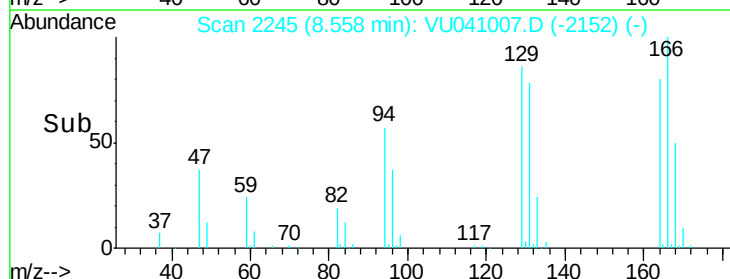
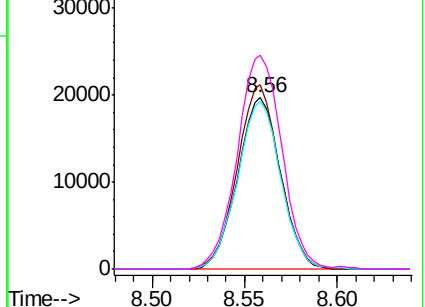


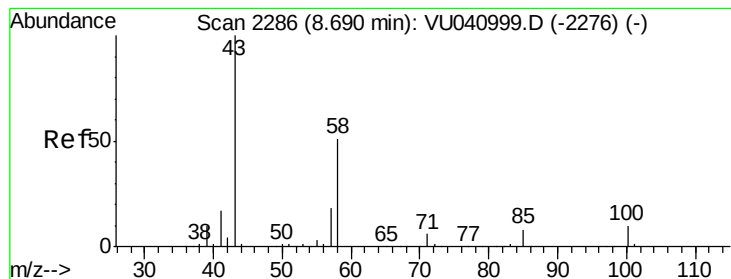
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 53.671 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

Tot Ion: 43 Resp: 300149

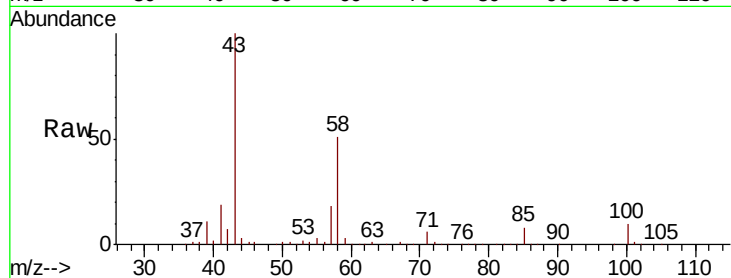
Ion Ratio Lower Upper

43 100

58 50.0 39.9 59.9

57 17.5 14.1 21.1

100 9.5 7.5 11.3

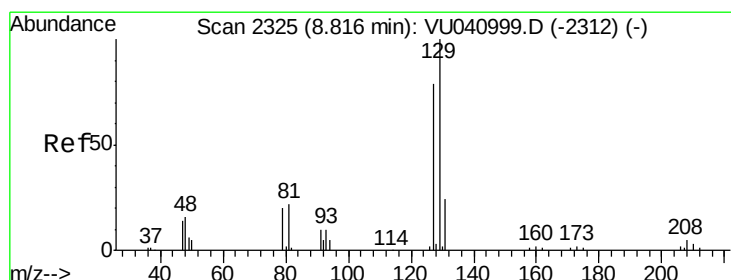
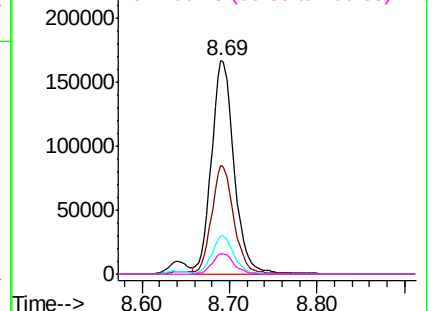
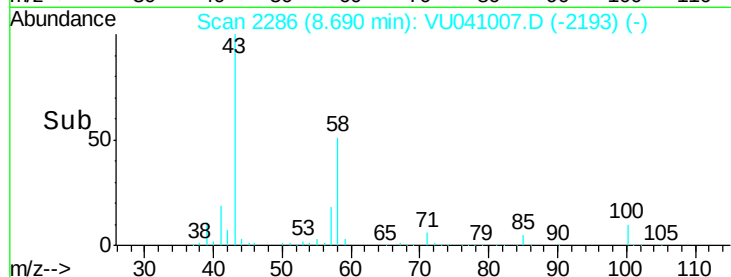


Abundance Ion 43.05 (42.75 to 43.75): VU041007.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041007.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041007.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041007.D (-2193) (-)



#49

Dibromochloromethane

Concen: 5.108 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU041007.D

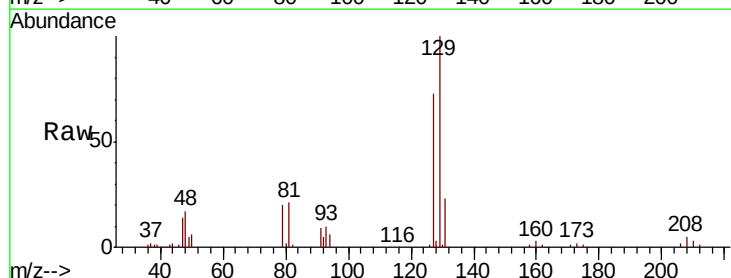
Acq: 28 Oct 2020 21:11

Tgt Ion: 129 Resp: 41526

Ion Ratio Lower Upper

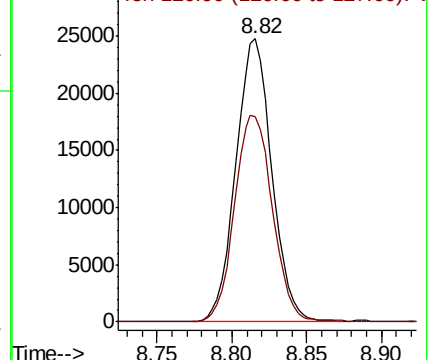
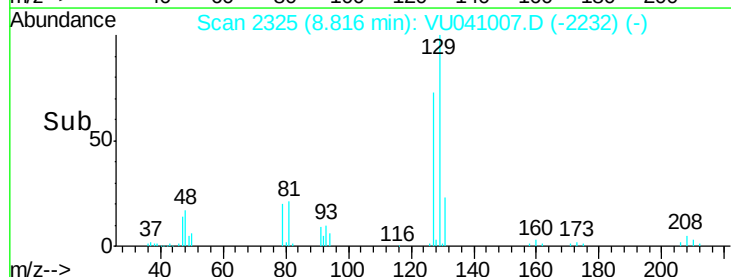
129 100

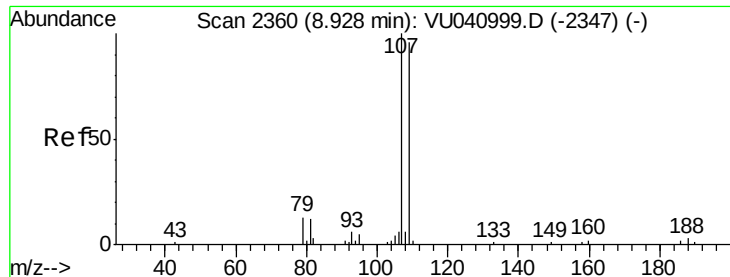
127 72.6 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU041007.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU041007.D (-2232) (-)

