

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102920\
 Data File : VU041009.D
 Acq On : 29 Oct 2020 10:19
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Quant Time: Oct 29 12:31:40 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	127049	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	127091	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	64771	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37598	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.92	69	30918	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.58	65	17861	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	4.66	46	175863	49.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.74%
24) Chloroform-d	5.08	84	79388	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.72	65	50622	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.74	84	136686	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.70	67	47135	4.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.00%
41) Toluene-d8	7.90	98	123637	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.19	79	20709	4.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.20%
46) 2-Hexanone-d5	8.64	63	126581	51.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.44%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	46076	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
66) 1,2-Dichlorobenzene-d4	12.19	152	46244	4.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	55040	5.082	ug/L	100
3) Chloromethane	1.53	50	53492	4.717	ug/L	98
5) Vinyl chloride	1.61	62	53913	4.800	ug/L	97
6) Bromomethane	1.87	94	28287	4.723	ug/L	93
8) Chloroethane	1.94	64	32122	4.470	ug/L	96
9) Trichlorofluoromethane	2.15	101	73590	4.725	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	43884	4.859	ug/L	98
12) 1,1-Dichloroethene	2.59	96	41389	4.812	ug/L	92
13) Acetone	2.68	43	120466	53.964	ug/L	74
14) Carbon disulfide	2.81	76	130578	4.769	ug/L	98
15) Methyl Acetate	2.98	43	27572	5.277	ug/L	99
16) Methylene chloride	3.06	84	47682	4.643	ug/L	99
17) Methyl tert-butyl Ether	3.38	73	110206	4.916	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	41402	4.748	ug/L	97
19) 1,1-Dichloroethane	3.89	63	84740	4.693	ug/L	100
21) 2-Butanone	4.75	43	184865	51.039	ug/L	98
22) cis-1,2-Dichloroethene	4.68	96	42872	4.603	ug/L	98

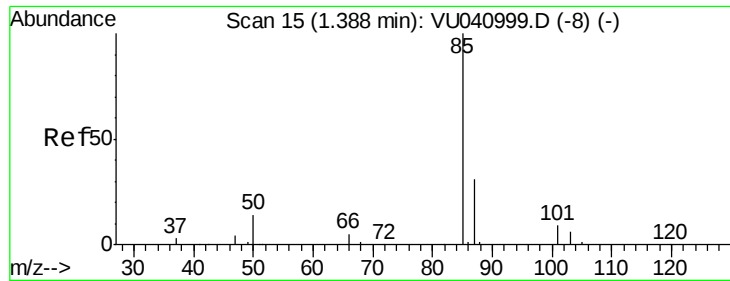
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102920\
 Data File : VU041009.D
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 Operator : SY/MD
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 VSTD00511

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 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)
23) Bromochloromethane	4.99	128	21470	4.845	ug/L	96
25) Chloroform	5.11	83	86606	4.697	ug/L	96
27) 1,2-Dichloroethane	5.81	62	63464	4.703	ug/L	97
29) 1,1,1-Trichloroethane	5.33	97	73061	4.629	ug/L	99
30) Cyclohexane	5.40	56	71635	4.897	ug/L	99
31) Carbon tetrachloride	5.54	117	63027	4.679	ug/L	99
33) Benzene	5.79	78	176136	4.765	ug/L	100
34) Trichloroethene	6.55	95	45172	4.590	ug/L	99
35) Methylcyclohexane	6.77	83	66489	4.853	ug/L	99
37) 1,2-Dichloropropane	6.80	63	49724	4.739	ug/L	99
38) Bromodichloromethane	7.11	83	62114	4.738	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	66046	4.758	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	420528	53.063	ug/L	100
42) Toluene	7.97	91	183188	4.901	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	62586	4.839	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	35367	4.718	ug/L	96
47) Tetrachloroethene	8.56	164	32807	4.811	ug/L	90
48) 2-Hexanone	8.69	43	316714	53.269	ug/L	99
49) Dibromochloromethane	8.81	129	40970	4.740	ug/L	99
50) 1,2-Dibromoethane	8.93	107	34815	4.961	ug/L	96
51) Chlorobenzene	9.45	112	115054	4.799	ug/L	99
52) Ethylbenzene	9.57	91	191173	4.928	ug/L	99
53) m,p-Xylene	9.69	106	71276	5.079	ug/L	99
54) o-Xylene	10.10	106	67346	5.018	ug/L	98
55) Styrene	10.11	104	118901	5.101	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	48087	4.973	ug/L	97
59) Bromoform	10.29	173	23722	4.696	ug/L	97
60) Isopropylbenzene	10.48	105	180129	4.792	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	35428	4.535	ug/L	95
62) 1,3,5-Trimethylbenzene	11.09	105	145180	4.813	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	148240	4.850	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	89437	4.770	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	89893	4.692	ug/L	99
67) 1,2-Dichlorobenzene	12.21	146	84535	4.649	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.99	75	8750	4.859	ug/L	94
69) 1,3,5-Trichlorobenzene	13.21	180	60670	4.714	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	51803	4.779	ug/L	99
71) Naphthalene	14.08	128	91471	4.820	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	48053	4.732	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.082 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

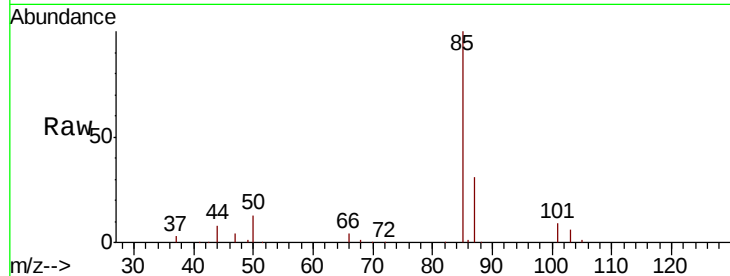
VSTD00511

Tot Ion: 85 Resp: 55040

Ion Ratio Lower Upper

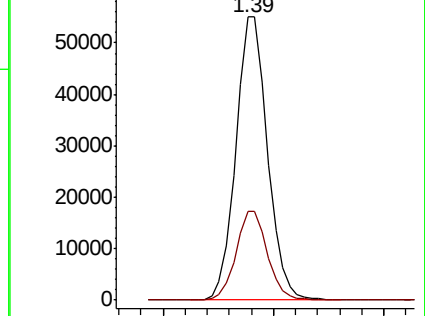
85 100

87 31.3 25.2 37.8

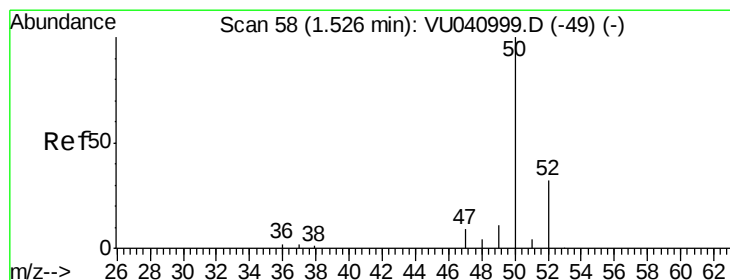
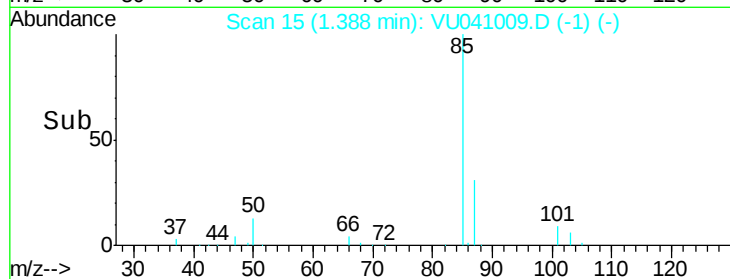


Abundance Ion 85.00 (84.70 to 85.70): VU041009.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU041009.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 4.717 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041009.D

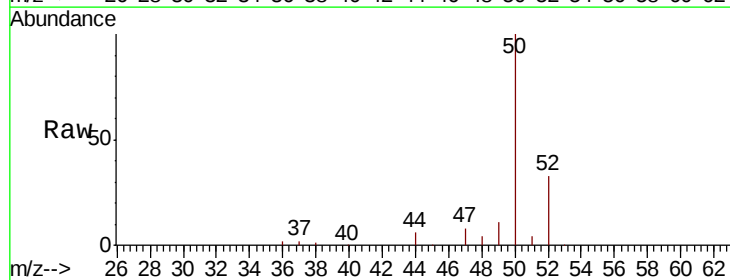
Acq: 29 Oct 2020 10:19

Tgt Ion: 50 Resp: 53492

Ion Ratio Lower Upper

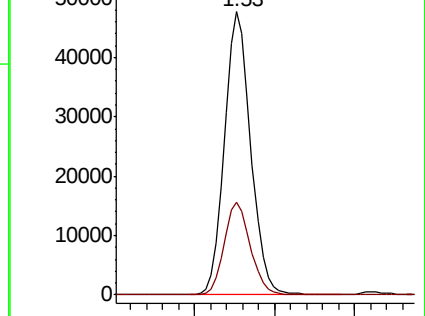
50 100

52 32.8 22.4 41.6

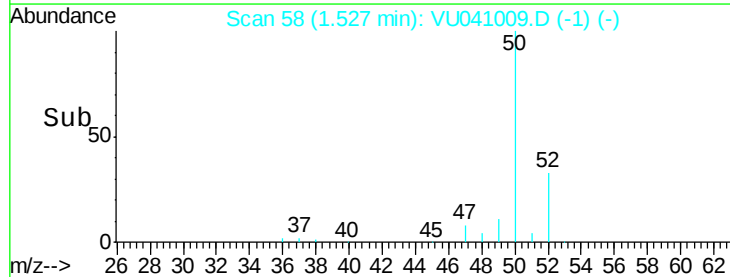


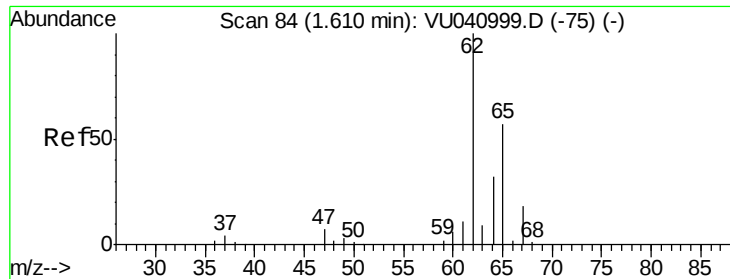
Abundance Ion 50.05 (49.75 to 50.75): VU041009.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VU041009.D (-1) (-)



Time-->





#5

Vinyl chloride

Concen: 4.800 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampled :

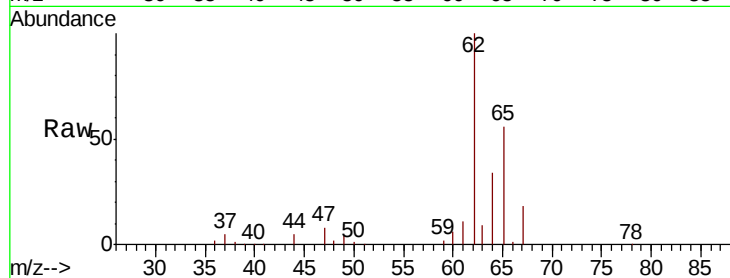
VSTD00511

Tot Ion: 62 Resp: 53913

Ion Ratio Lower Upper

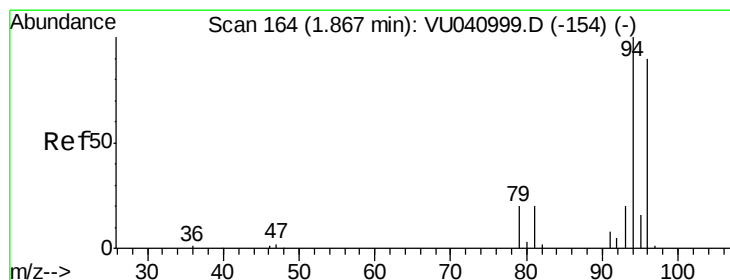
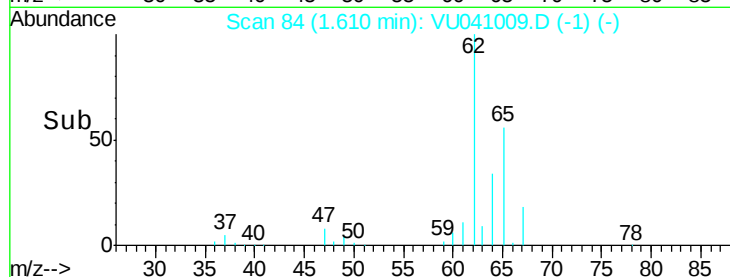
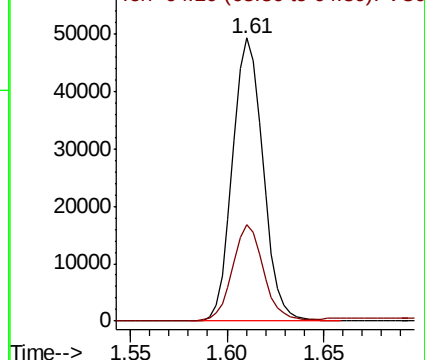
62 100

64 33.9 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: 4.723 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041009.D

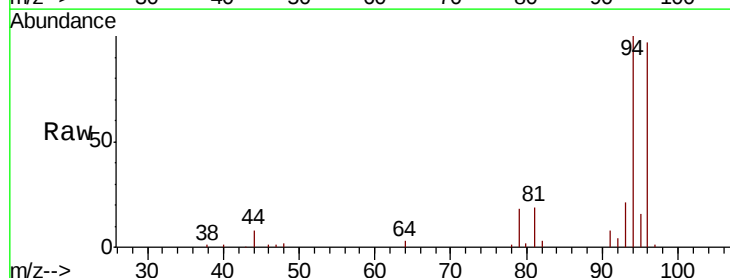
Acq: 29 Oct 2020 10:19

Tgt Ion: 94 Resp: 28287

Ion Ratio Lower Upper

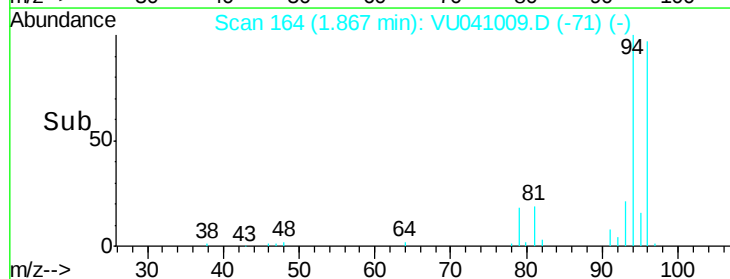
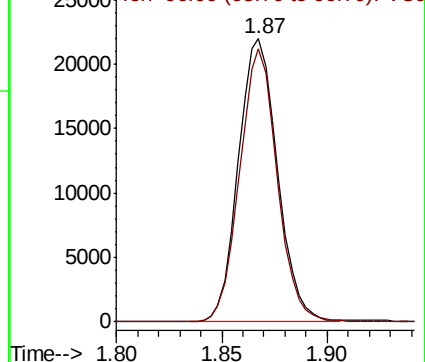
94 100

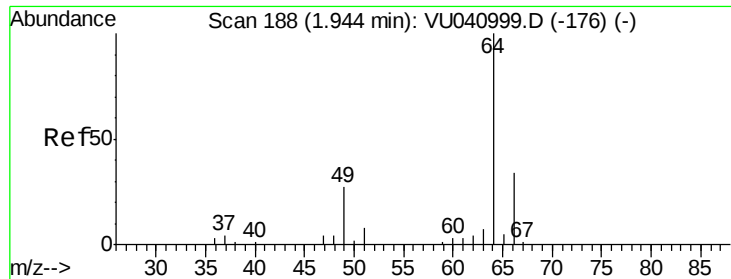
96 96.7 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

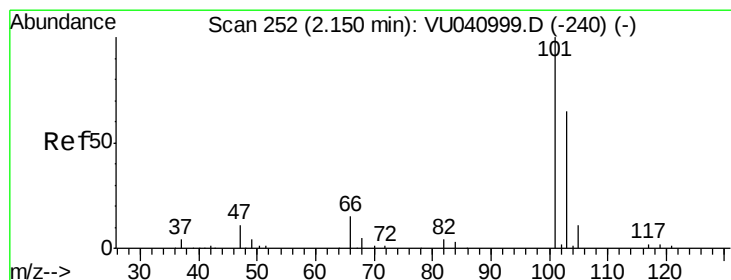
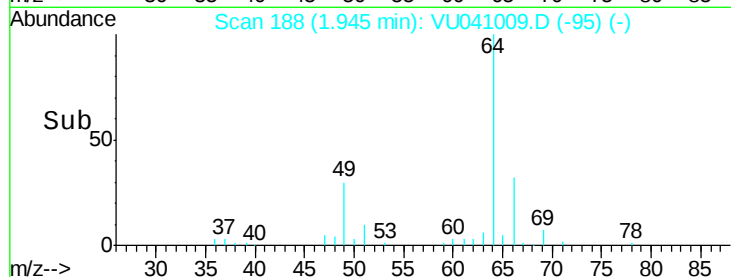
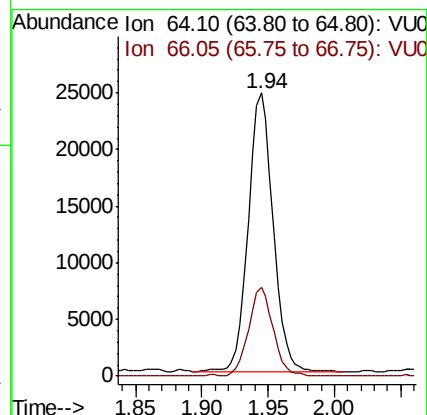
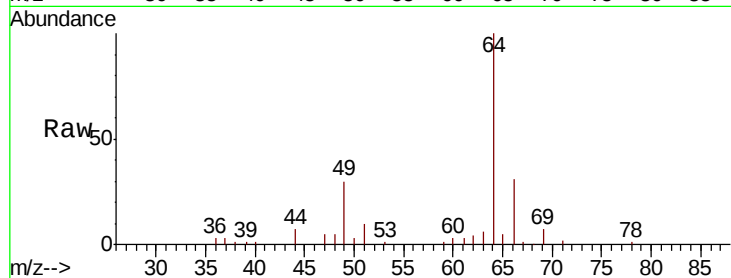




#8
Chloroethane
Concen: 4.470 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