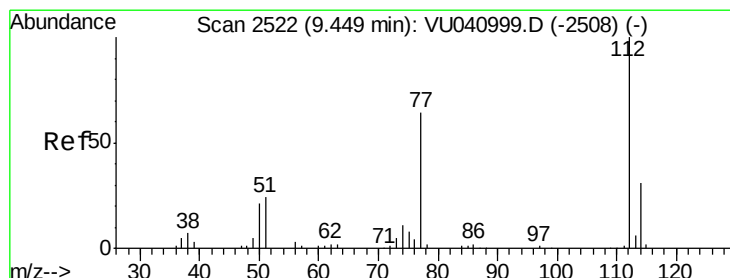
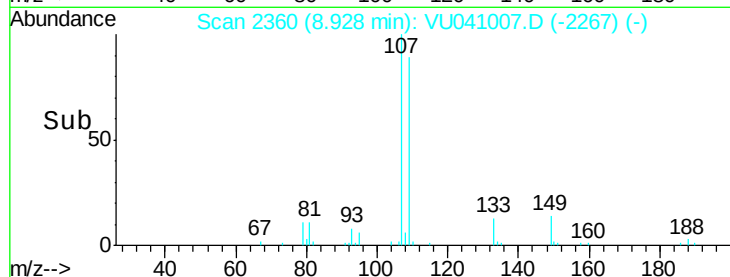
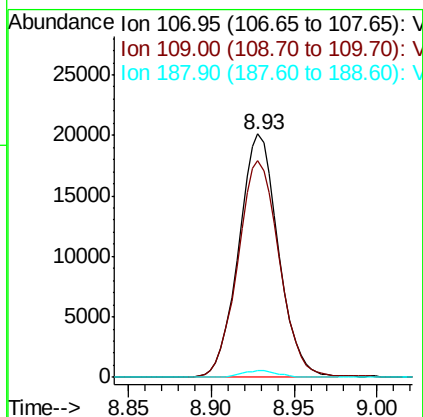
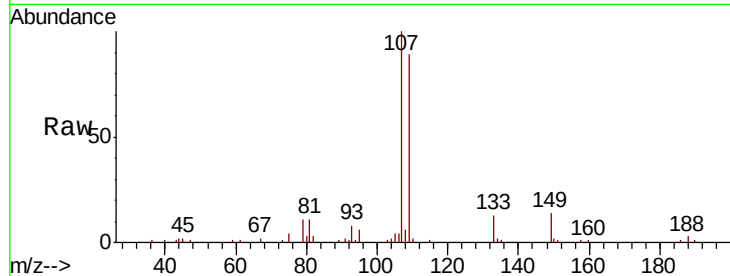




#50
 1,2-Dibromoethane
 Concen: 5.056 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

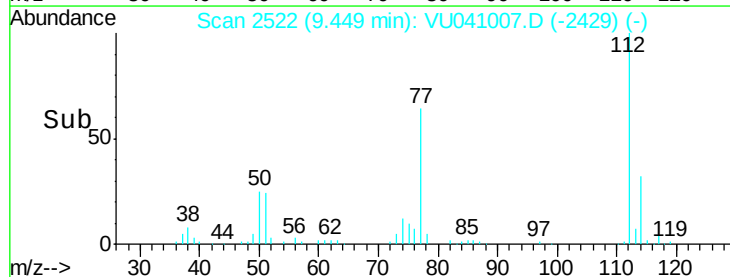
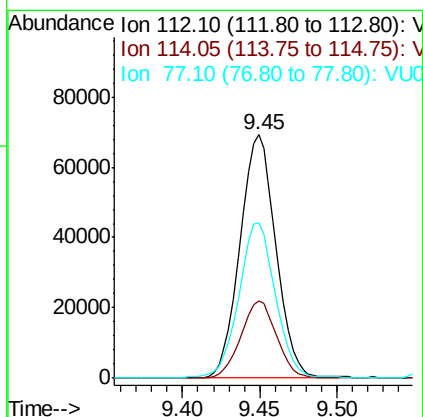
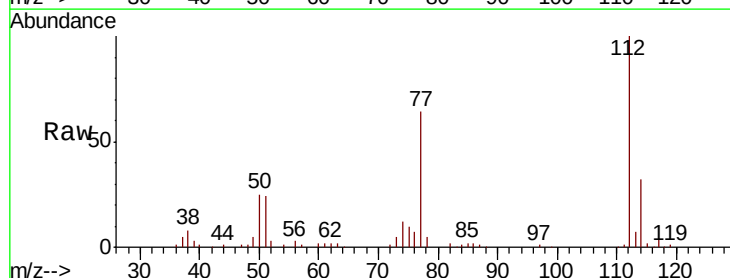
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

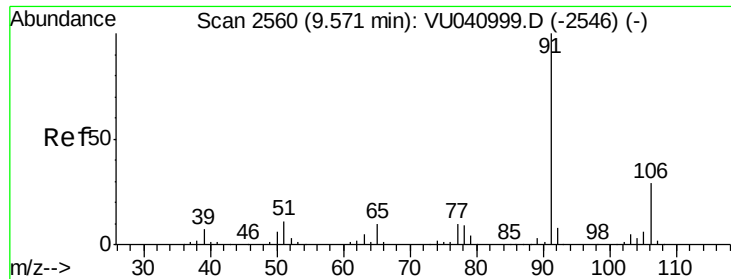
Tot Ion:107 Resp: 33376
 Ion Ratio Lower Upper
 107 100
 109 88.8 67.1 124.5
 188 2.5 2.3 3.5



#51
 Chlorobenzene
 Concen: 4.955 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion:112 Resp: 111746
 Ion Ratio Lower Upper
 112 100
 114 31.9 21.9 40.7
 77 63.9 51.4 77.2





#52

Ethylbenzene

Concen: 5.278 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

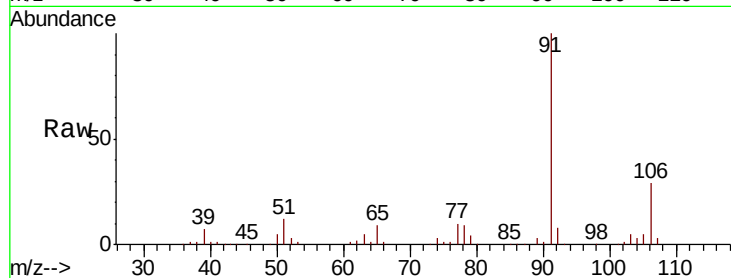
VSTD005109

Tot Ion: 91 Resp: 192581

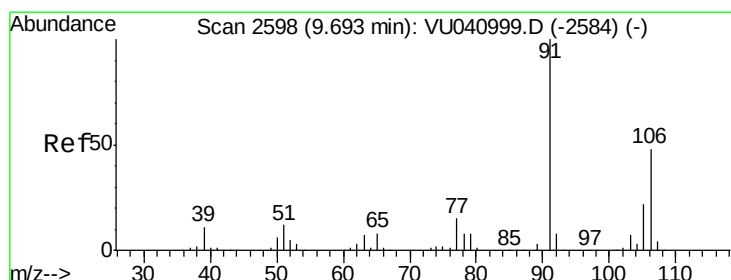
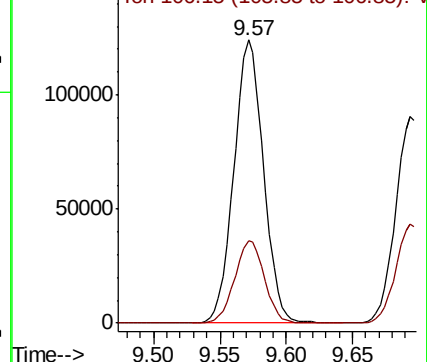
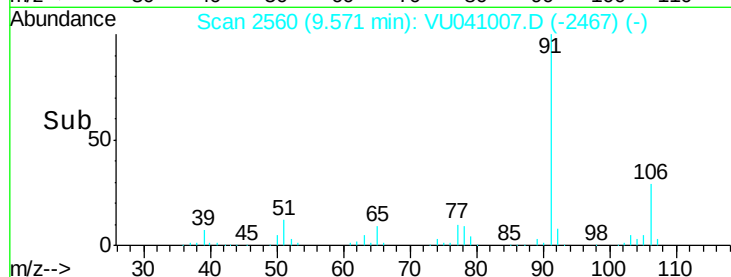
Ion Ratio Lower Upper

91 100

106 28.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU041007.D (-2467) (-)



#53

m,p-Xylene

Concen: 5.410 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041007.D

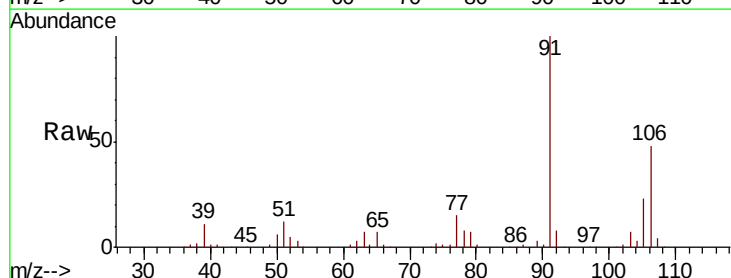
Acq: 28 Oct 2020 21:11

Tgt Ion: 106 Resp: 71411

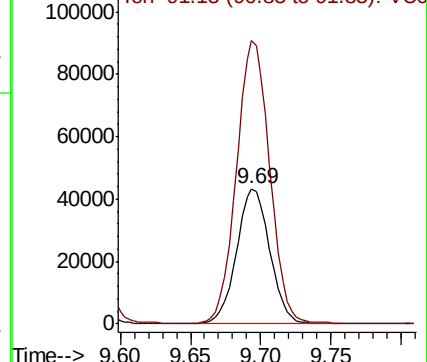
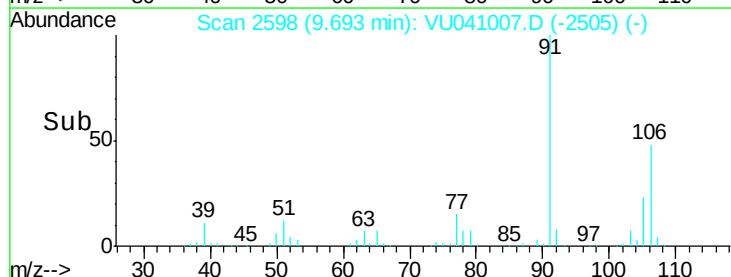
Ion Ratio Lower Upper

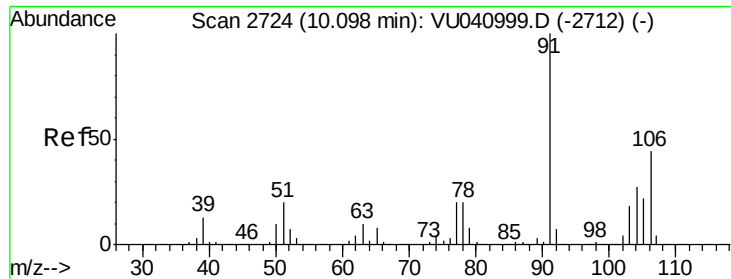
106 100

91 209.8 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU041007.D (-2505) (-)

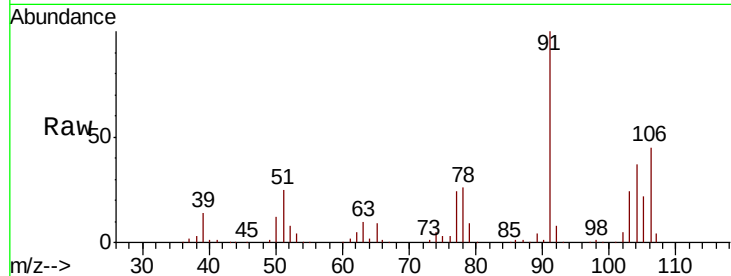




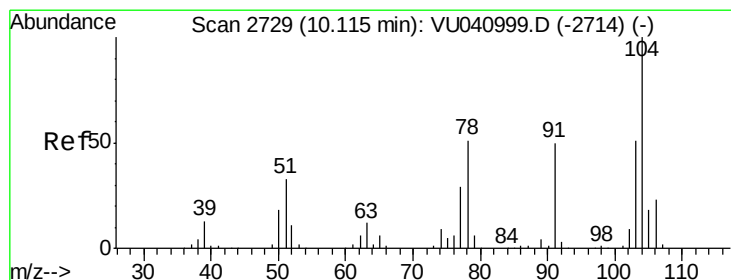
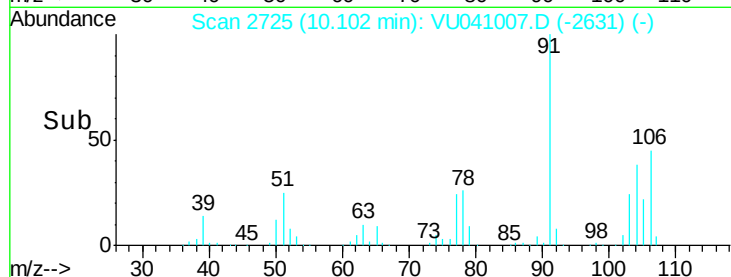
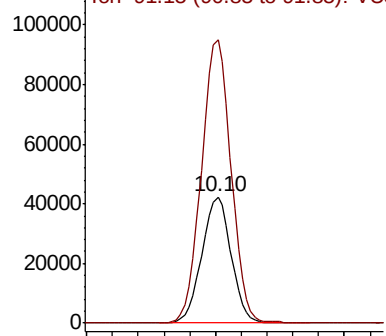
#54
o-Xylene
Concen: 5.300 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tot Ion:106 Resp: 66905
Ion Ratio Lower Upper
106 100
91 224.0 158.3 294.1

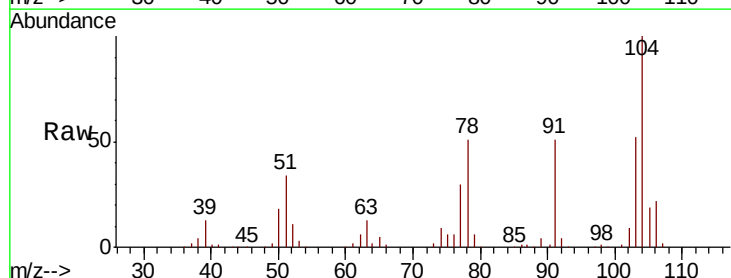


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

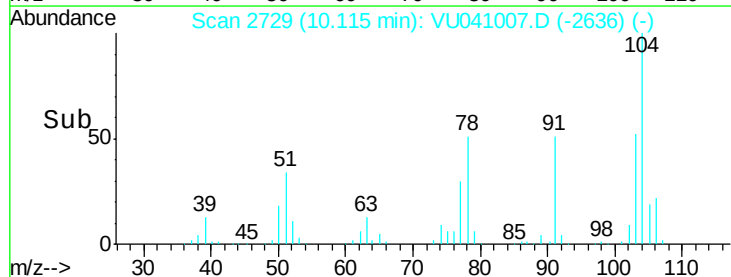
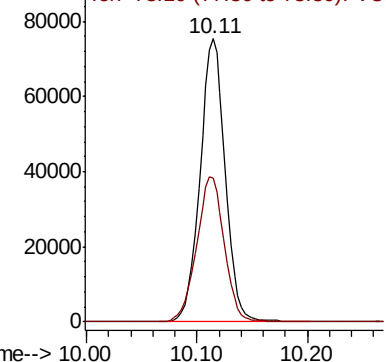