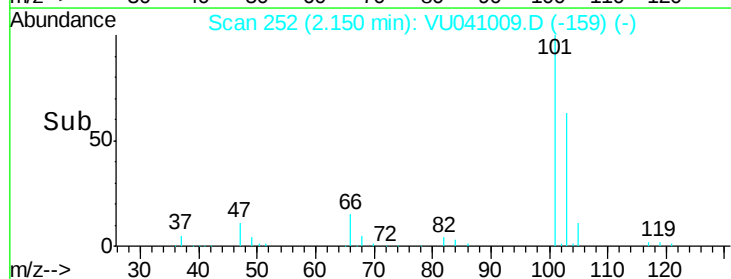
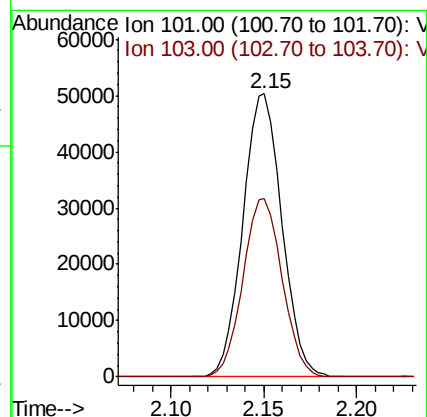
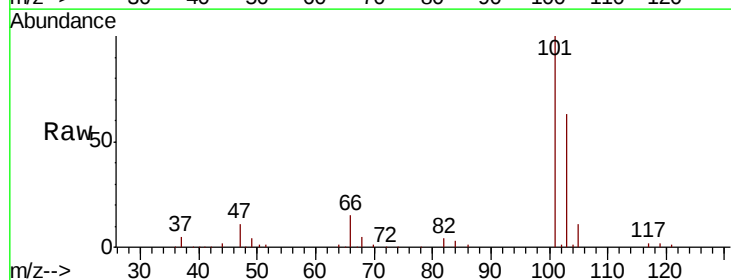
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

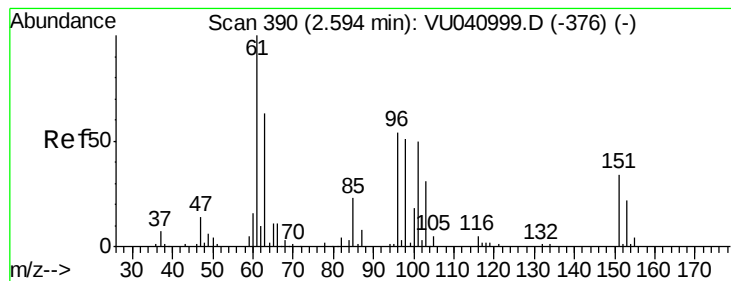
Tot Ion: 64 Resp: 32122
Ion Ratio Lower Upper
64 100
66 31.4 23.4 43.6



#9
Trichlorofluoromethane
Concen: 4.725 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Tgt Ion: 101 Resp: 73590
Ion Ratio Lower Upper
101 100
103 63.3 51.0 76.4





#10

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

Concen: 4.859 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

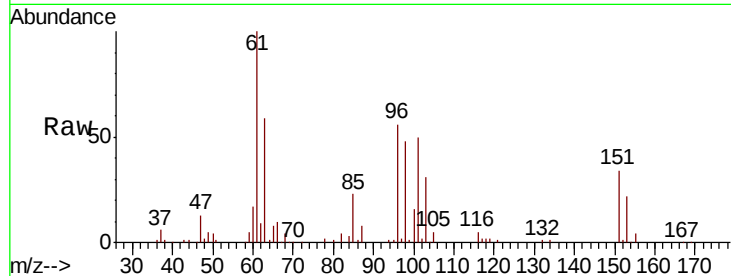
Tot Ion:101 Resp: 43884

Ion Ratio Lower Upper

101 100

85 46.2 38.1 57.1

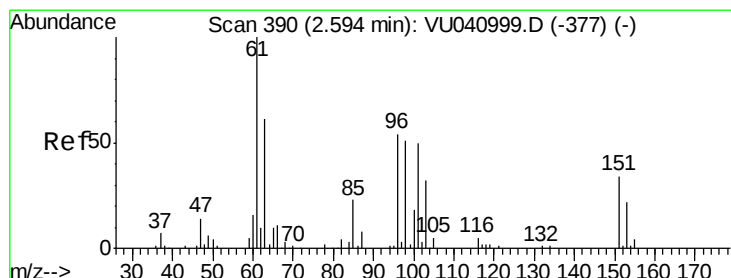
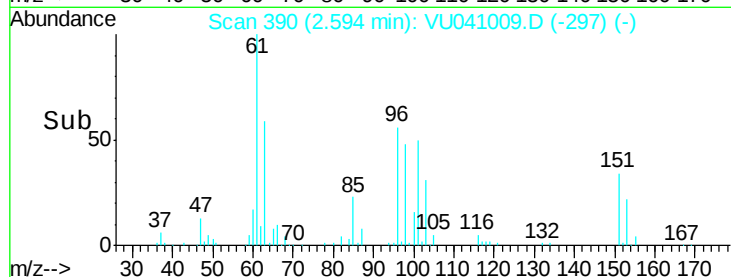
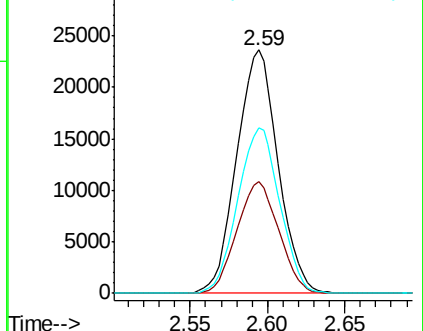
151 69.0 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.812 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

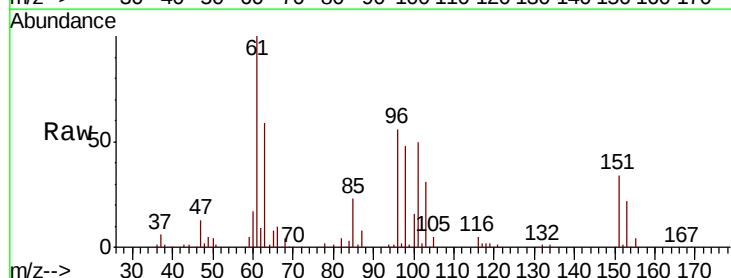
Tgt Ion: 96 Resp: 41389

Ion Ratio Lower Upper

96 100

61 178.7 130.2 241.8

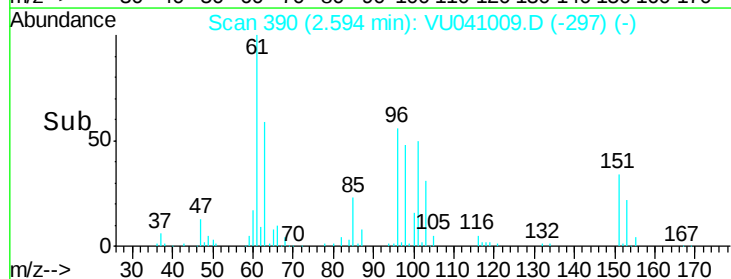
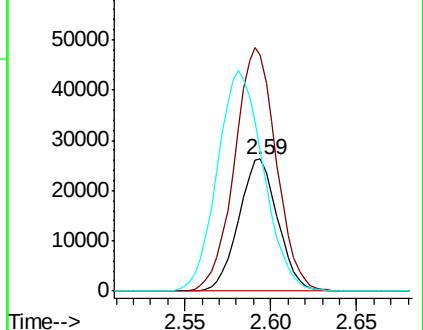
63 106.0 83.7 155.5

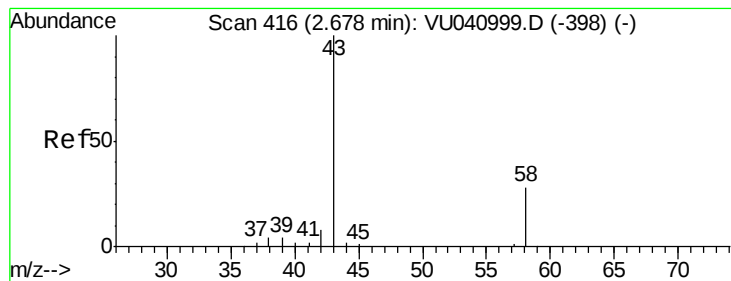


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 53.964 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

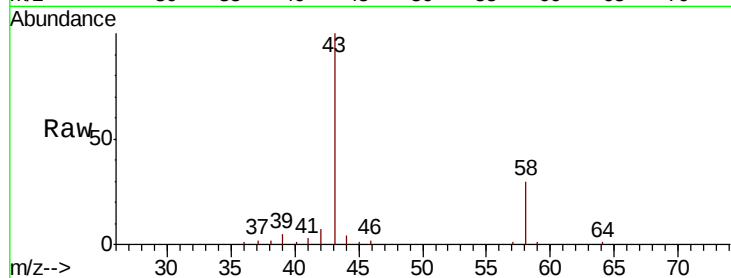
VSTD00511

Tot Ion: 43 Resp: 120466

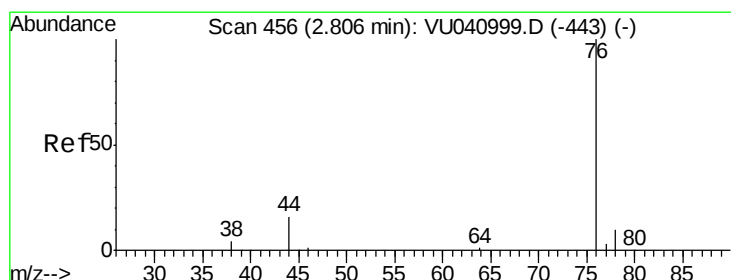
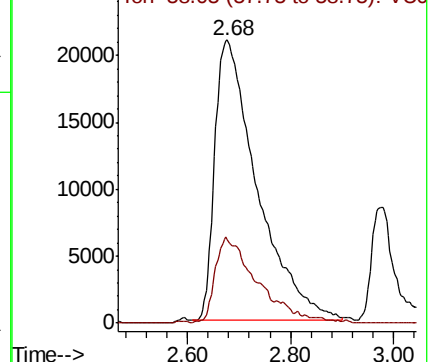
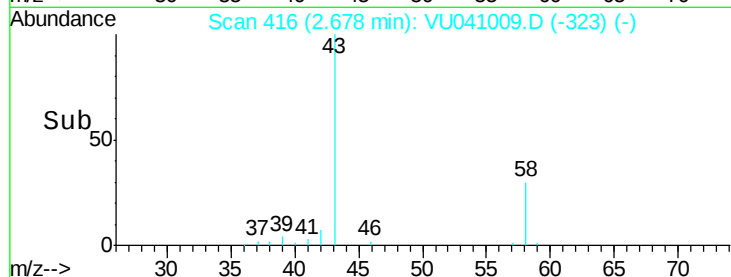
Ion Ratio Lower Upper

43 100

58 26.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU041009.D (-323) (-)



#14

Carbon disulfide

Concen: 4.769 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU041009.D

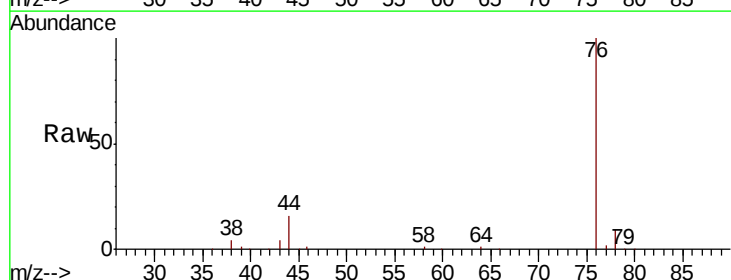
Acq: 29 Oct 2020 10:19

Tgt Ion: 76 Resp: 130578

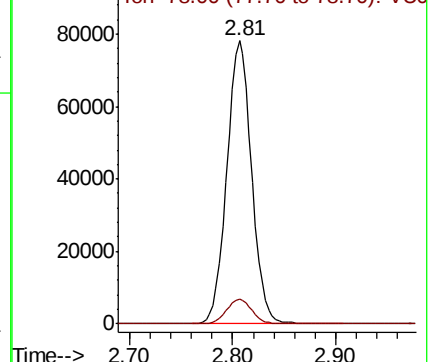
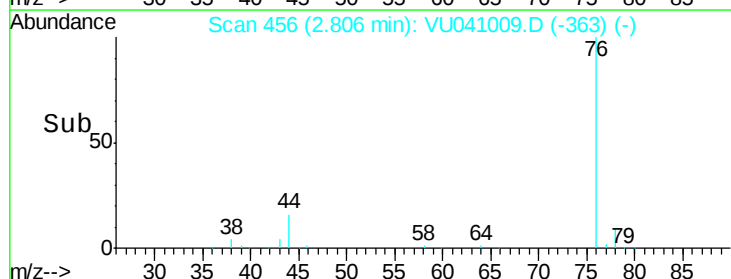
Ion Ratio Lower Upper

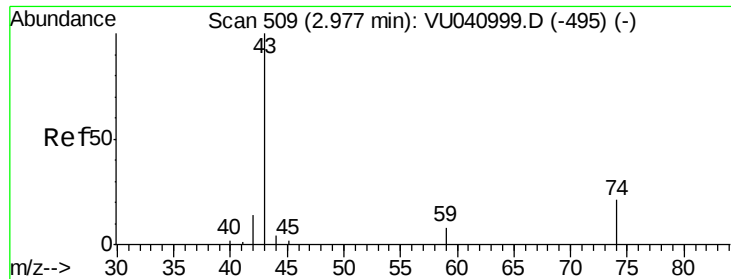
76 100

78 8.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU041009.D (-363) (-)





#15

Methvl Acetate

Concen: 5.277 ug/L

RT: 2.98 min Scan# 509

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

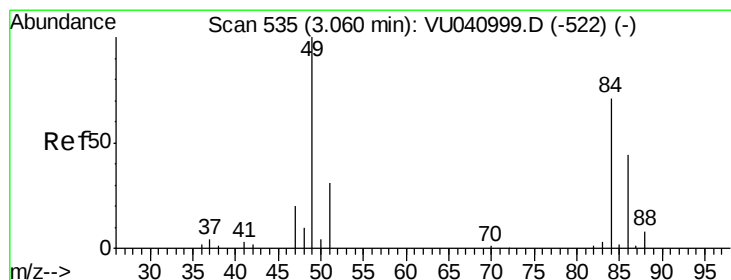
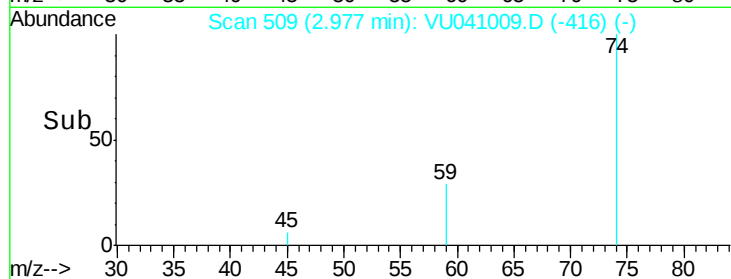
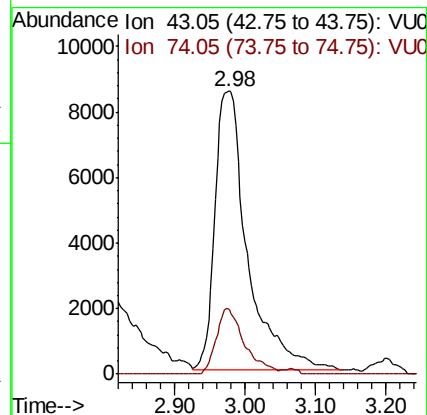
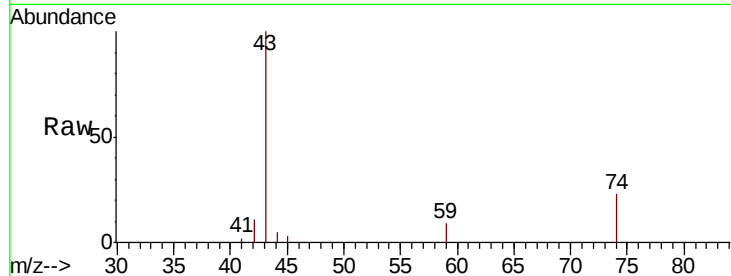
VSTD00511

Tot Ion: 43 Resp: 27572

Ion Ratio Lower Upper

43 100

74 20.1 15.6 23.4



#16

Methylene chloride

Concen: 4.643 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

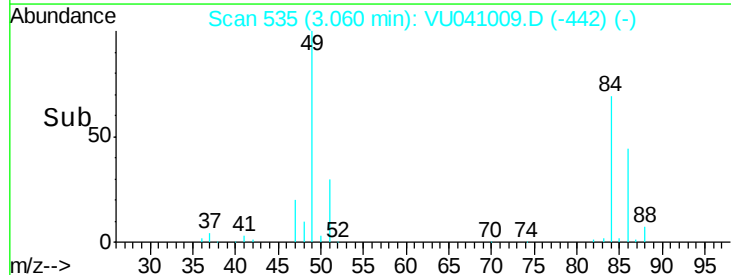
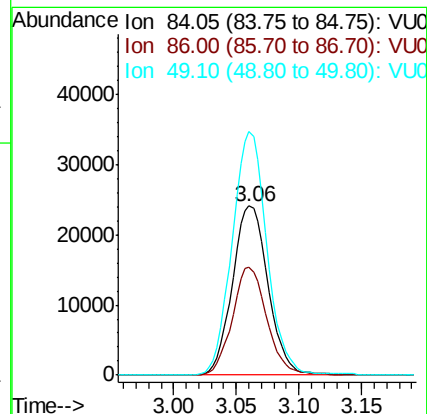
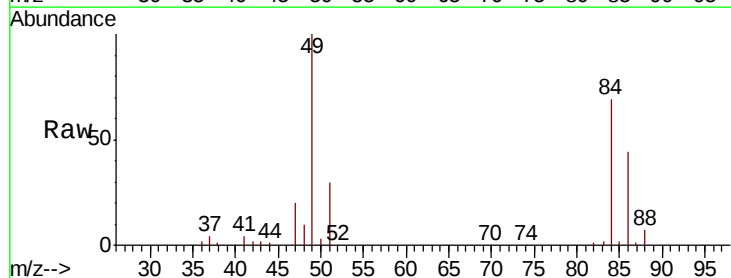
Tgt Ion: 84 Resp: 47682

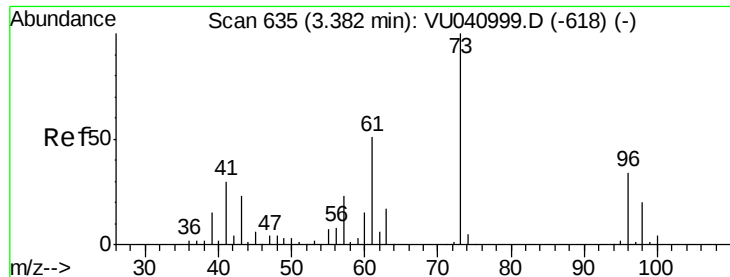
Ion Ratio Lower Upper

84 100

86 63.7 44.2 82.0

49 143.9 99.3 184.3

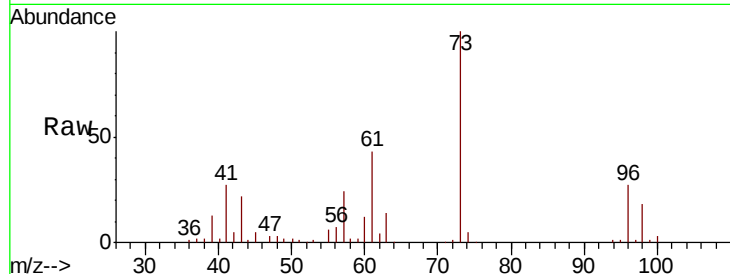




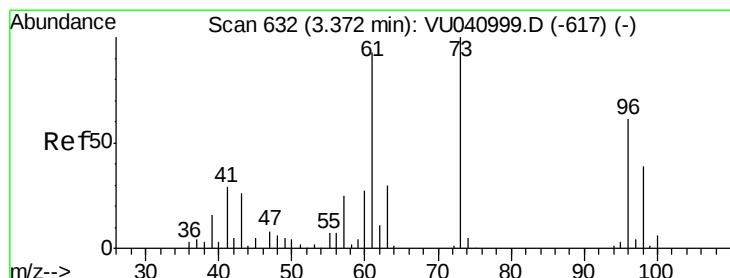
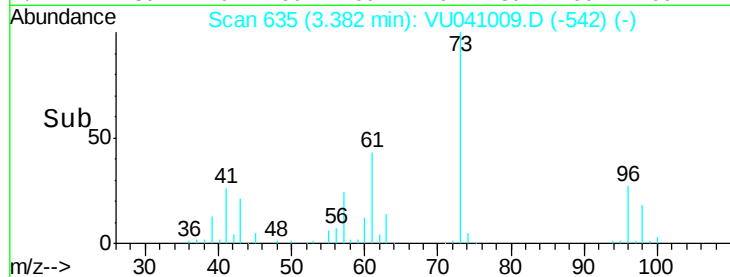
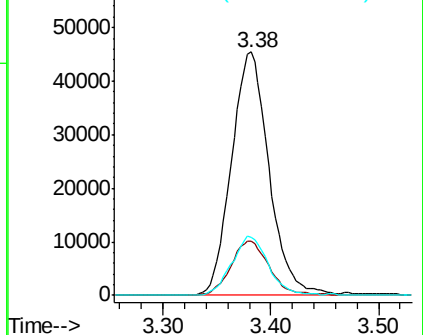
#17
Methvl tert-butvl Ether
Concen: 4.916 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion: 73 Resp: 110206
Ion Ratio Lower Upper
73 100
43 23.0 19.5 29.3
57 23.7 18.9 28.3

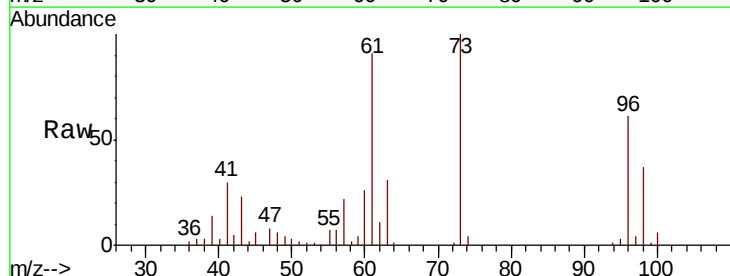


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

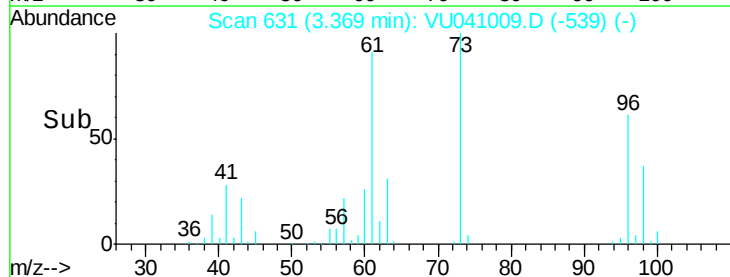
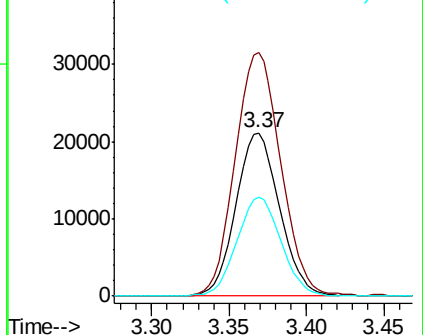


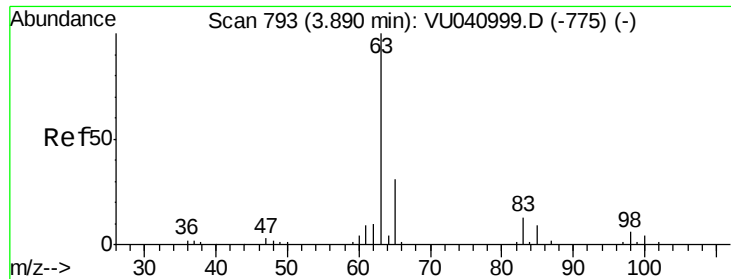
#18
trans-1,2-Dichloroethene
Concen: 4.748 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Tgt Ion: 96 Resp: 41402
Ion Ratio Lower Upper
96 100
61 149.3 107.2 199.0
98 60.6 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

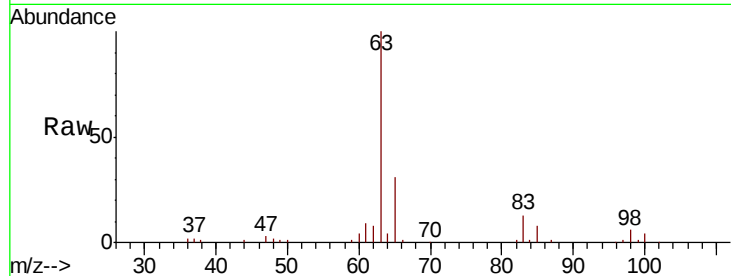




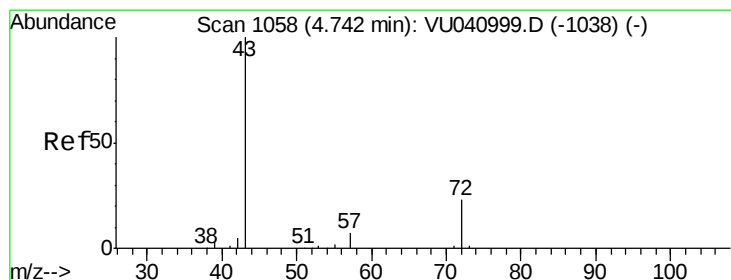
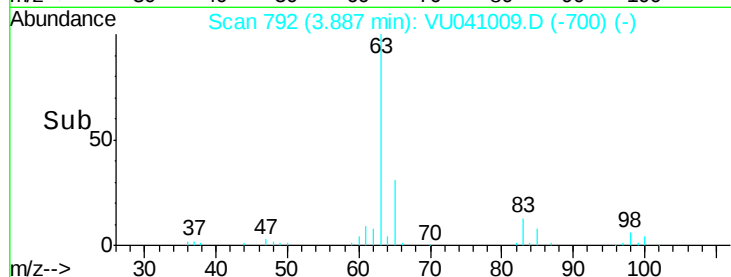
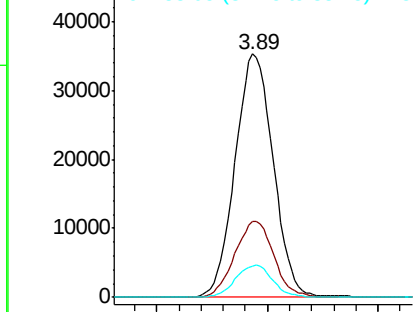
#19
 1,1-Dichloroethane
 Concen: 4.693 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion: 63 Resp: 84740
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.4
 83 13.0 9.3 17.3

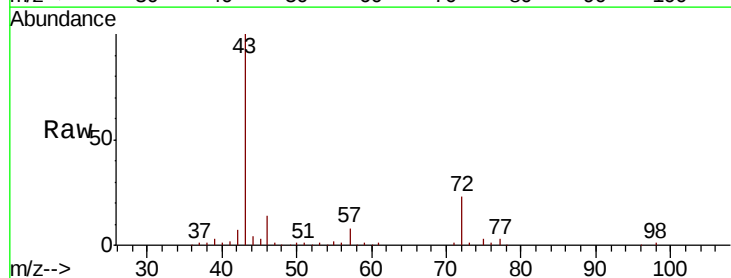


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

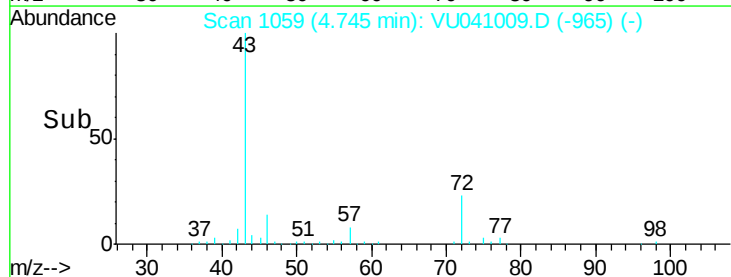
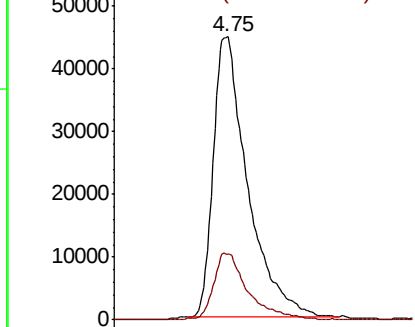


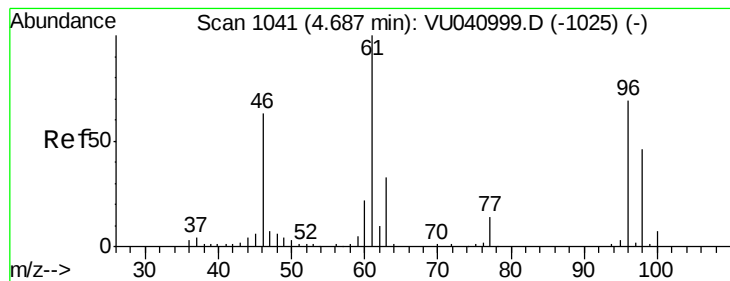
#21
 2-Butanone
 Concen: 51.039 ug/L
 RT: 4.75 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion: 43 Resp: 184865
 Ion Ratio Lower Upper
 43 100
 72 23.9 11.6 34.7



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





#22

cis-1,2-Dichloroethene

Concen: 4.603 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

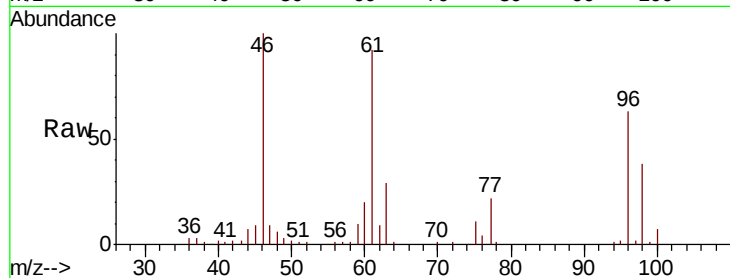
Tot Ion: 96 Resp: 42872

Ion Ratio Lower Upper

96 100

61 145.4 101.7 188.9

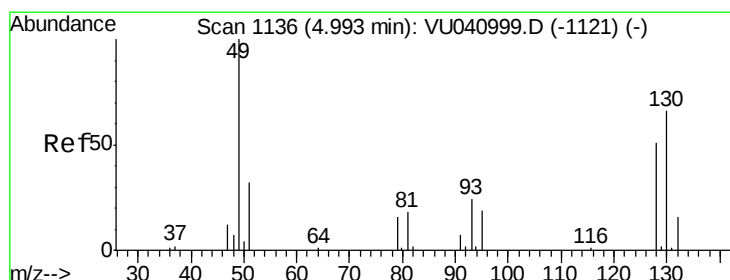
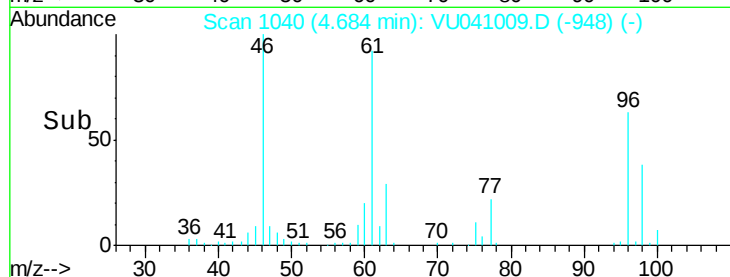
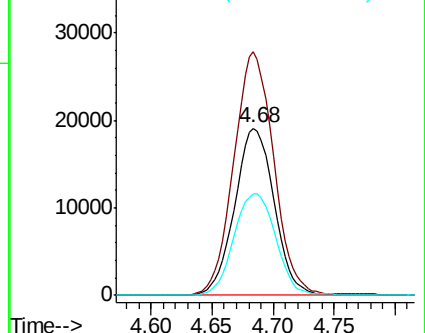
98 60.5 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU041009.D (-1043) (-)

Ion 61.05 (60.75 to 61.75): VU041009.D (-1043) (-)

Ion 98.00 (97.70 to 98.70): VU041009.D (-1043) (-)



#23

Bromochloromethane

Concen: 4.845 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Tgt Ion: 128 Resp: 21470

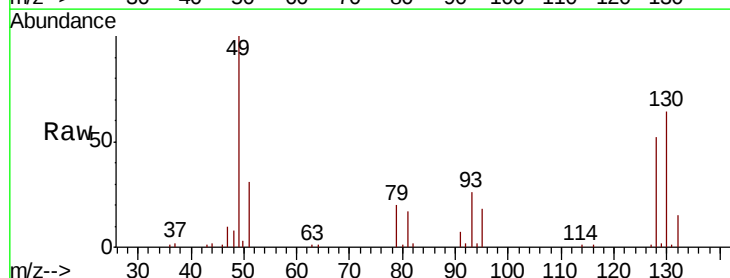
Ion Ratio Lower Upper

128 100

49 191.7 137.5 255.4

130 122.9 90.2 167.4

51 59.1 49.8 74.6

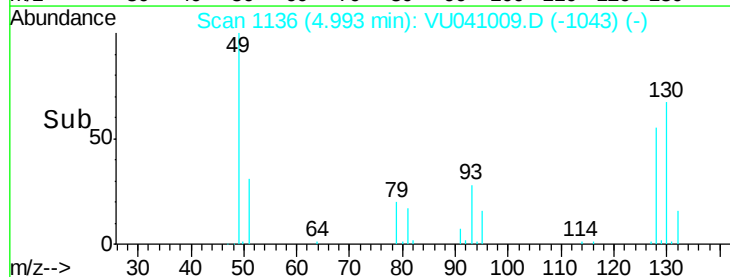
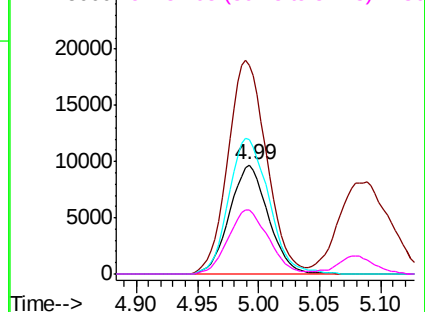


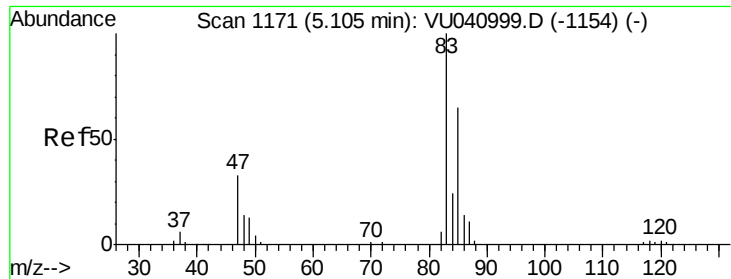
Abundance Ion 127.90 (127.60 to 128.60): VU041009.D (-1043) (-)

Ion 49.10 (48.80 to 49.80): VU041009.D (-1043) (-)

Ion 129.95 (129.65 to 130.65): VU041009.D (-1043) (-)

Ion 51.05 (50.75 to 51.75): VU041009.D (-1043) (-)

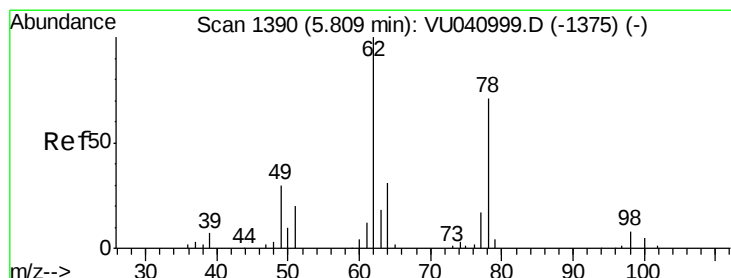
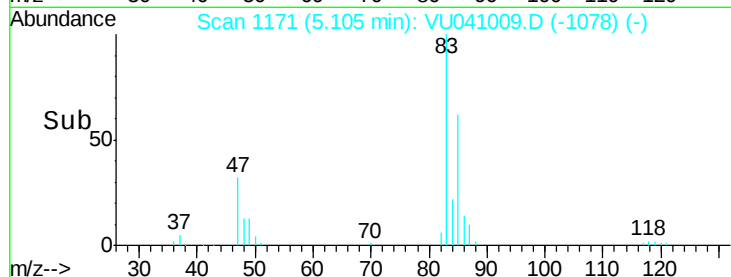
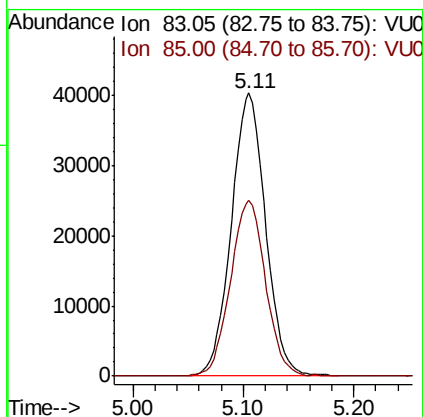
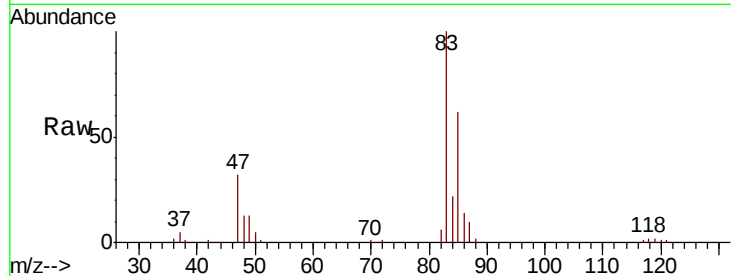




#25
Chloroform
Concen: 4.697 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

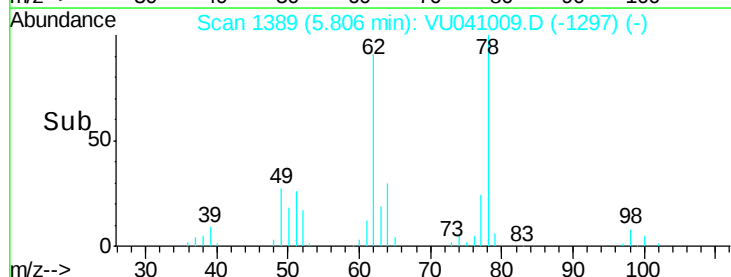
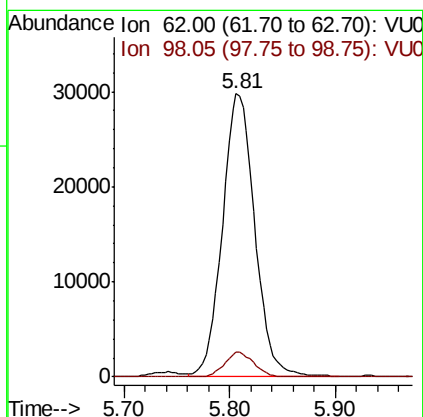
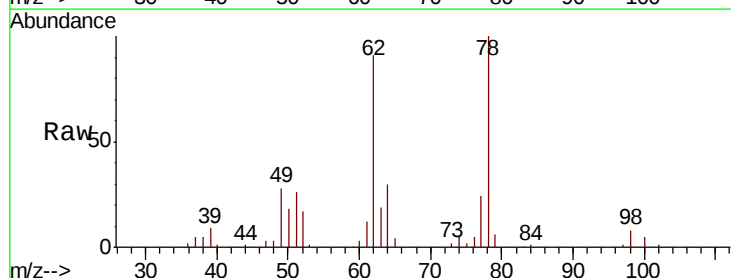
Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