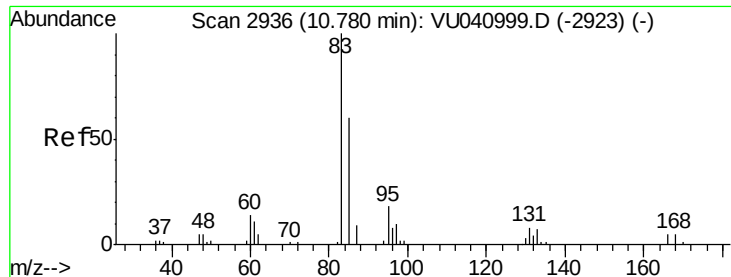
#55
Styrene
Concen: 5.430 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Tgt Ion:104 Resp: 119051
Ion Ratio Lower Upper
104 100
78 50.7 35.6 66.2



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

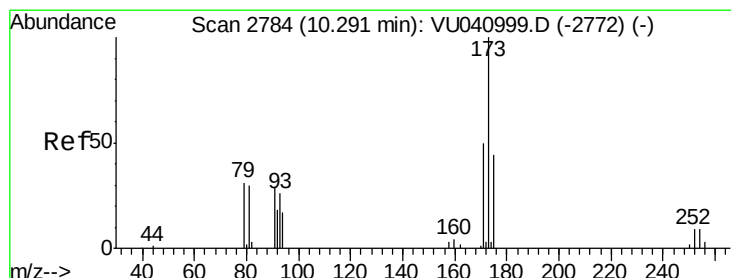
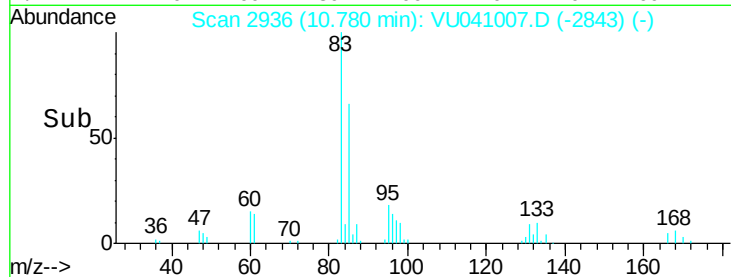
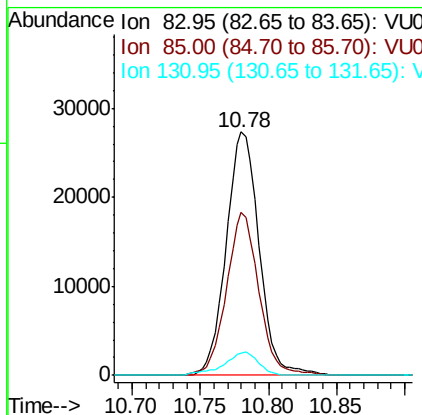
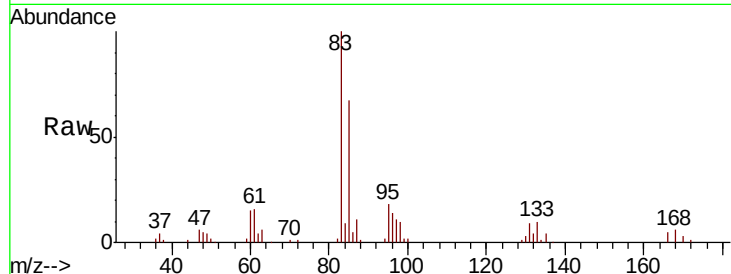




#57
 1,1,2,2-Tetrachloroethane
 Concen: 5.040 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

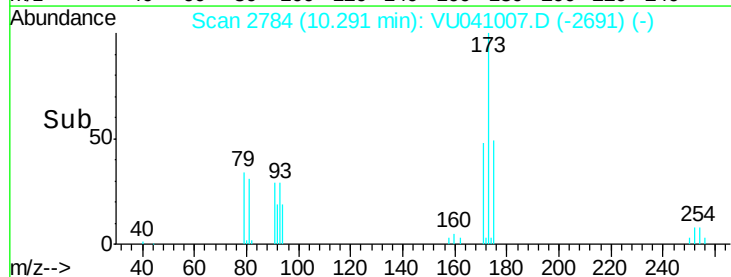
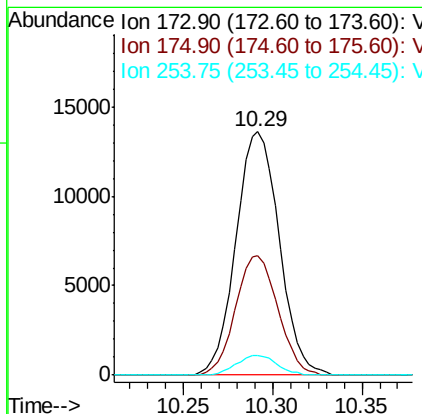
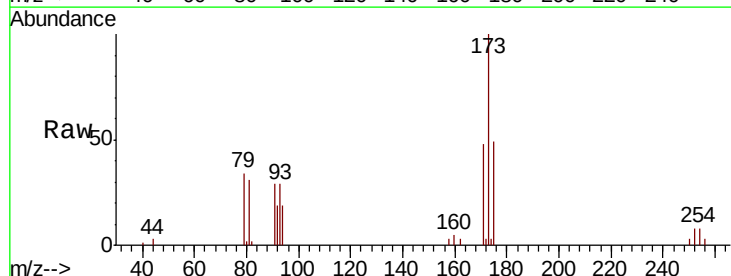
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

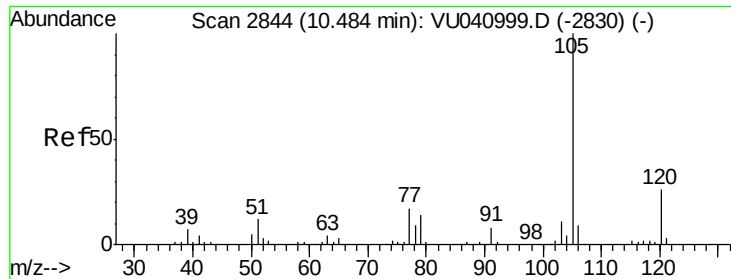
Tot Ion: 83 Resp: 45841
 Ion Ratio Lower Upper
 83 100
 85 66.7 42.1 78.3
 131 9.2 6.7 10.1



#59
 Bromoform
 Concen: 4.892 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion: 173 Resp: 22957
 Ion Ratio Lower Upper
 173 100
 175 47.9 36.7 55.1
 254 7.5 6.5 9.7





#60

Isopropylbenzene

Concen: 5.167 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

Instrument :

MSVOA_U

ClientSampleId :