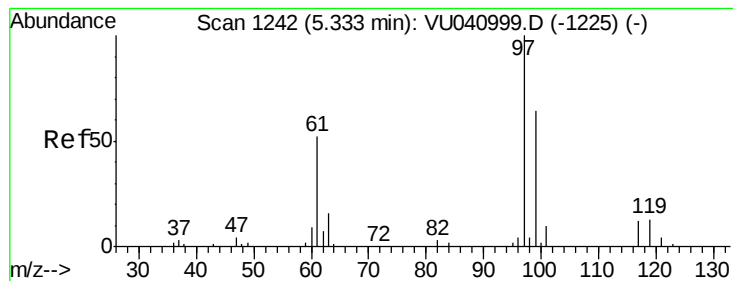
Tot Ion: 83 Resp: 86606
Ion Ratio Lower Upper
83 100
85 62.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.703 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Tgt Ion: 62 Resp: 63464
Ion Ratio Lower Upper
62 100
98 8.7 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 4.629 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

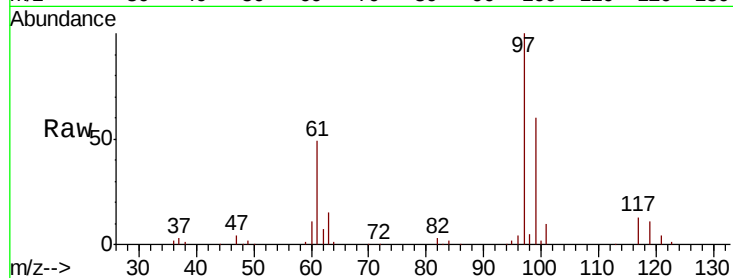
Tot Ion: 97 Resp: 73061

Ion Ratio Lower Upper

97 100

99 61.4 50.2 75.2

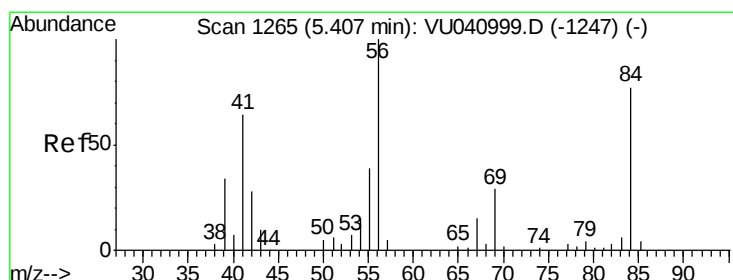
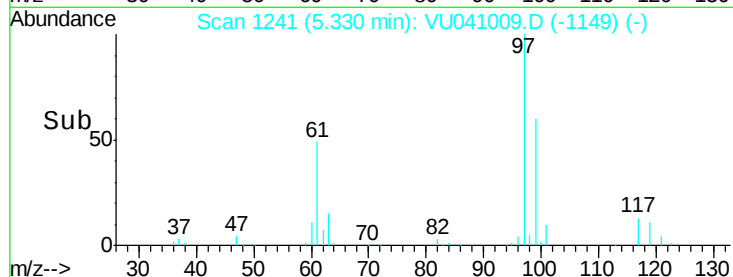
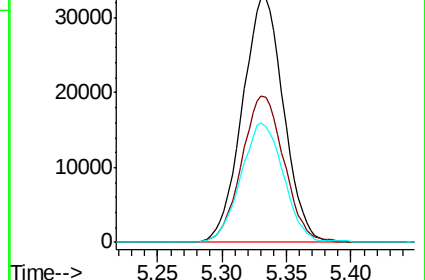
61 50.2 39.6 59.4



Abundance Ion 96.95 (96.65 to 97.65): VU041009.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU041009.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU041009.D (-1149) (-)



#30

Cyclohexane

Concen: 4.897 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

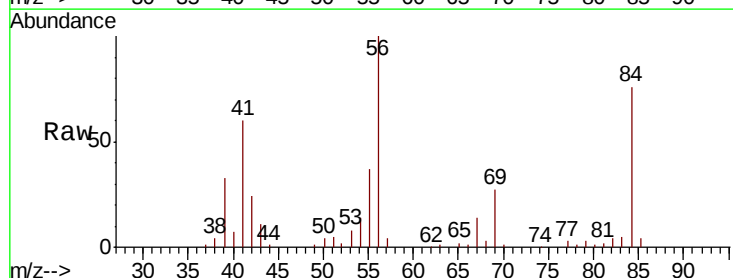
Tgt Ion: 56 Resp: 71635

Ion Ratio Lower Upper

56 100

69 29.3 23.2 34.8

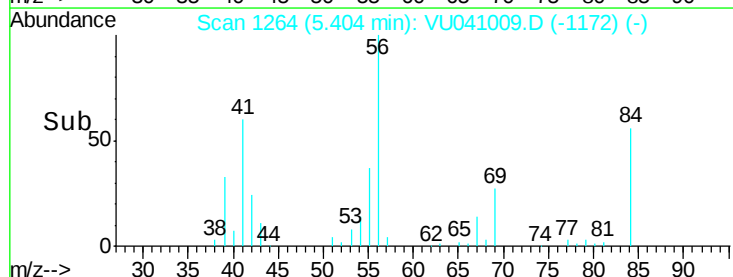
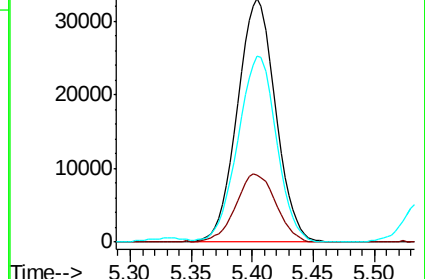
84 77.5 62.9 94.3

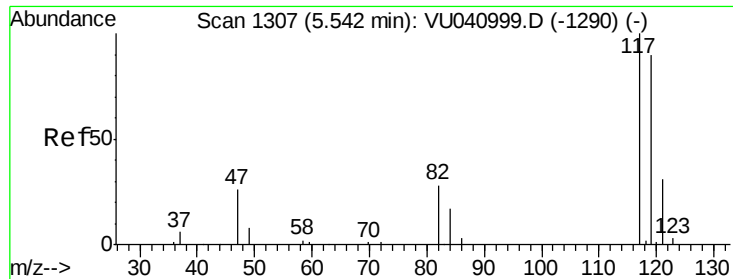


Abundance Ion 56.10 (55.80 to 56.80): VU041009.D (-1172) (-)

Ion 69.15 (68.85 to 69.85): VU041009.D (-1172) (-)

Ion 84.15 (83.85 to 84.85): VU041009.D (-1172) (-)





#31

Carbon tetrachloride

Concen: 4.679 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

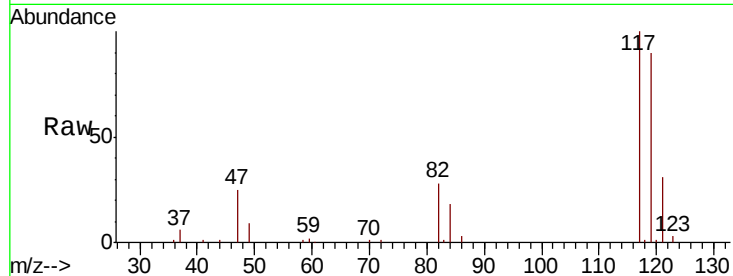
VSTD00511

Tot Ion:117 Resp: 63027

Ion Ratio Lower Upper

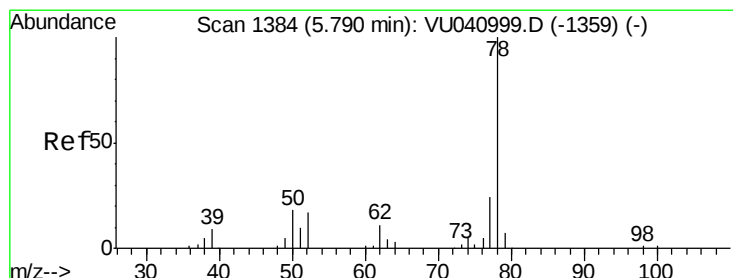
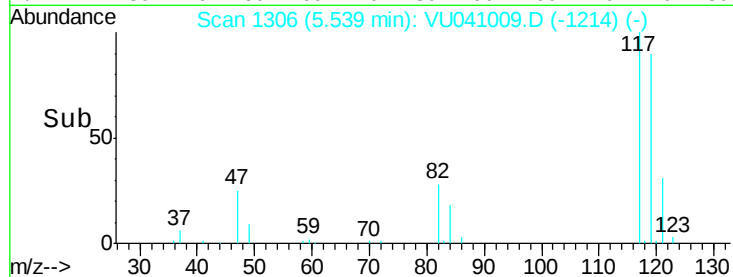
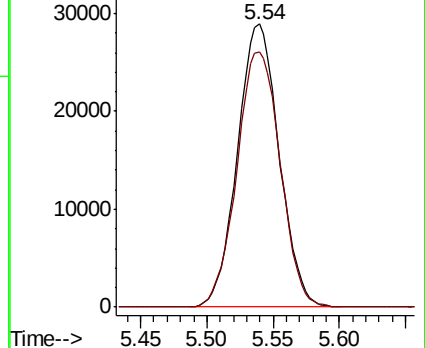
117 100

119 93.8 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: 4.765 ug/L

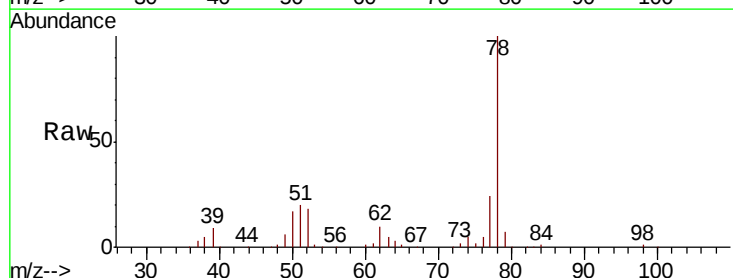
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Tgt Ion: 78 Resp: 176136



Abundance Ion 78.10 (77.80 to 78.80): VU0

100000

80000

60000

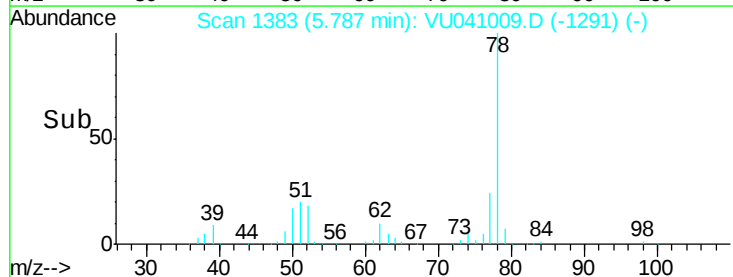
40000

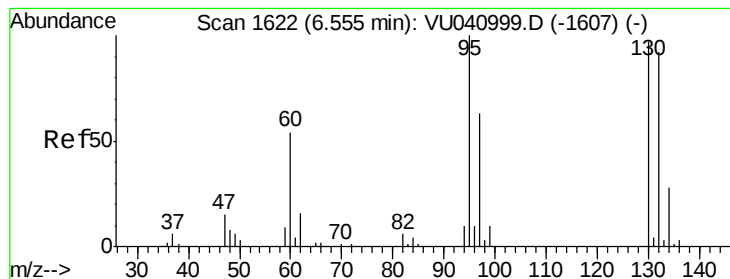
20000

0

Time-->

5.70 5.80 5.90





#34

Trichloroethene

Concen: 4.590 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

Tot Ion: 95 Resp: 45172

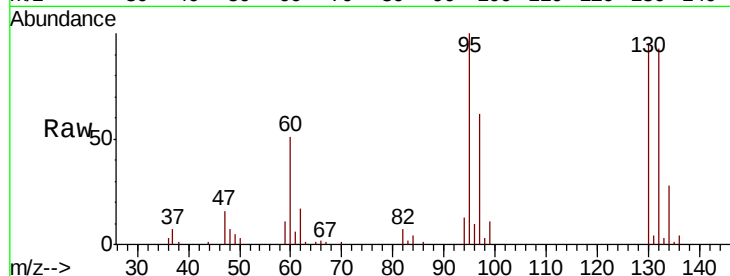
Ion Ratio Lower Upper

95 100

97 62.1 43.8 81.4

132 92.6 64.5 119.7

130 94.8 67.6 125.6

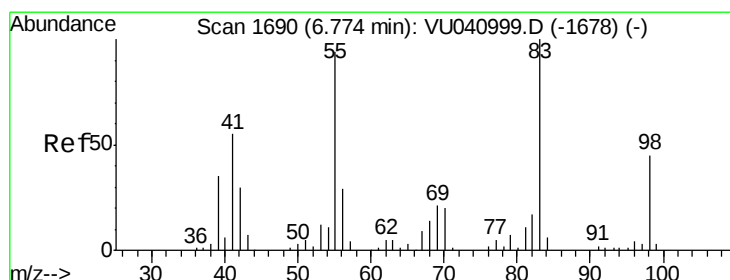
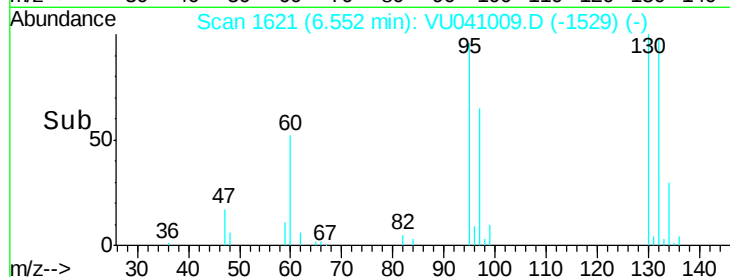
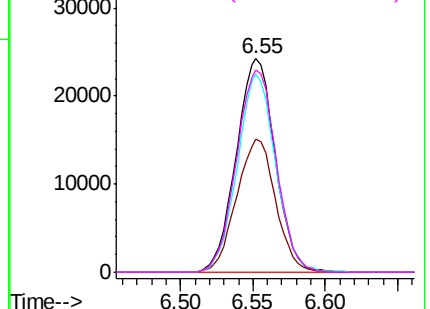


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.853 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

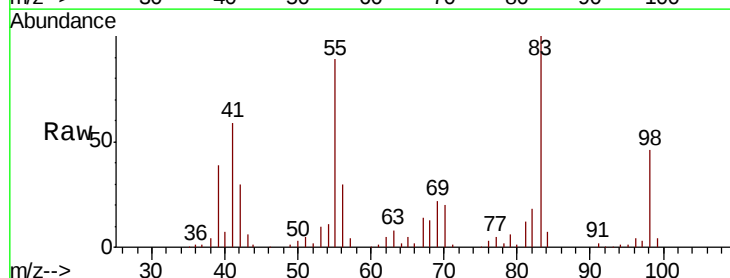
Tgt Ion: 83 Resp: 66489

Ion Ratio Lower Upper

83 100

55 90.7 72.7 109.1

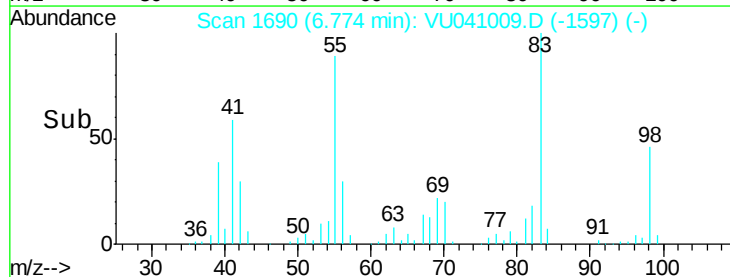
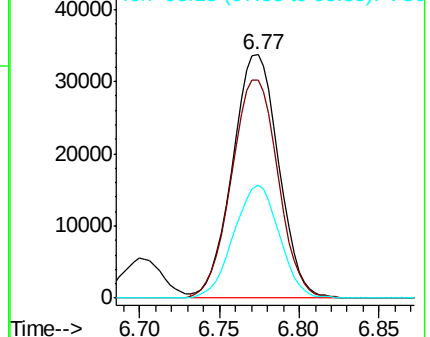
98 45.8 35.7 53.5

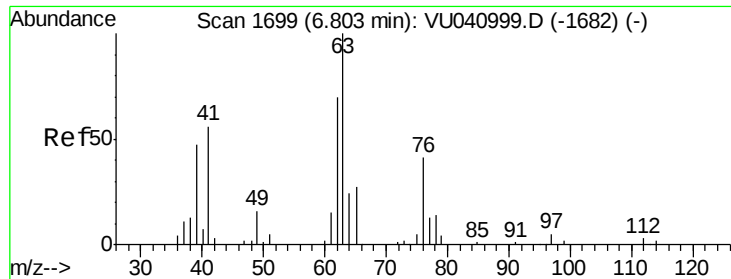


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

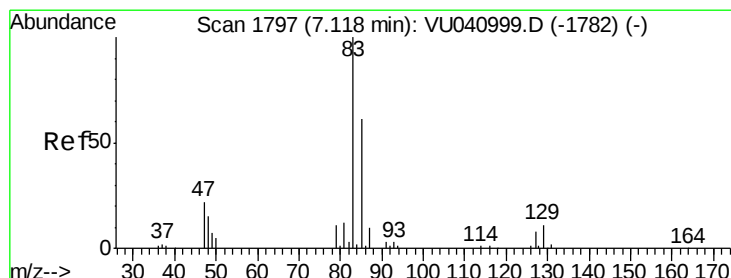
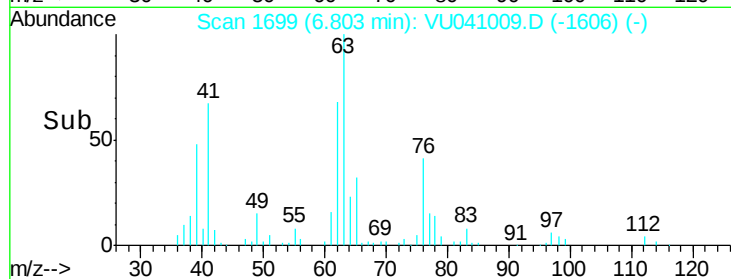
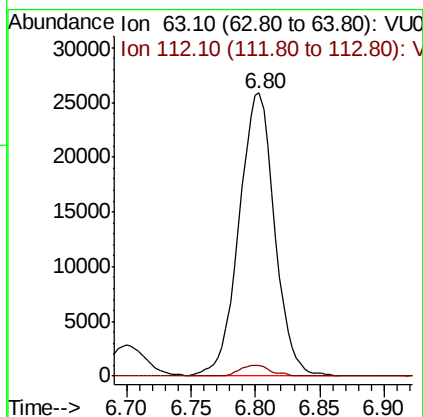
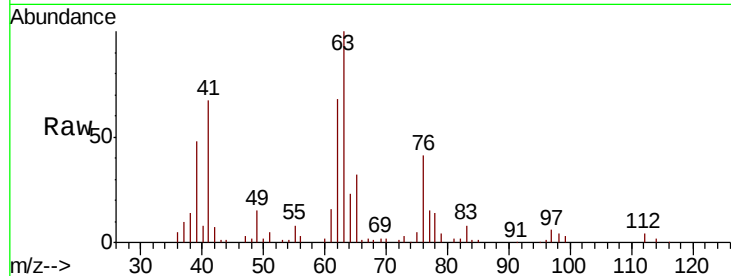




#37
 1,2-Dichloropropane
 Concen: 4.739 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

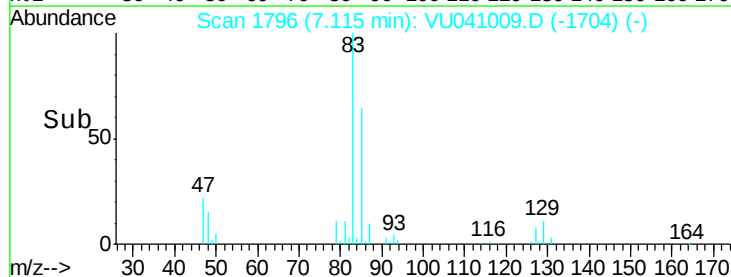
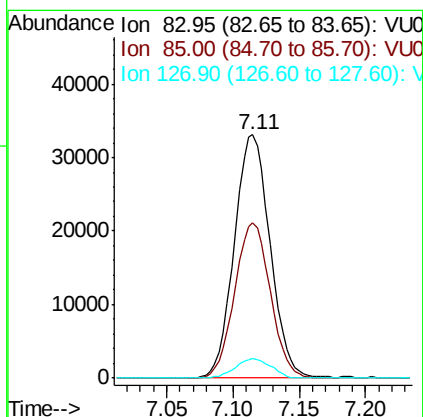
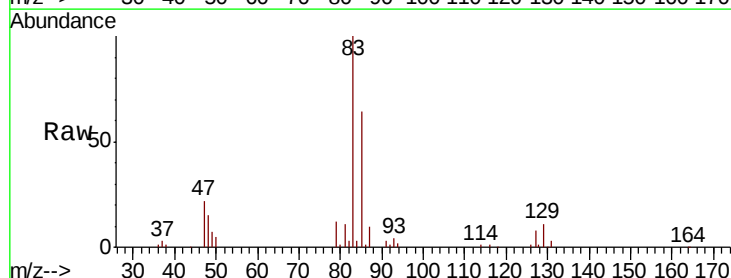
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

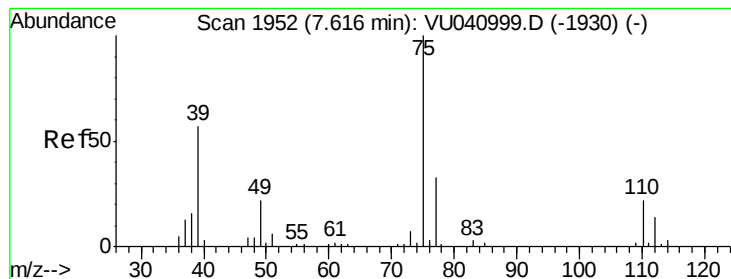
Tot Ion: 63 Resp: 49724
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.738 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion: 83 Resp: 62114
 Ion Ratio Lower Upper
 83 100
 85 63.7 42.9 79.7
 127 7.9 6.2 9.2



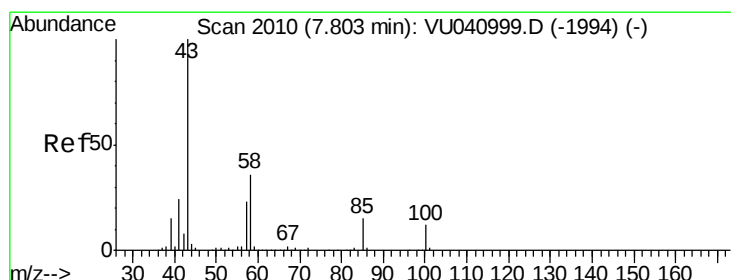
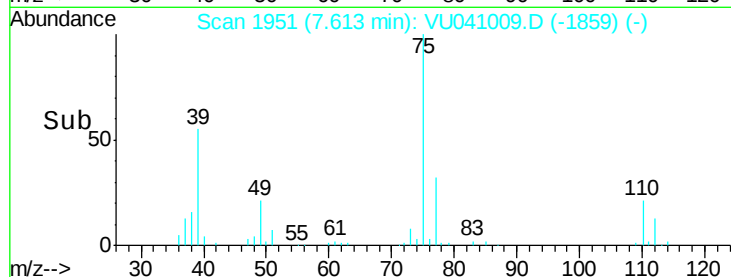
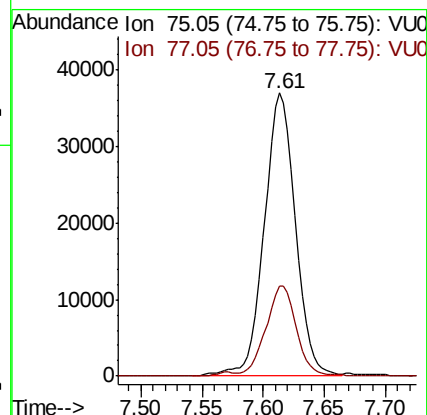
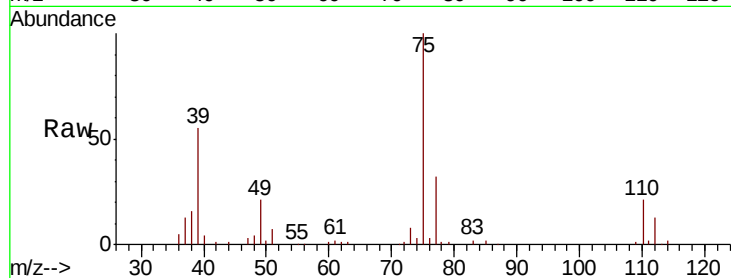


#39

cis-1,3-Dichloropropene
 Concen: 4.758 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

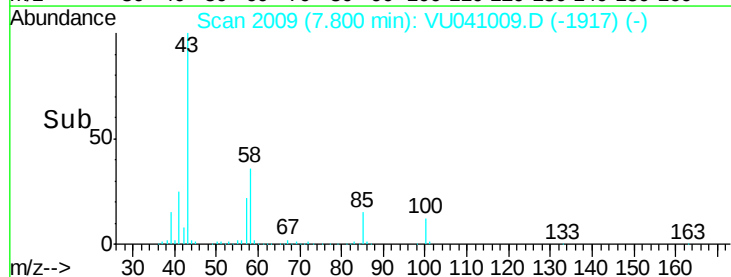
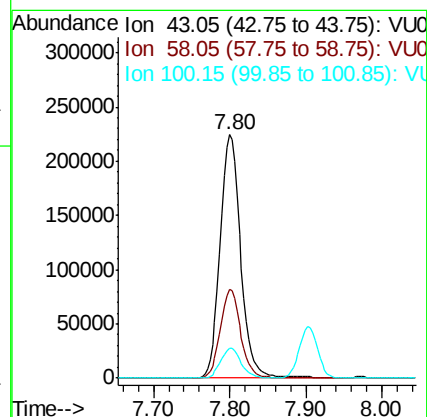
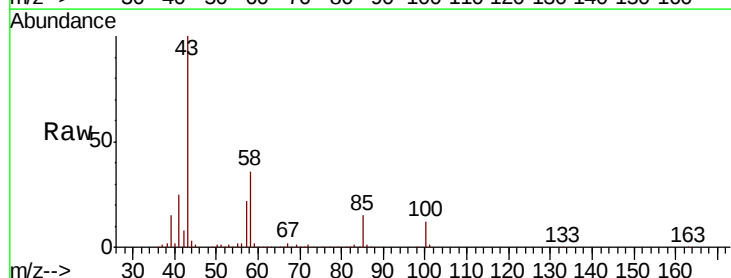
Tot Ion: 75 Resp: 66046
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.7 42.3

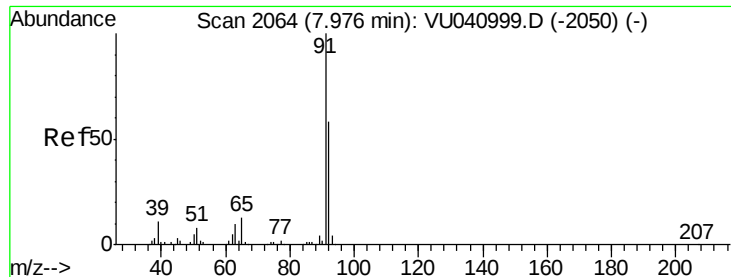


#40

4-Methyl-2-pentanone
 Concen: 53.063 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion: 43 Resp: 420528
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.6 43.0
 100 12.1 9.6 14.4





#42

Toluene

Concen: 4.901 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

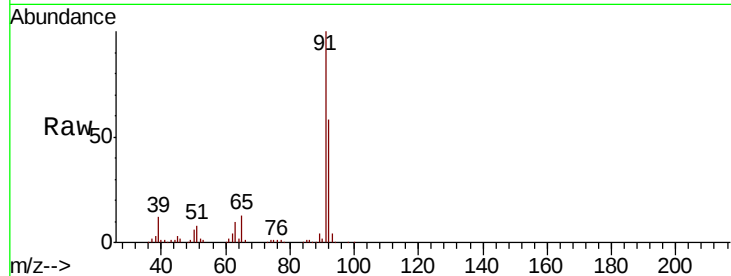
VSTD00511

Tot Ion: 91 Resp: 183188

Ion Ratio Lower Upper

91 100

92 58.3 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

120000

100000

80000

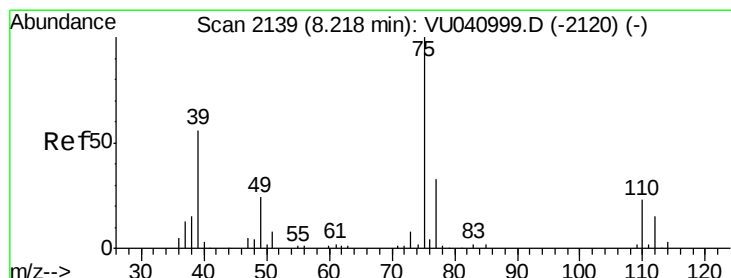
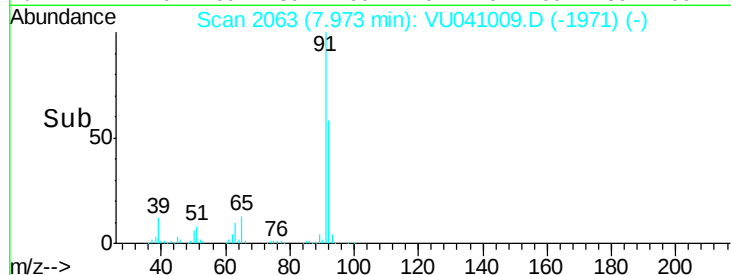
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.839 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041009.D

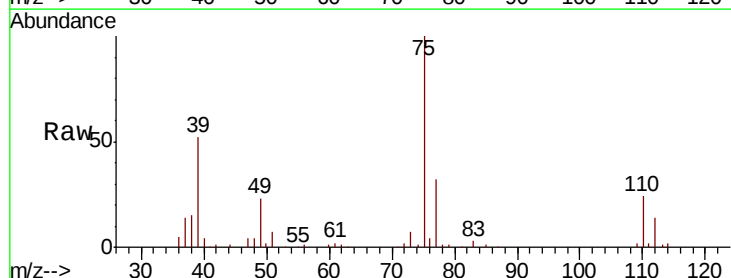
Acq: 29 Oct 2020 10:19

Tgt Ion: 75 Resp: 62586

Ion Ratio Lower Upper

75 100

77 32.2 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

40000

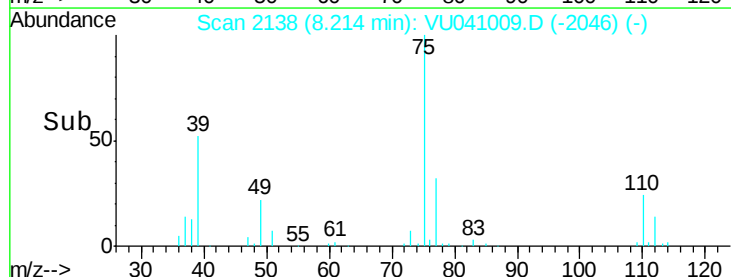
30000

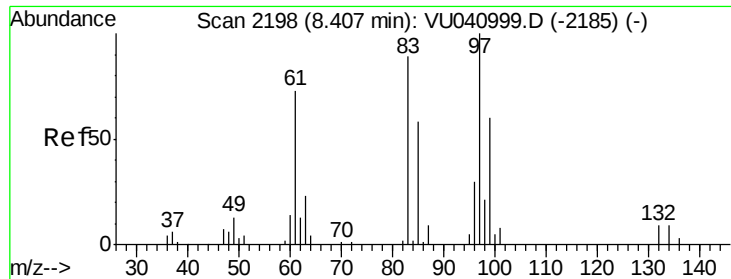
20000

10000

0

Time-->

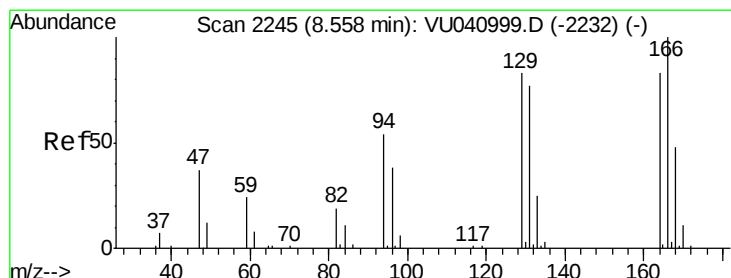
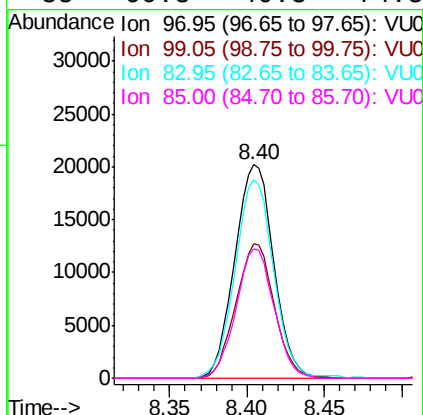
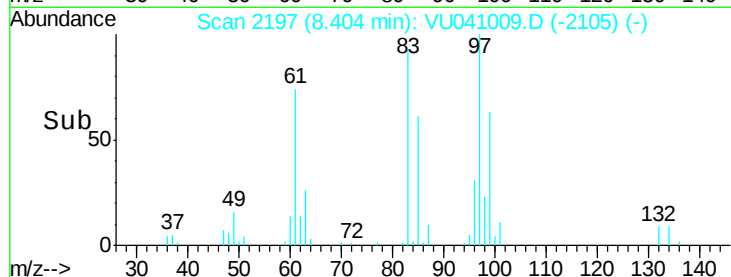
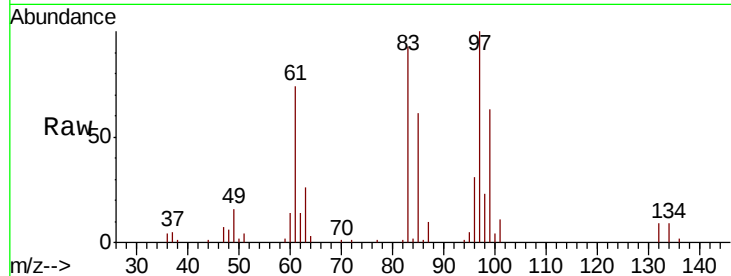




#45
 1,1,2-Trichloroethane
 Concen: 4.718 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

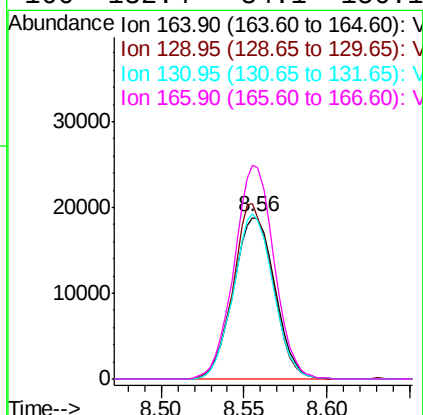
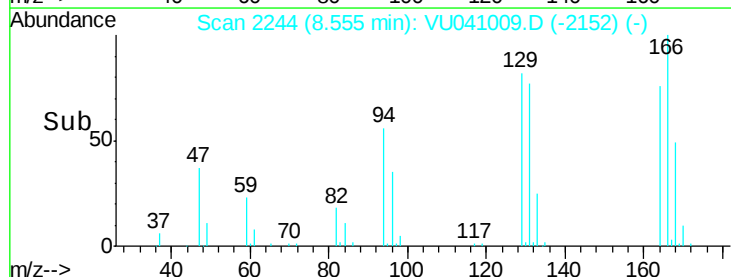
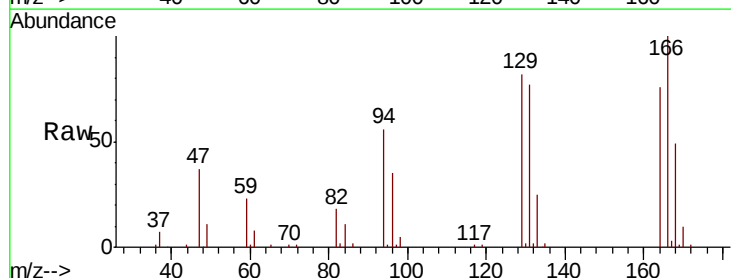
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

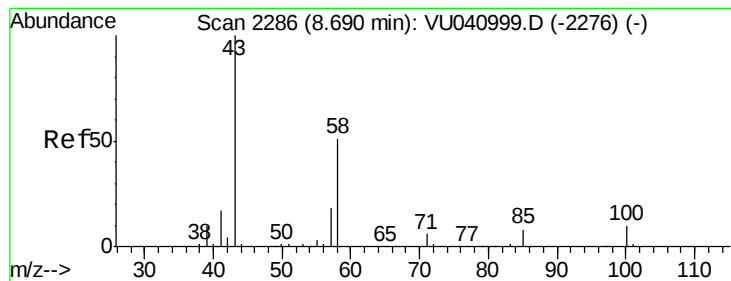
Tot Ion:	97	Resp:	35367
Ion	Ratio	Lower	Upper
97	100		
99	63.1	41.8	77.6
83	93.0	62.2	115.6
85	60.8	40.3	74.8



#47
 Tetrachloroethene
 Concen: 4.811 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion:	164	Resp:	32807
Ion	Ratio	Lower	Upper
164	100		
129	109.0	69.9	129.7
131	102.3	65.0	120.6
166	132.4	84.1	156.1