VSTD005109

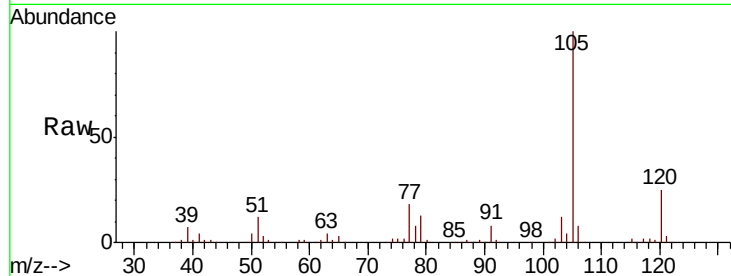
Tot Ion:105 Resp: 180484

Ion Ratio Lower Upper

105 100

120 26.0 20.2 30.4

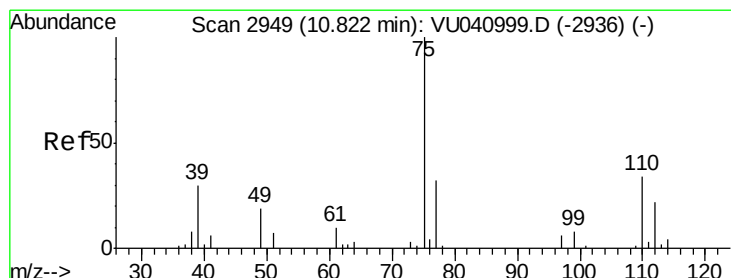
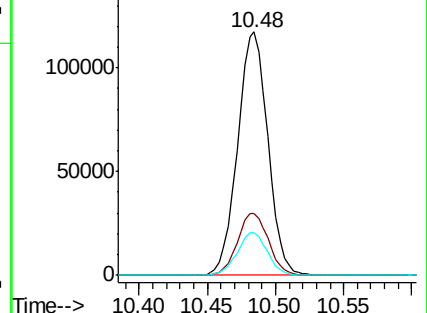
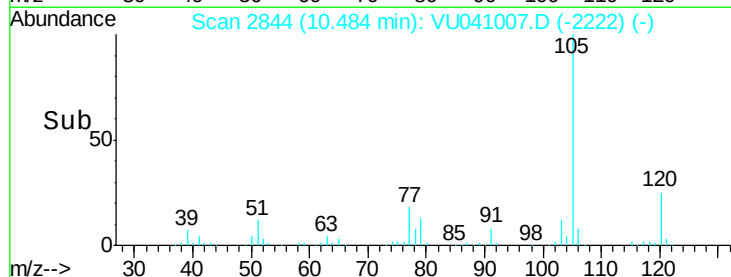
77 17.7 14.4 21.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 4.887 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041007.D

Acq: 28 Oct 2020 21:11

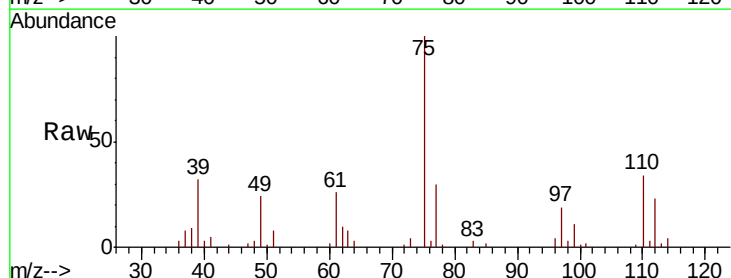
Tgt Ion: 75 Resp: 35473

Ion Ratio Lower Upper

75 100

110 35.5 27.5 41.3

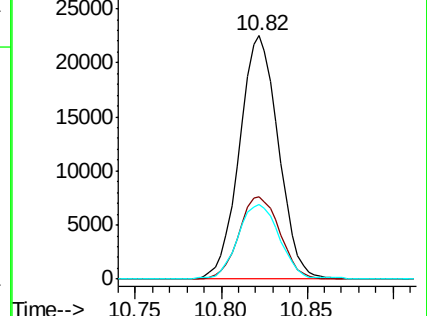
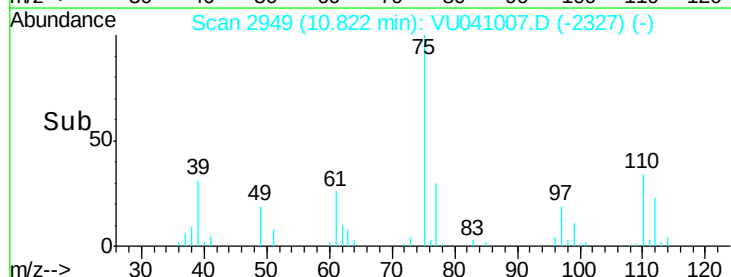
77 32.8 24.9 37.3

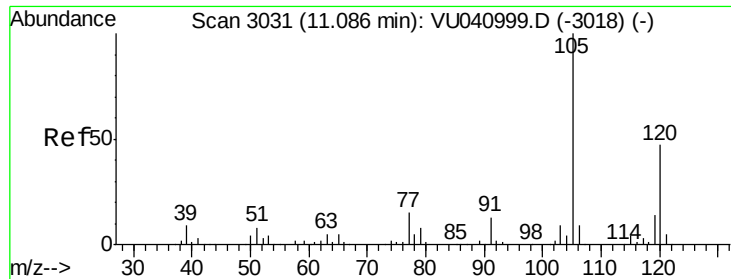


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

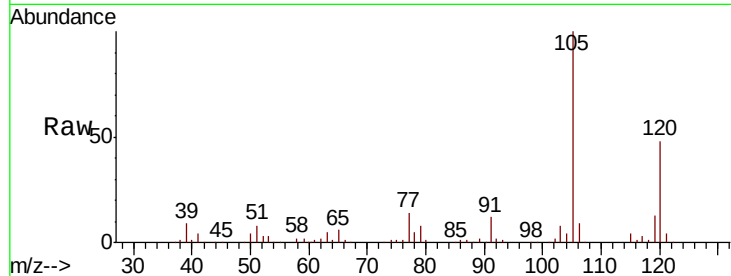




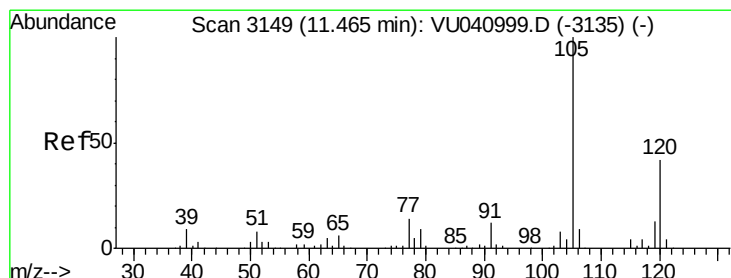
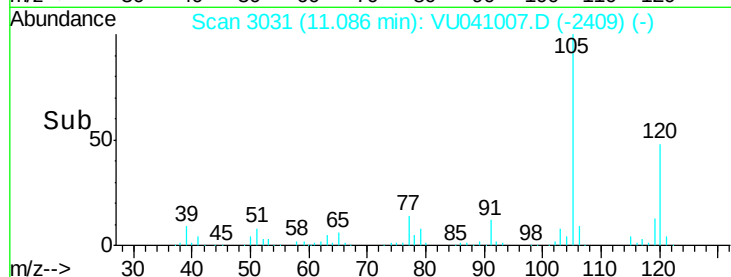
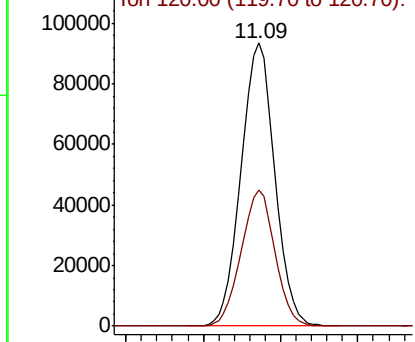
#62
 1,3,5-Trimethylbenzene
 Concen: 5.069 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Tot Ion:105 Resp: 142086
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.0 57.0

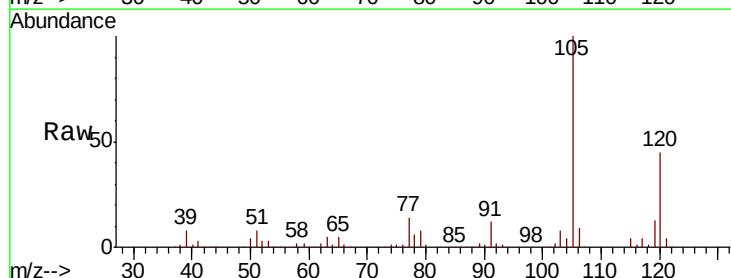


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

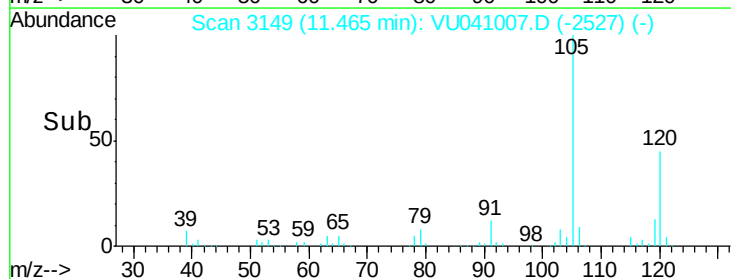
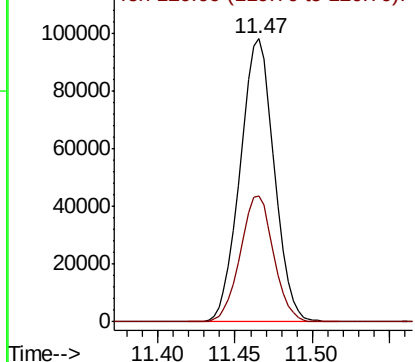


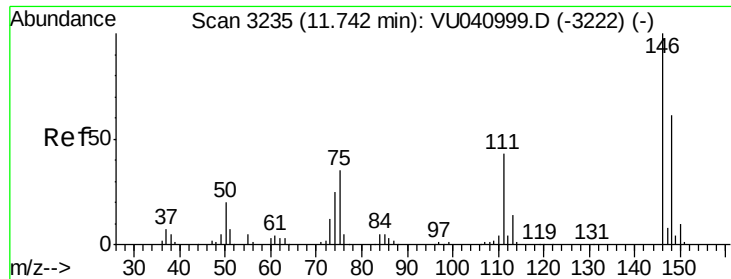
#63
 1,2,4-Trimethylbenzene
 Concen: 5.293 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion:105 Resp: 150317
 Ion Ratio Lower Upper
 105 100
 120 43.4 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

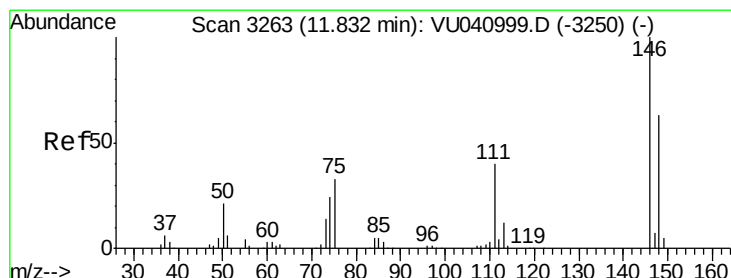
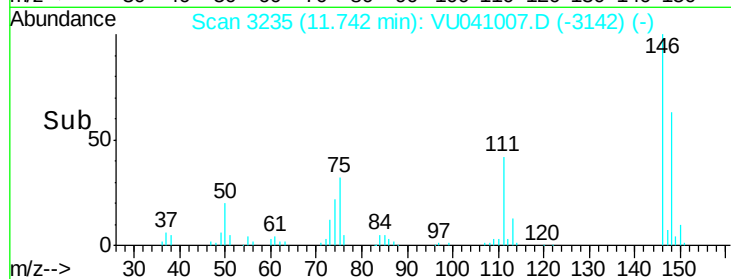
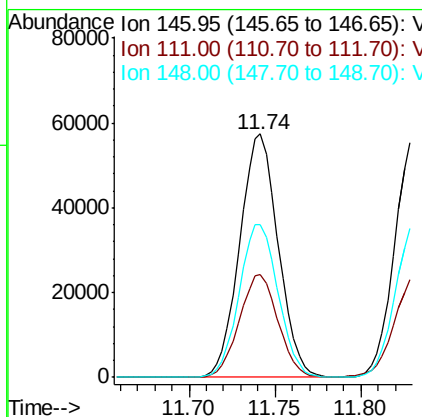
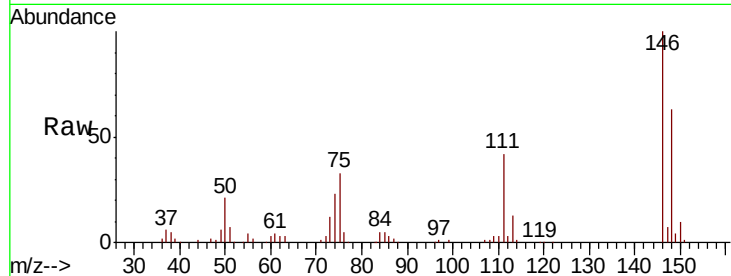




#64
 1,3-Dichlorobenzene
 Concen: 5.119 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

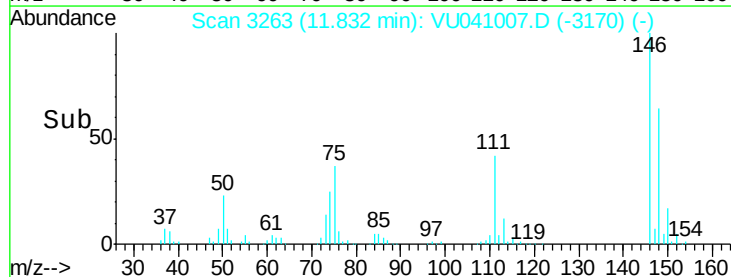
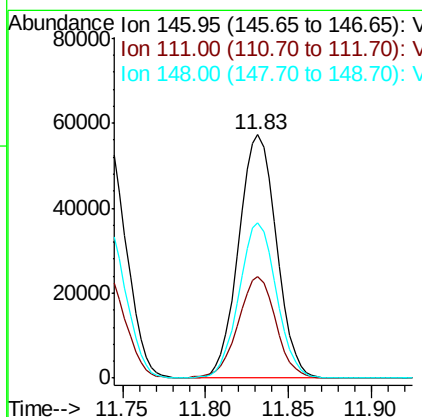
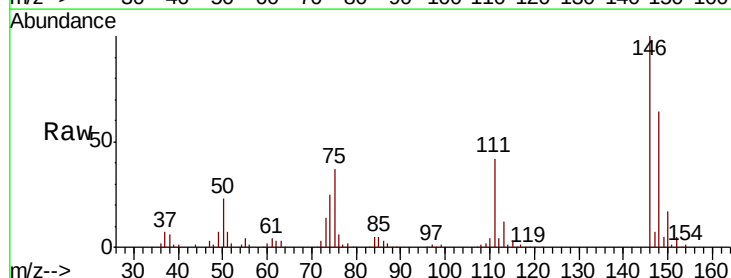
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