#48

2-Hexanone

Concen: 53.269 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

Tot Ion: 43 Resp: 316714

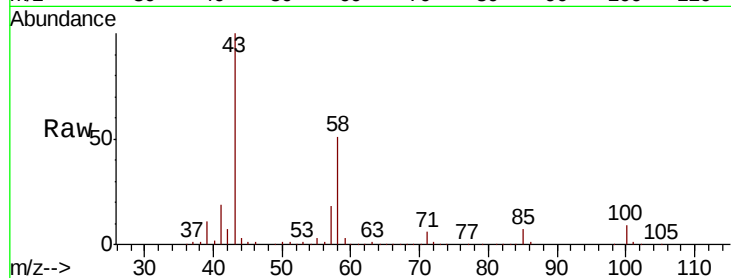
Ion Ratio Lower Upper

43 100

58 50.9 39.9 59.9

57 18.0 14.1 21.1

100 9.2 7.5 11.3

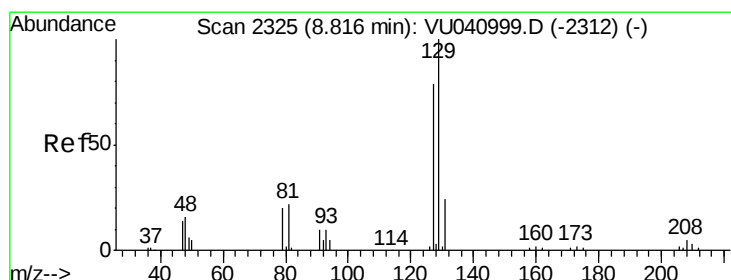
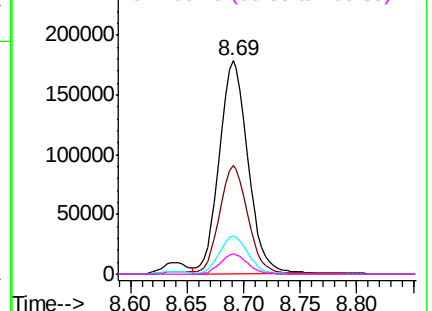
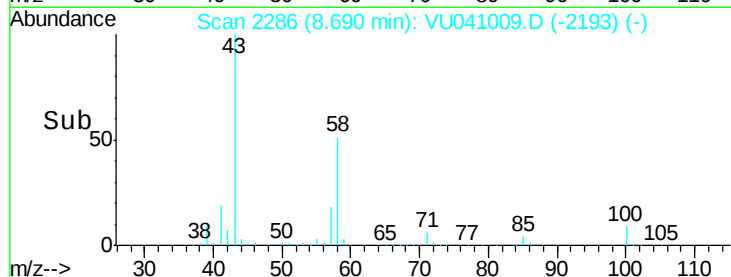


Abundance Ion 43.05 (42.75 to 43.75): VU041009.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041009.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041009.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041009.D (-2193) (-)



#49

Dibromochloromethane

Concen: 4.740 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041009.D

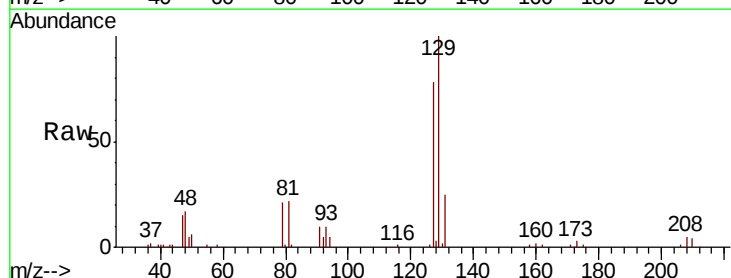
Acq: 29 Oct 2020 10:19

Tgt Ion: 129 Resp: 40970

Ion Ratio Lower Upper

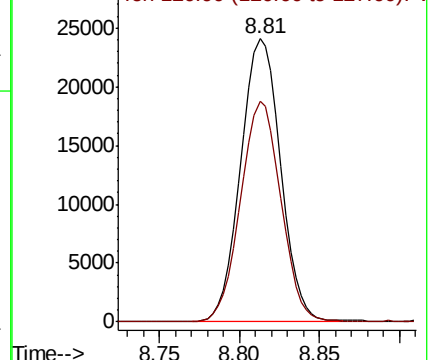
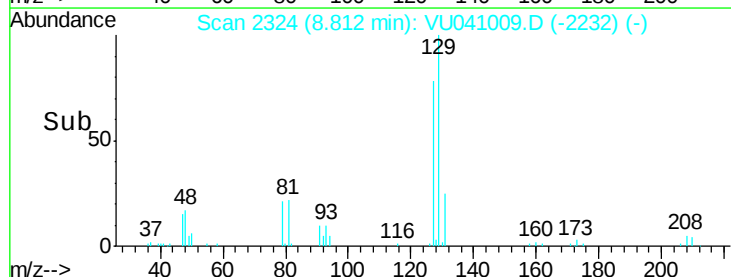
129 100

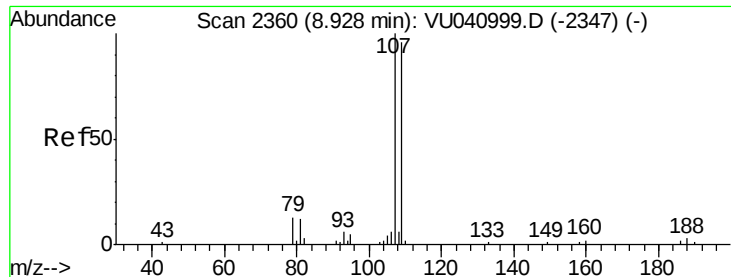
127 78.2 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU041009.D (-2232) (-)

Ion 126.90 (126.60 to 127.60): VU041009.D (-2232) (-)

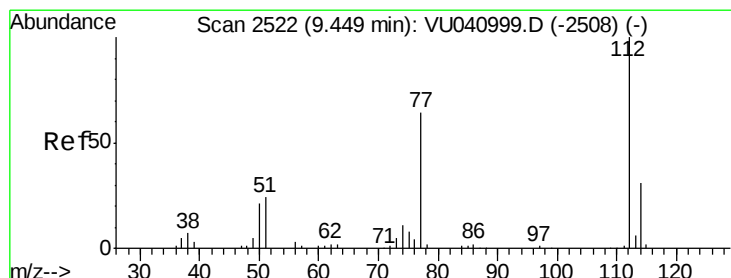
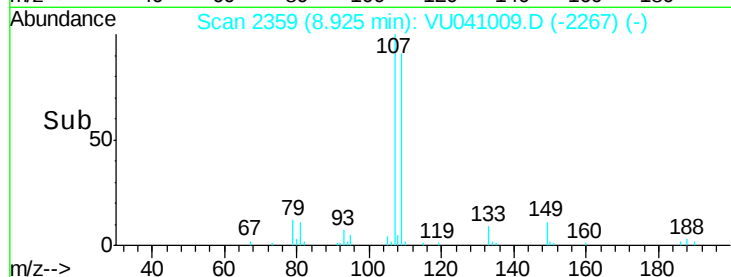
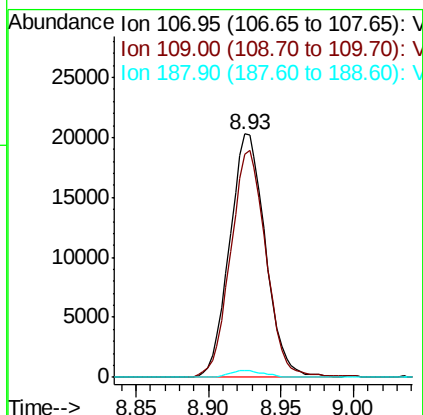
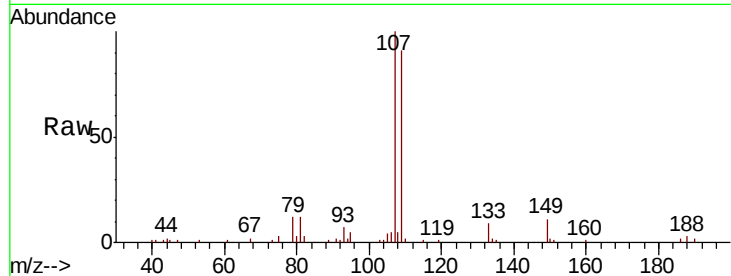




#50
 1,2-Dibromoethane
 Concen: 4.961 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

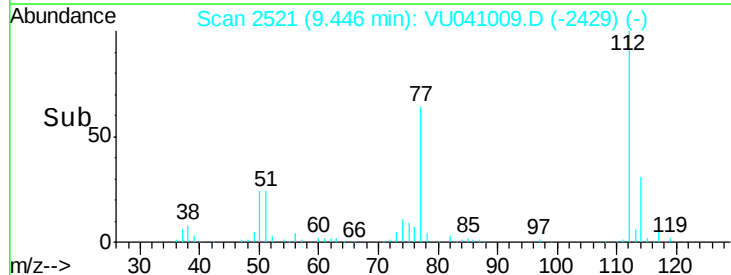
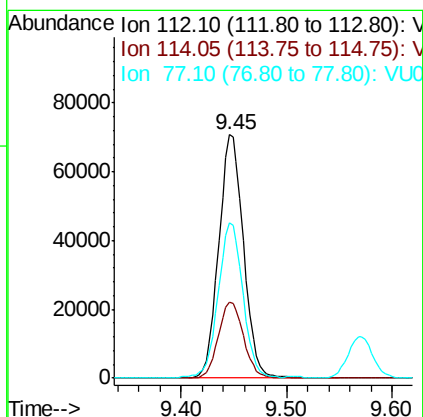
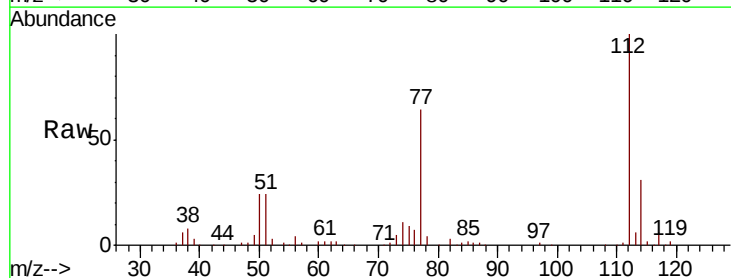
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

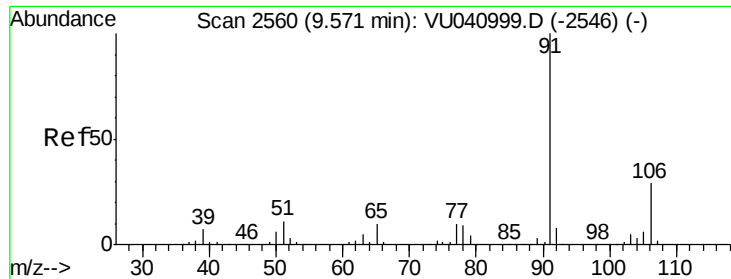
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.5	67.1	124.5
188	3.0	2.3	3.5



#51
 Chlorobenzene
 Concen: 4.799 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.9	40.7
77	63.5	51.4	77.2





#52

Ethylbenzene

Concen: 4.928 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

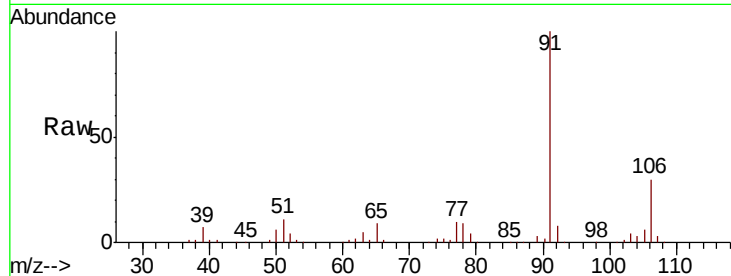
VSTD00511

Tot Ion: 91 Resp: 191173

Ion Ratio Lower Upper

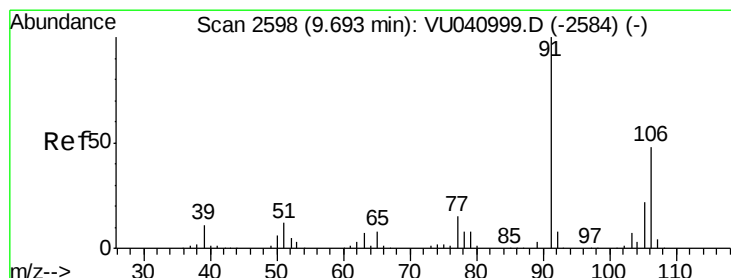
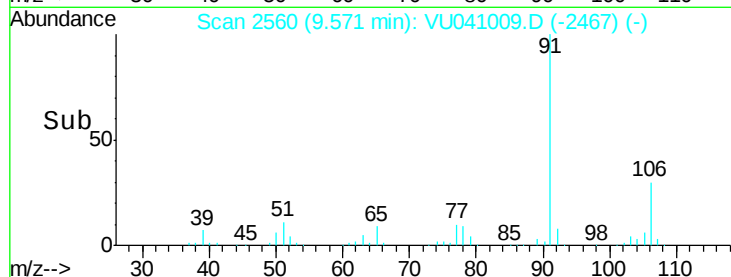
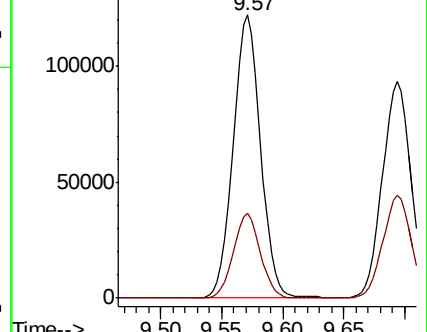
91 100

106 30.0 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU041009.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU041009.D (-2546) (-)



#53

m,p-Xylene

Concen: 5.079 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041009.D

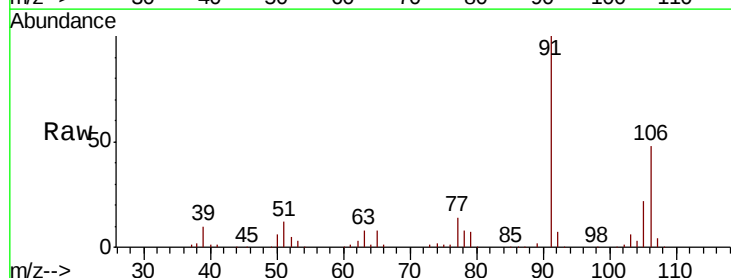
Acq: 29 Oct 2020 10:19

Tgt Ion: 106 Resp: 71276

Ion Ratio Lower Upper

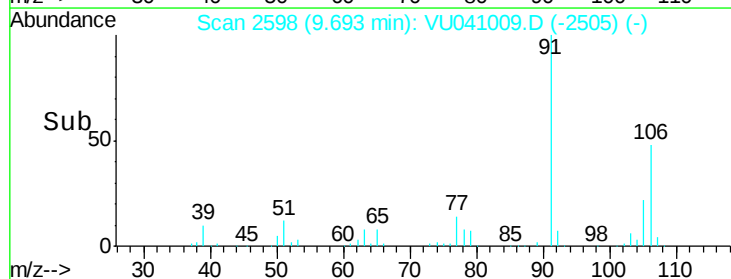
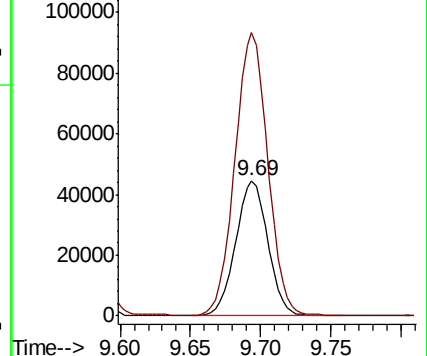
106 100

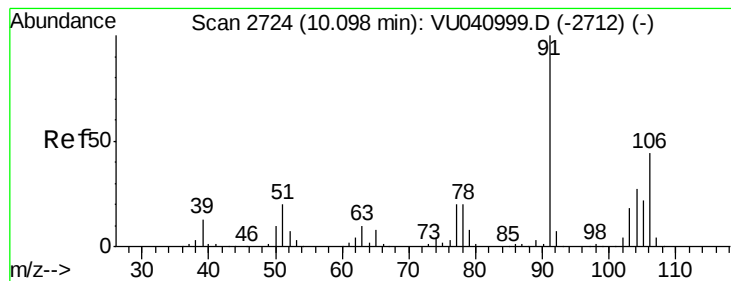
91 209.0 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU041009.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU041009.D (-2584) (-)





#54

o-Xylene

Concen: 5.018 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

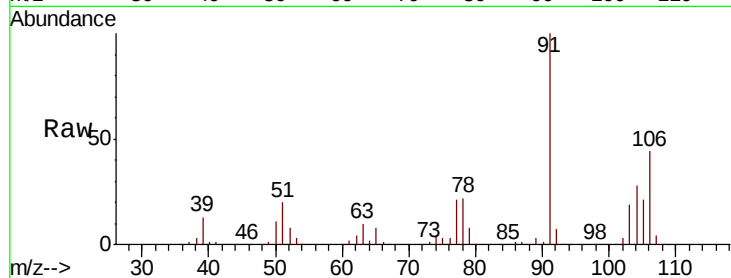
VSTD00511

Tot Ion:106 Resp: 67346

Ion Ratio Lower Upper

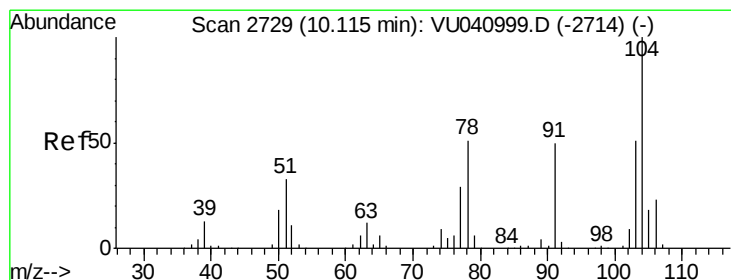
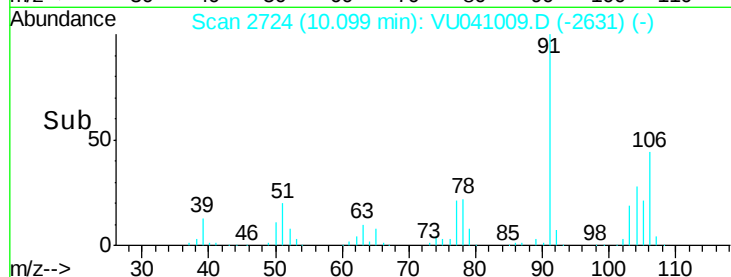
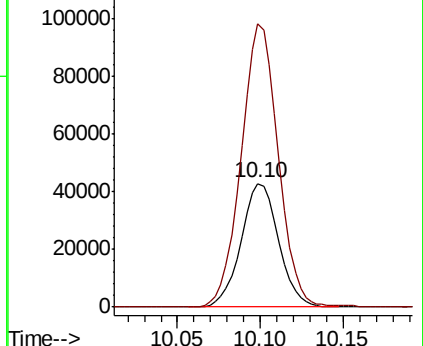
106 100

91 229.2 158.3 294.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 5.101 ug/L