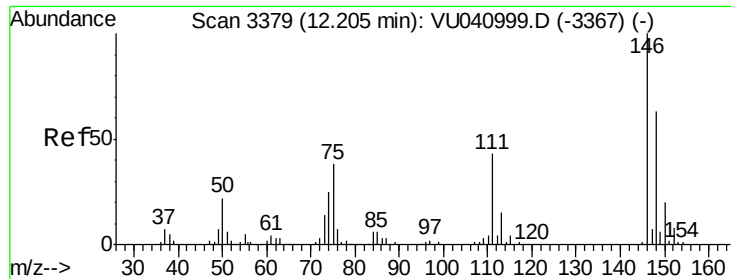
Tot Ion:146 Resp: 89178
 Ion Ratio Lower Upper
 146 100
 111 42.4 30.2 56.0
 148 62.5 42.9 79.7



#65
 1,4-Dichlorobenzene
 Concen: 5.106 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion:146 Resp: 90879
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.3 52.7
 148 64.0 44.1 81.9

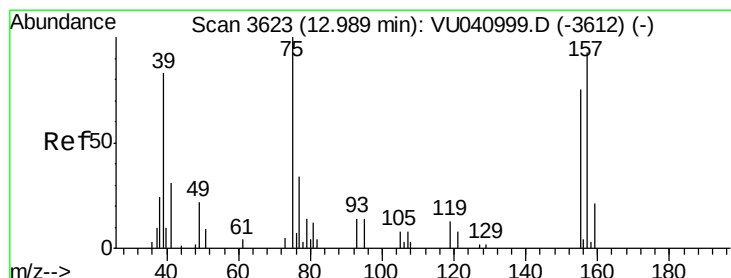
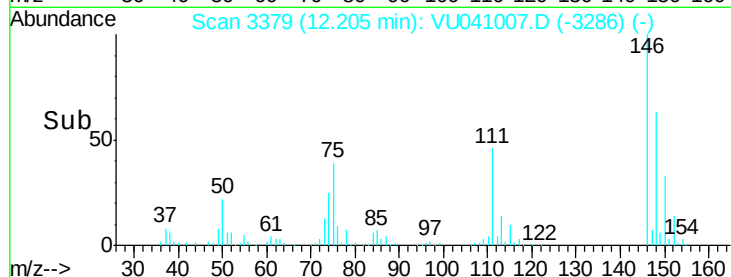
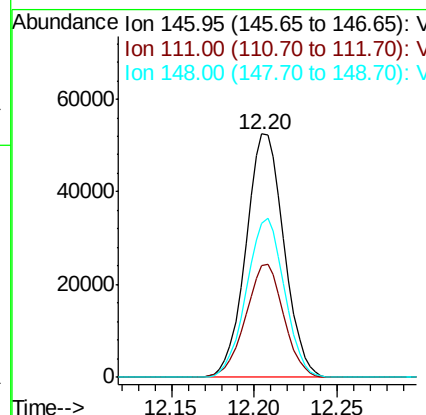
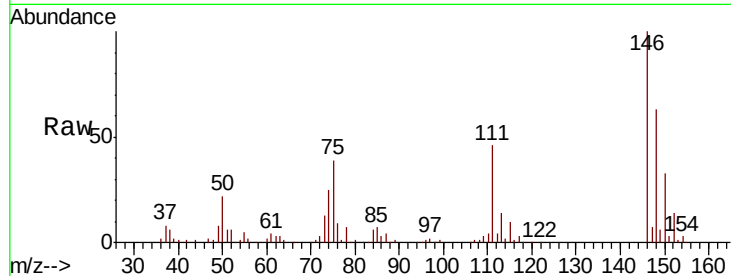




#67
 1,2-Dichlorobenzene
 Concen: 4.947 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

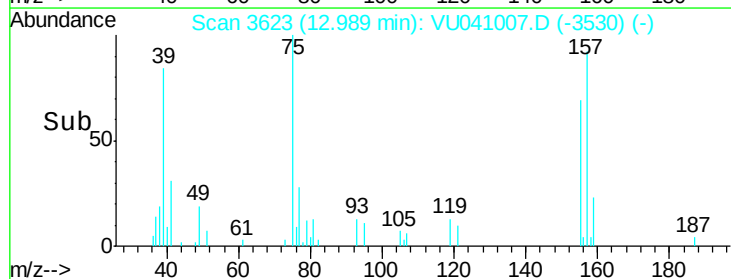
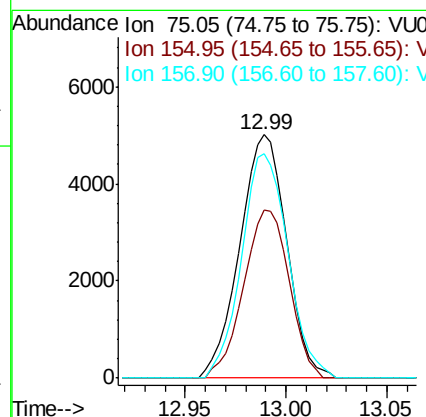
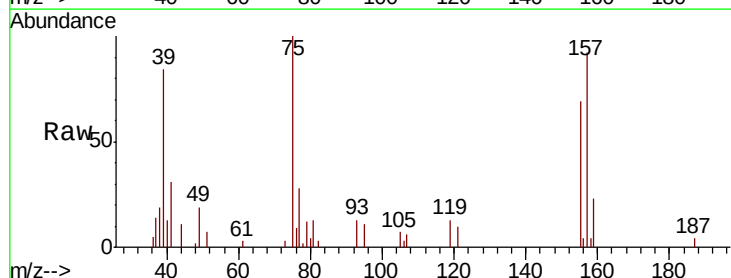
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

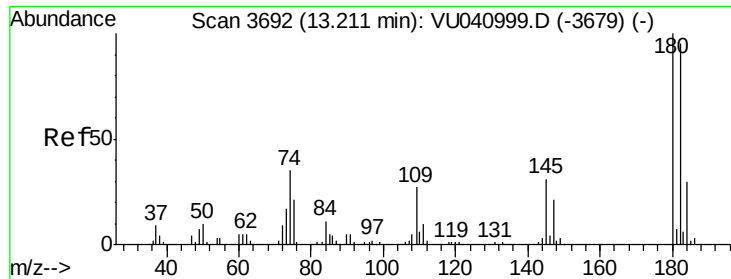
Tot Ion:146 Resp: 83580
 Ion Ratio Lower Upper
 146 100
 111 45.8 34.7 52.1
 148 63.1 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.882 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion: 75 Resp: 8167
 Ion Ratio Lower Upper
 75 100
 155 68.9 60.2 90.2
 157 92.4 74.4 111.6

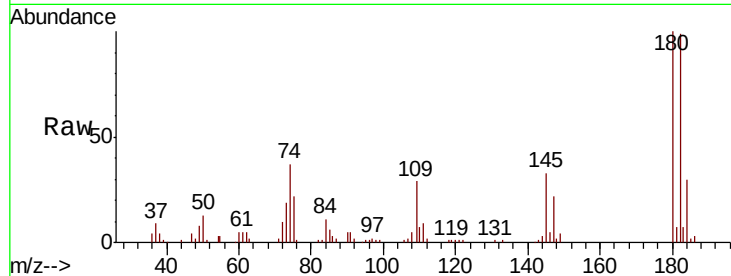




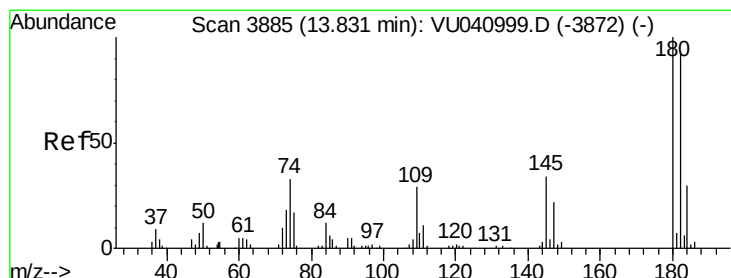
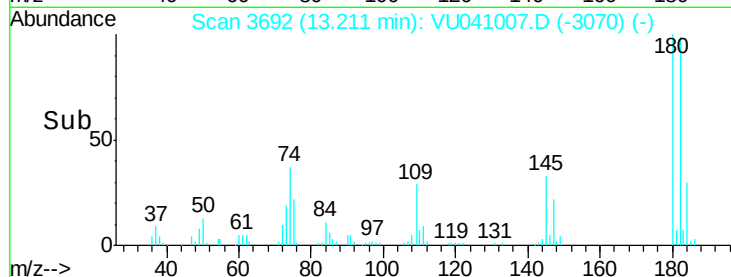
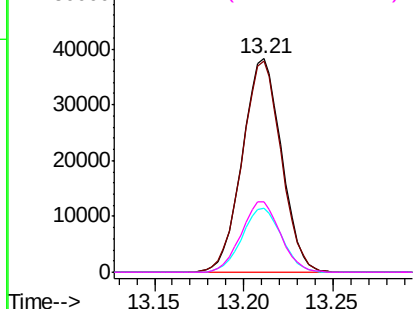
#69
 1,3,5-Trichlorobenzene
 Concen: 4.917 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005109

Tot Ion:180 Resp: 58808
 Ion Ratio Lower Upper
 180 100
 182 98.6 76.9 115.3
 184 30.3 23.8 35.8
 145 32.8 25.2 37.8

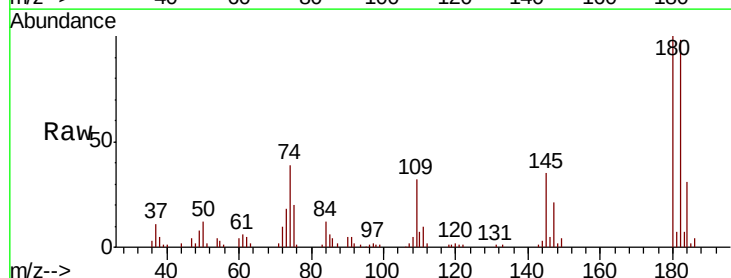


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

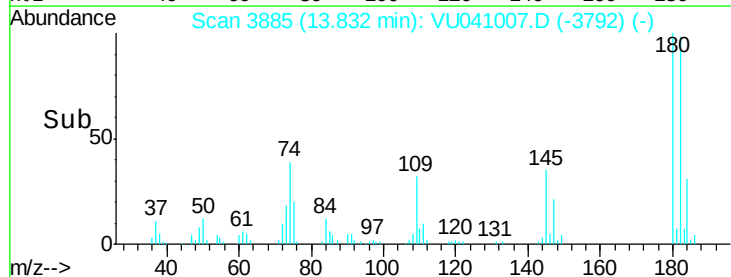
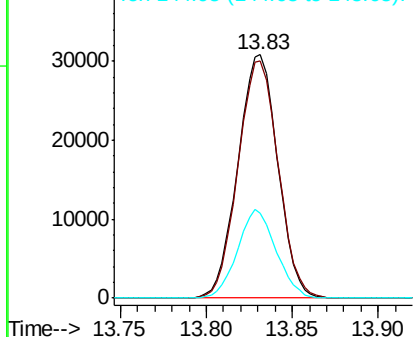


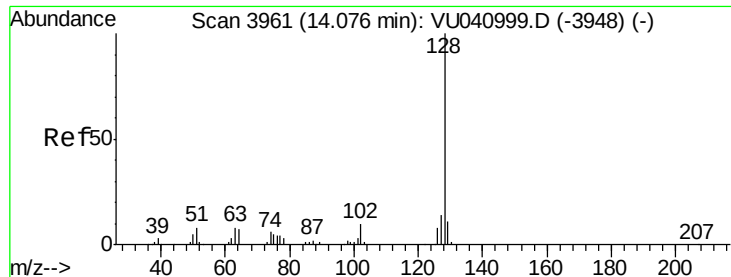
#70
 1,2,4-trichlorobenzene
 Concen: 4.921 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041007.D
 Acq: 28 Oct 2020 21:11

Tgt Ion:180 Resp: 49564
 Ion Ratio Lower Upper
 180 100
 182 98.1 74.5 111.7
 145 35.0 26.6 39.8



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

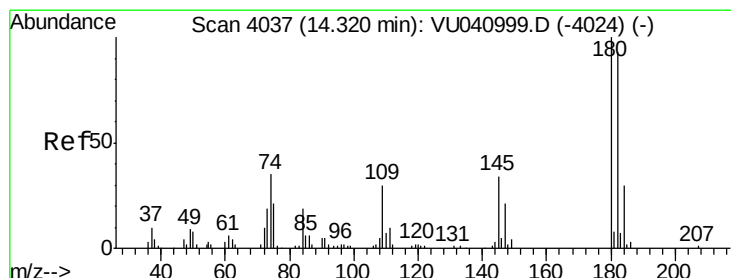
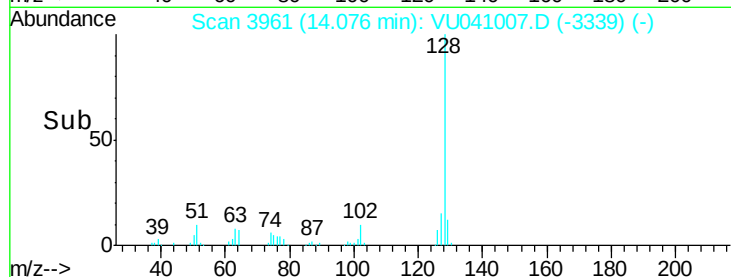
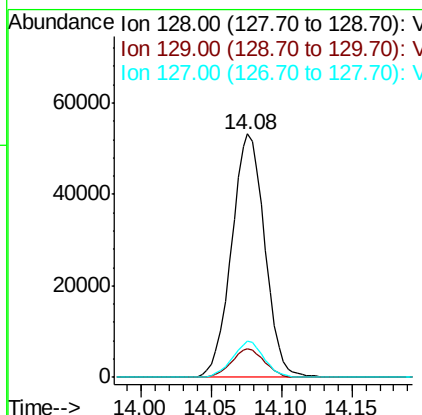
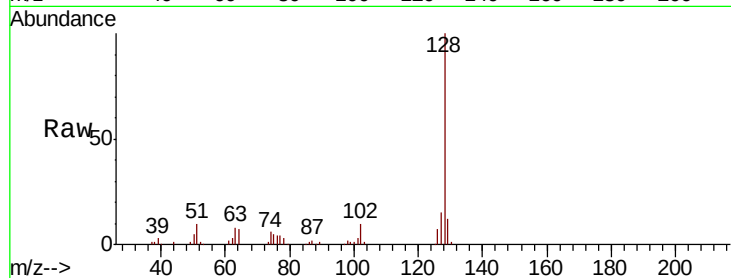




#71
Naphthalene
Concen: 4.965 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Instrument :
MSVOA_U
ClientSampleId :
VSTD005109

Tot Ion:128 Resp: 87544
Ion Ratio Lower Upper
128 100
129 11.6 8.8 13.2
127 14.0 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 5.195 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041007.D
Acq: 28 Oct 2020 21:11

Tgt Ion:180 Resp: 49015
Ion Ratio Lower Upper
180 100
182 95.9 76.7 115.1
145 36.1 27.4 41.0