RT: 10.11 min Scan# 2728

Delta R.T. -0.00 min

Lab File: VU041009.D

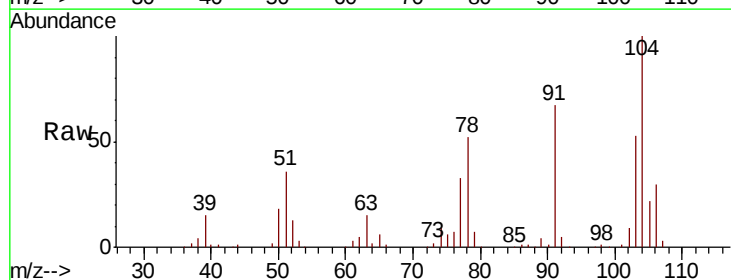
Acq: 29 Oct 2020 10:19

Tgt Ion:104 Resp: 118901

Ion Ratio Lower Upper

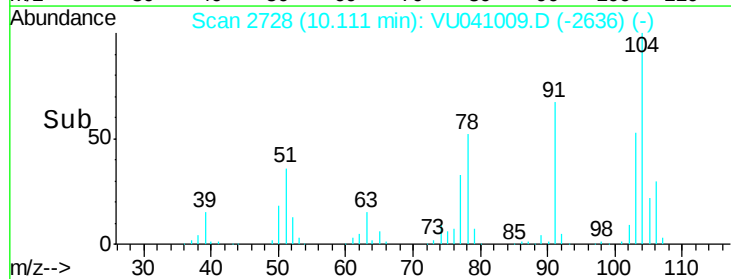
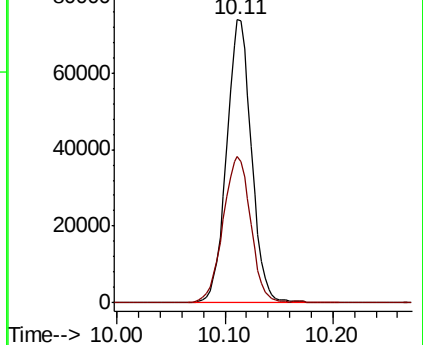
104 100

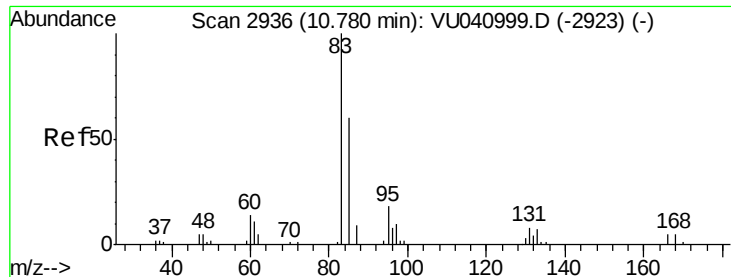
78 51.9 35.6 66.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0

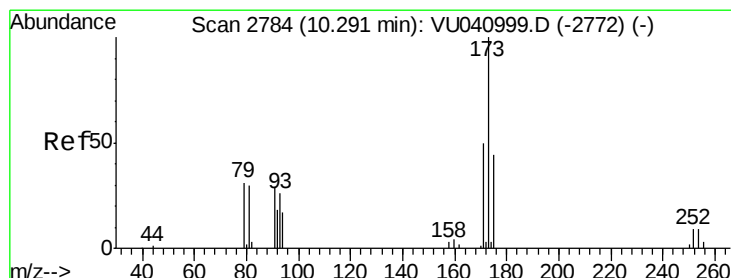
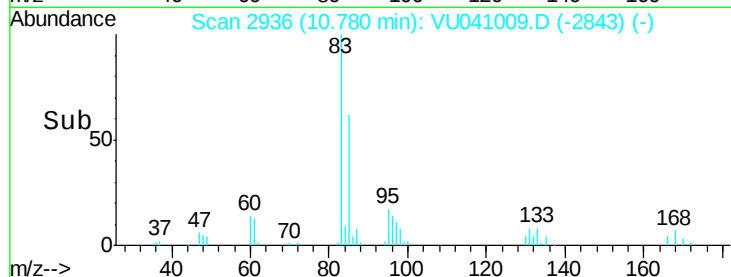
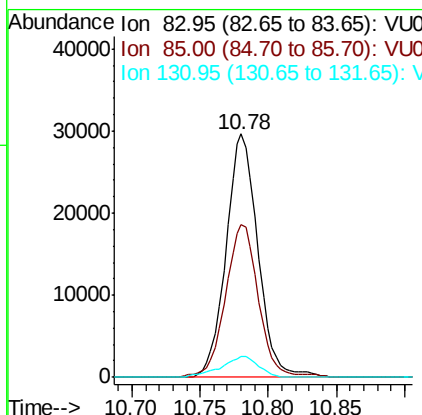
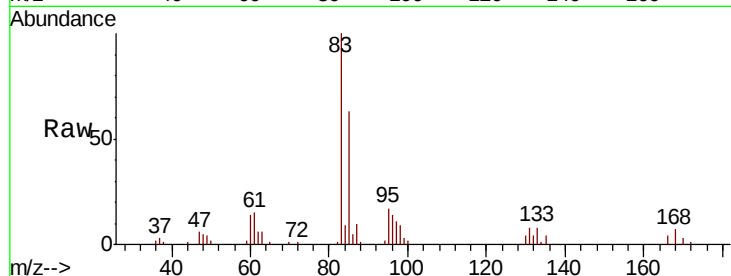




#57
 1,1,2,2-Tetrachloroethane
 Concen: 4.973 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

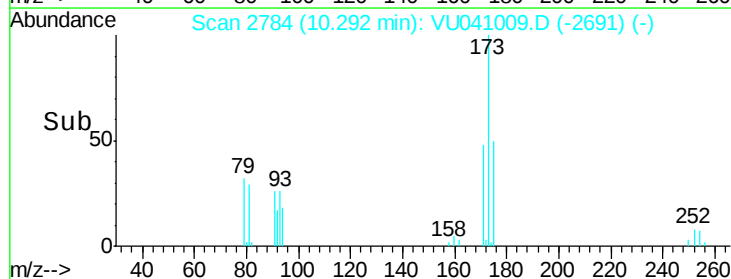
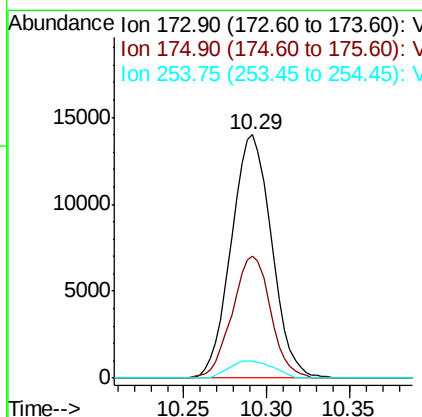
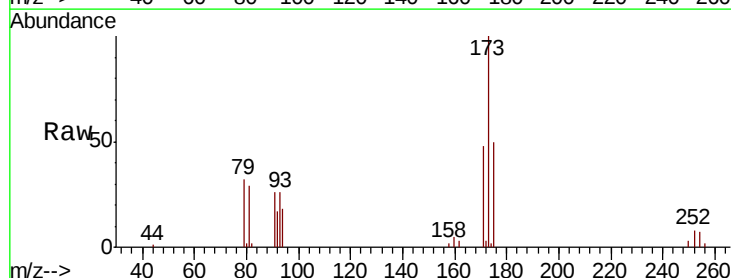
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

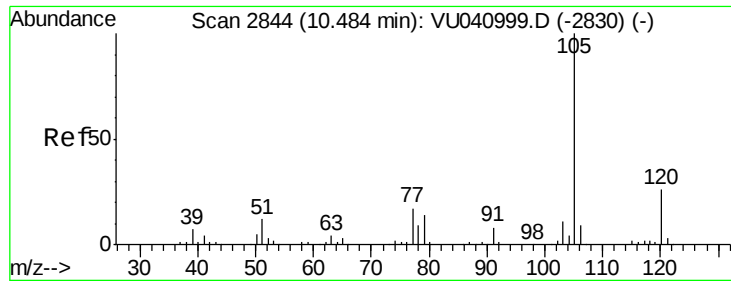
Tot Ion	83	Resp	48087
Ion	Ratio	Lower	Upper
83	100		
85	62.7	42.1	78.3
131	8.4	6.7	10.1



#59
 Bromoform
 Concen: 4.696 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion	173	Resp	23722
Ion	Ratio	Lower	Upper
173	100		
175	47.8	36.7	55.1
254	7.7	6.5	9.7





#60

Isopropylbenzene

Concen: 4.792 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

Instrument :

MSVOA_U

ClientSampleId :

VSTD00511

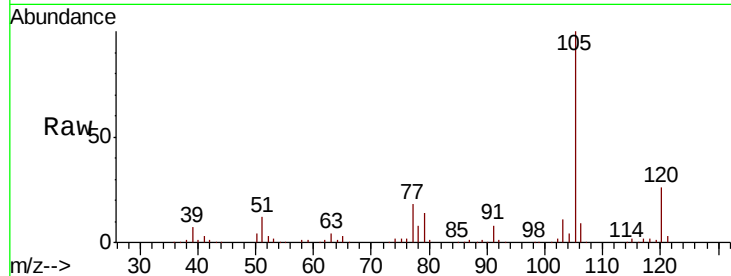
Tot Ion:105 Resp: 180129

Ion Ratio Lower Upper

105 100

120 25.8 20.2 30.4

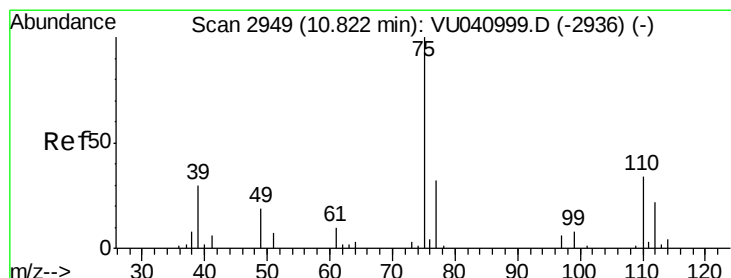
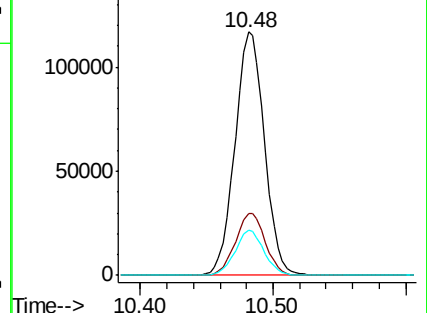
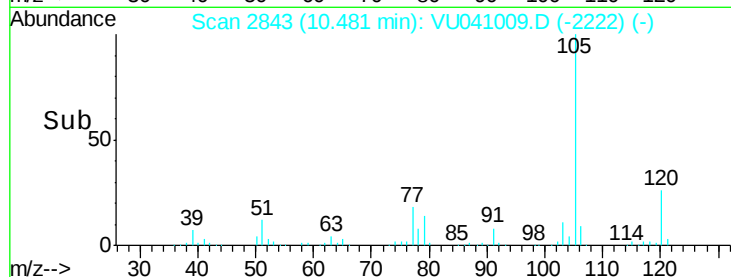
77 18.2 14.4 21.6



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: 4.535 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU041009.D

Acq: 29 Oct 2020 10:19

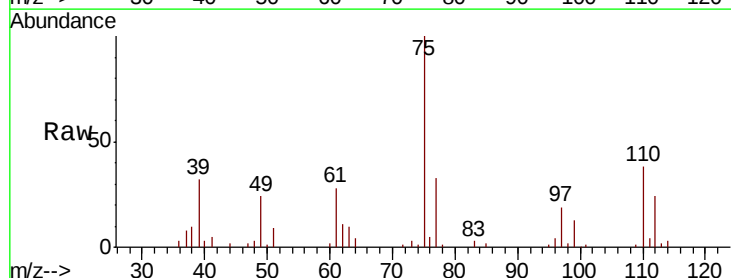
Tgt Ion: 75 Resp: 35428

Ion Ratio Lower Upper

75 100

110 36.9 27.5 41.3

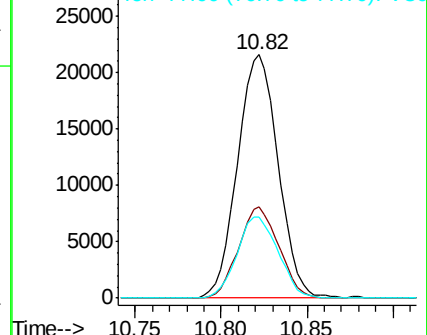
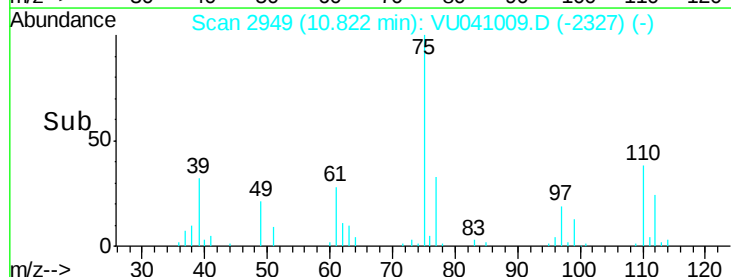
77 33.7 24.9 37.3

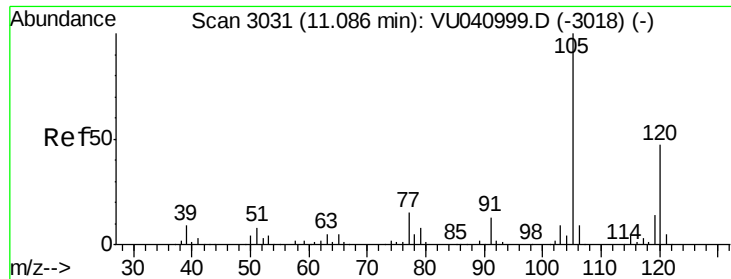


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

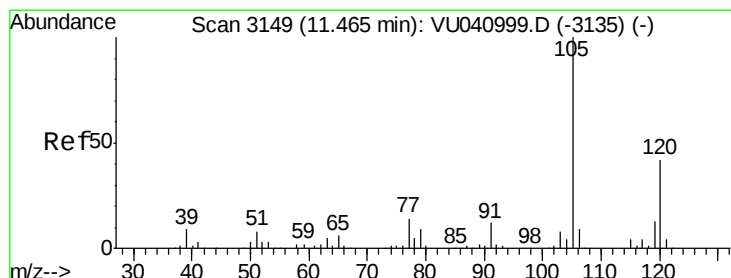
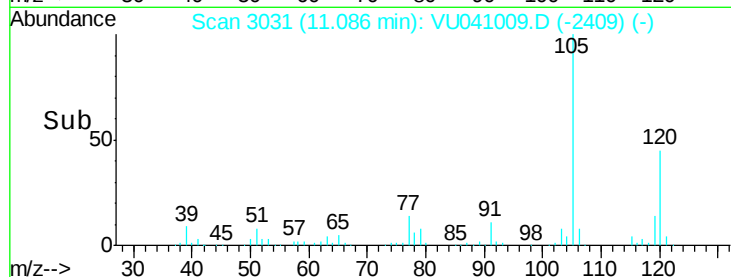
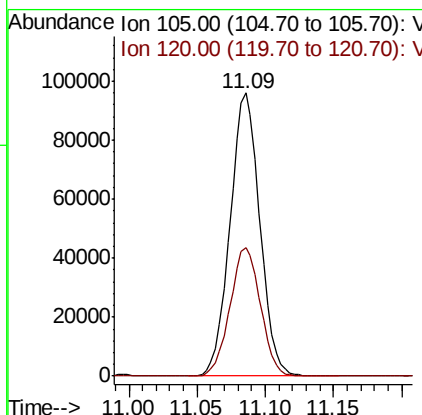
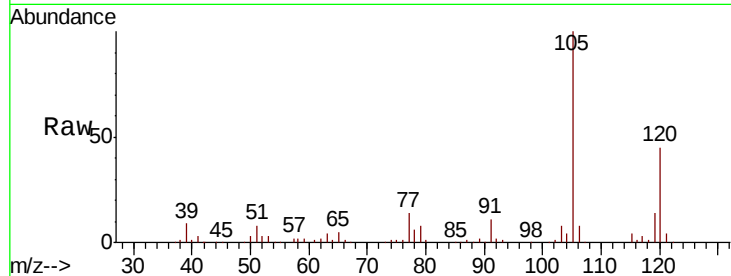




#62
 1,3,5-Trimethylbenzene
 Concen: 4.813 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

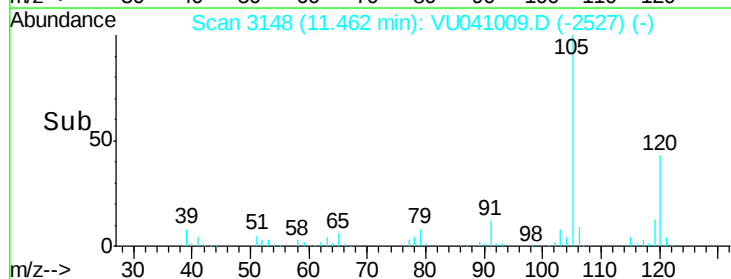
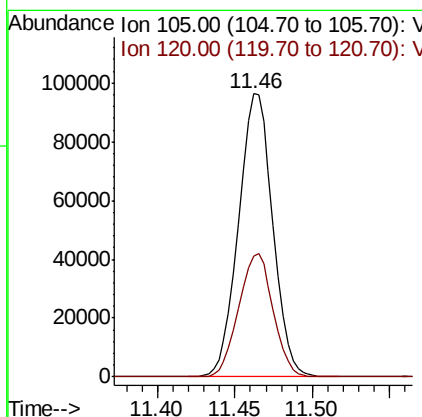
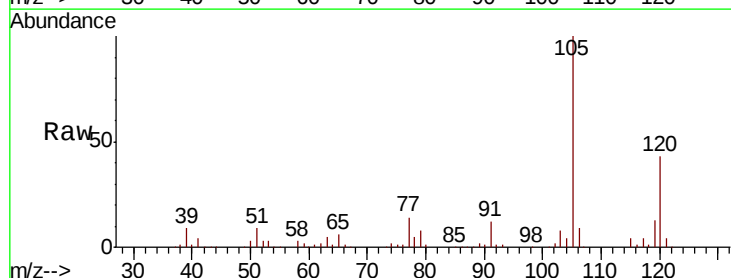
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

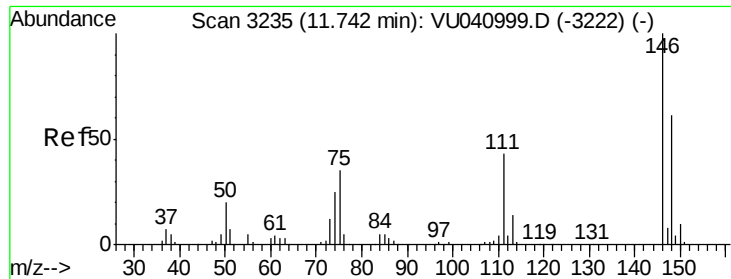
Tot Ion:105 Resp: 145180
 Ion Ratio Lower Upper
 105 100
 120 46.4 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.850 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. -0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion:105 Resp: 148240
 Ion Ratio Lower Upper
 105 100
 120 43.7 34.6 52.0

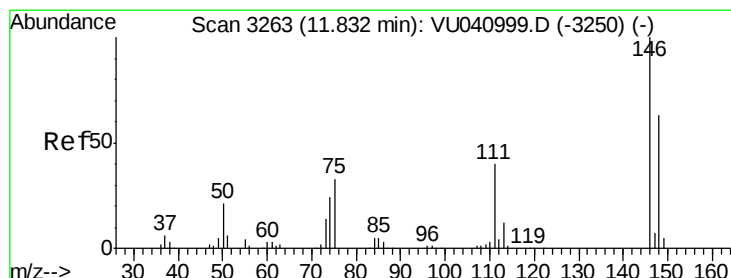
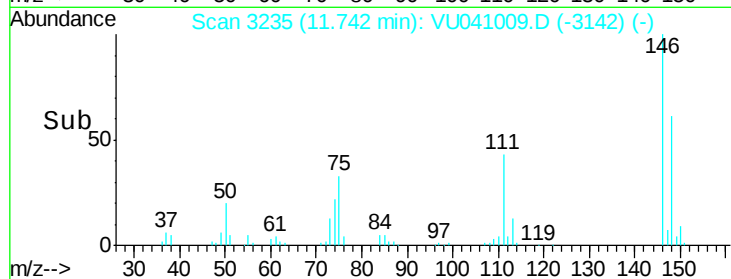
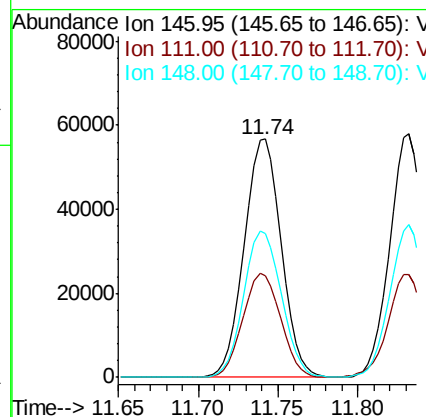
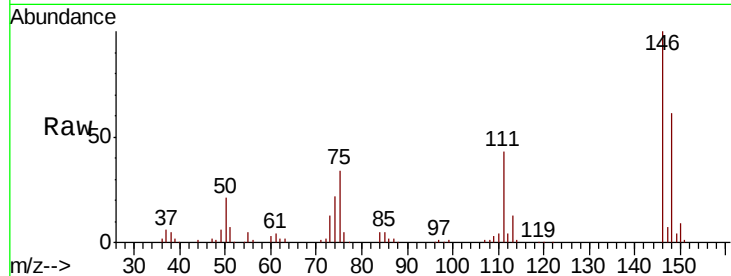




#64
 1,3-Dichlorobenzene
 Concen: 4.770 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

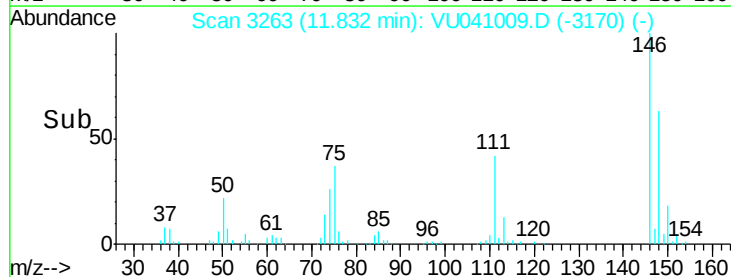
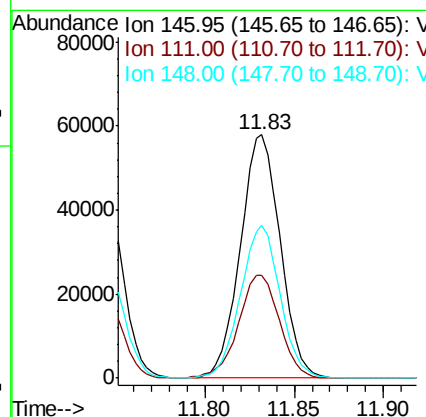
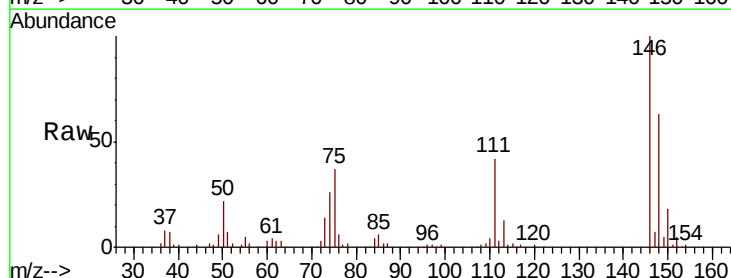
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

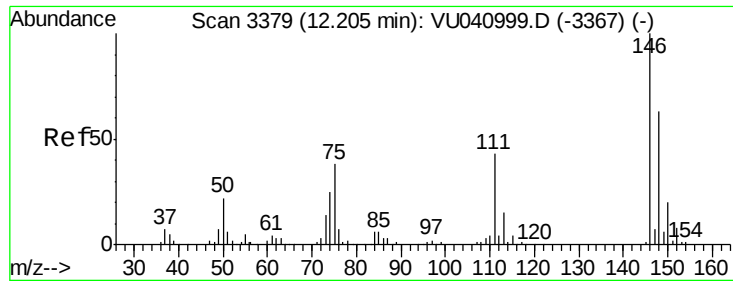
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	30.2	56.0
148	60.6	42.9	79.7



#65
 1,4-Dichlorobenzene
 Concen: 4.692 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	28.3	52.7
148	62.9	44.1	81.9

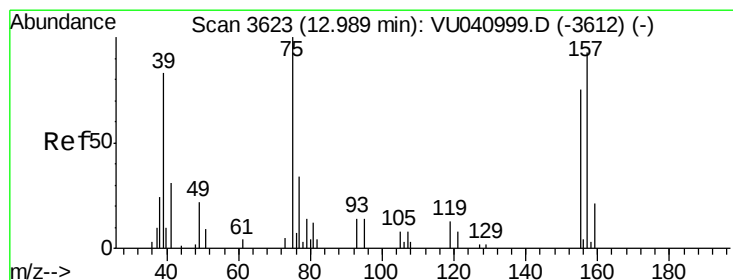
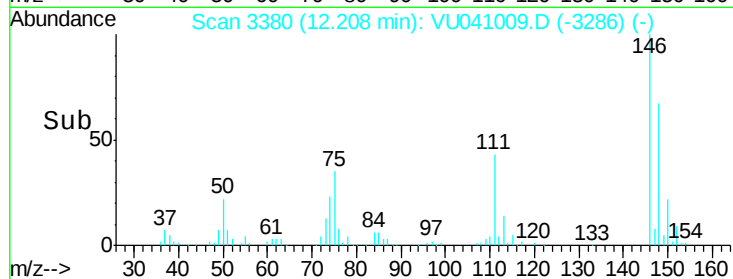
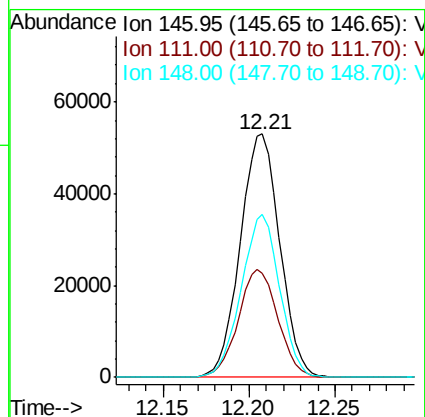
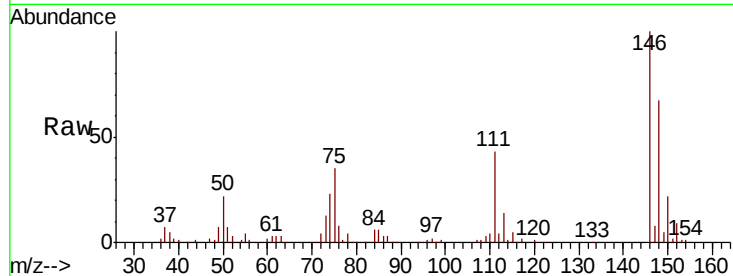




#67
 1,2-Dichlorobenzene
 Concen: 4.649 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

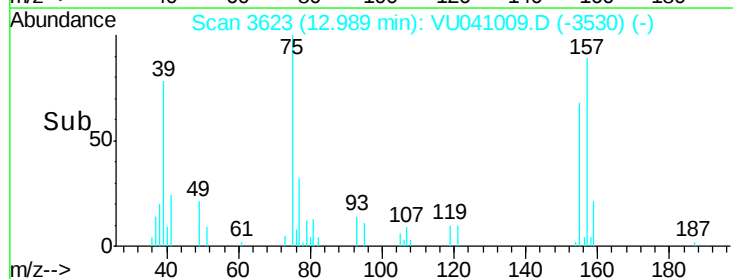
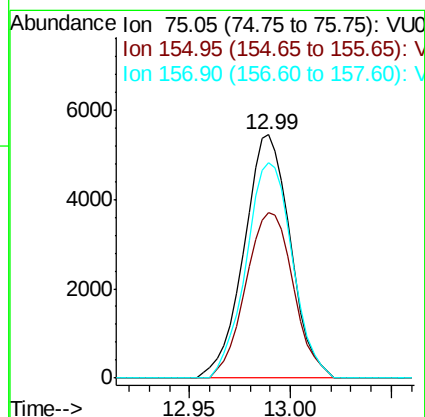
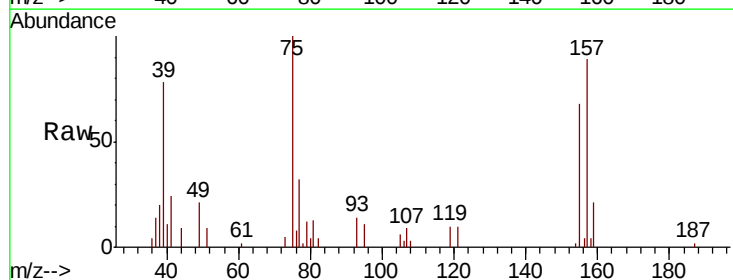
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

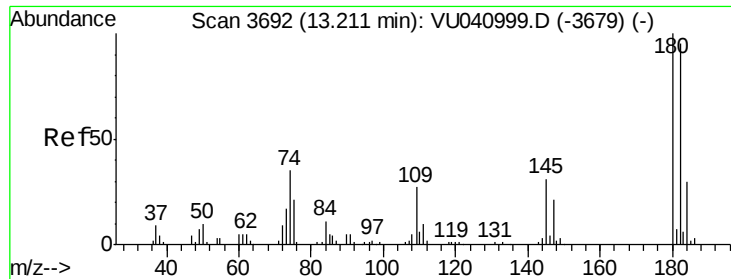
Tot Ion:146 Resp: 84535
 Ion Ratio Lower Upper
 146 100
 111 43.0 34.7 52.1
 148 66.8 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.859 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion: 75 Resp: 8750
 Ion Ratio Lower Upper
 75 100
 155 68.2 60.2 90.2
 157 88.7 74.4 111.6

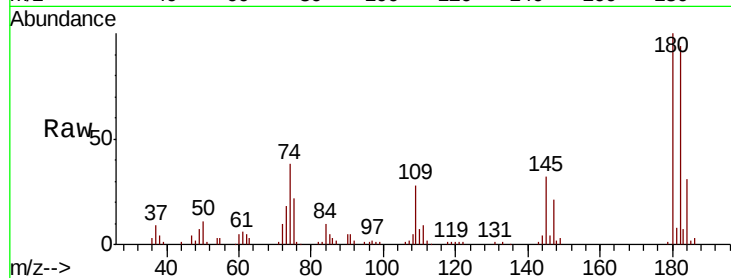




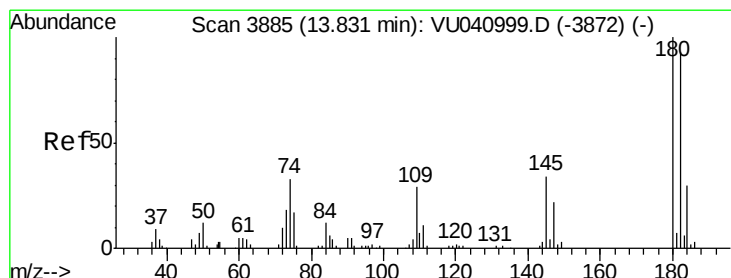
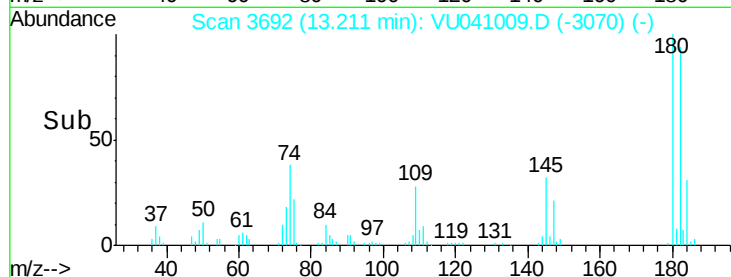
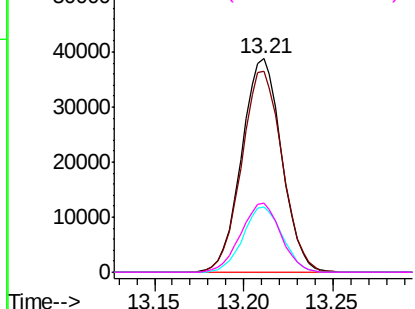
#69
 1,3,5-Trichlorobenzene
 Concen: 4.714 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00511

Tot Ion:180 Resp: 60670
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.9 115.3
 184 30.0 23.8 35.8
 145 32.4 25.2 37.8

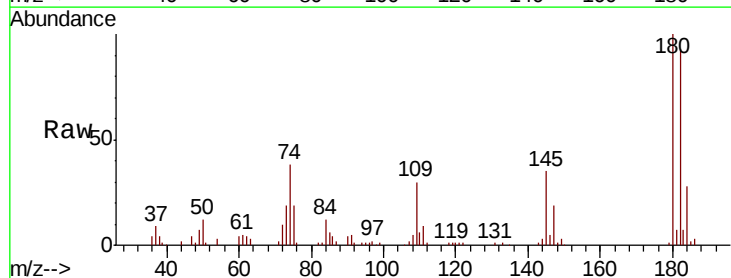


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

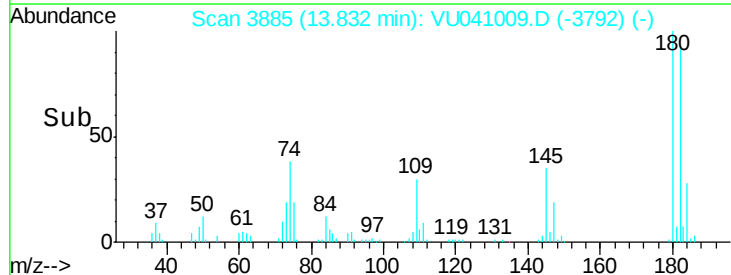
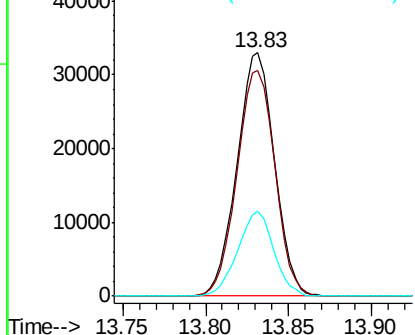


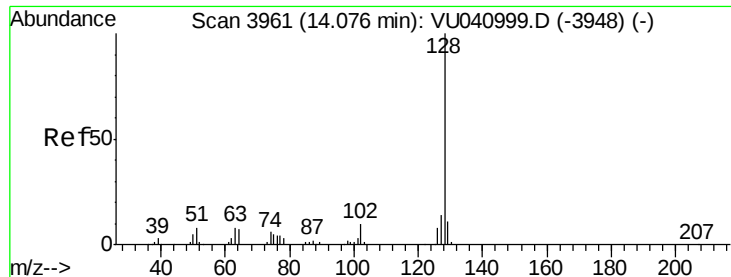
#70
 1,2,4-trichlorobenzene
 Concen: 4.779 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU041009.D
 Acq: 29 Oct 2020 10:19

Tgt Ion:180 Resp: 51803
 Ion Ratio Lower Upper
 180 100
 182 94.0 74.5 111.7
 145 33.4 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

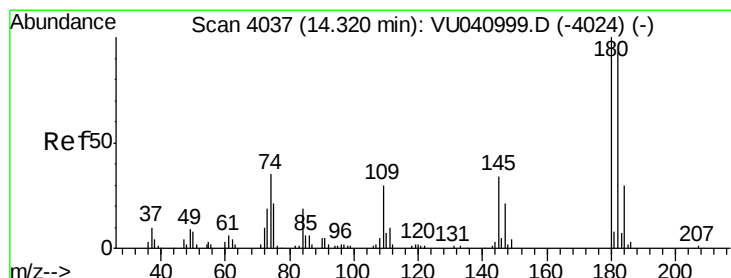
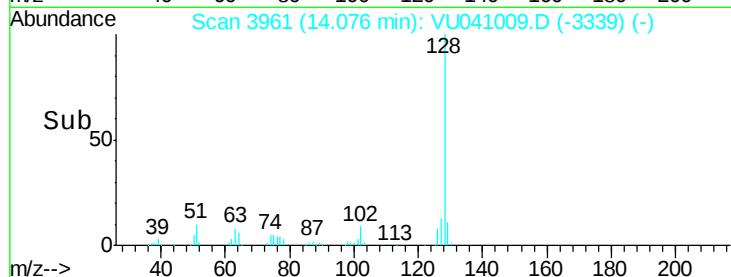
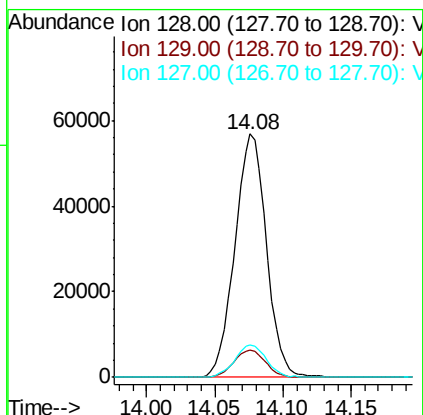
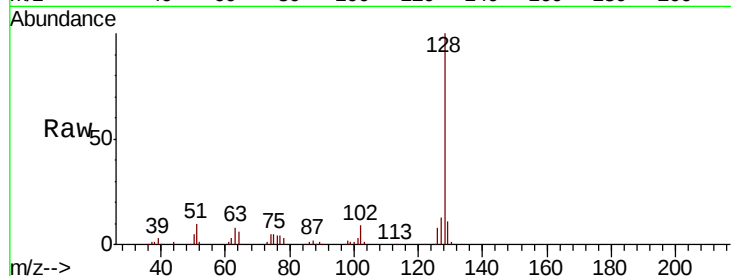




#71
Naphthalene
Concen: 4.820 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Instrument :
MSVOA_U
ClientSampleId :
VSTD00511

Tot Ion:128 Resp: 91471
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.3 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 4.732 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU041009.D
Acq: 29 Oct 2020 10:19

Tgt Ion:180 Resp: 48053
Ion Ratio Lower Upper
180 100
182 95.4 76.7 115.1
145 36.6 27.4 41.0

