

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU040993.D
 Acq On : 28 Oct 2020 11:46
 Operator : SY/MD
 Sample : VSTD00504
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Quant Time: Oct 29 01:30:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR102820WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 01:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	66545	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67384	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	34606	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	23672	5.34	ug/L	0.00
7) Chloroethane-d5	1.92	69	19736	5.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	11366	5.06	ug/L	0.00
20) 2-Butanone-d5	4.66	46	89086	52.77	ug/L	0.00
24) Chloroform-d	5.08	84	45811	5.17	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	27373	4.94	ug/L	0.00
32) Benzene-d6	5.74	84	81673	4.68	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	27242	4.69	ug/L	0.00
41) Toluene-d8	7.90	98	73370	4.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	12164	5.13	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	66912	54.35	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	25503	5.12	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	26154	4.42	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	30368	4.508	ug/L 99
3) Chloromethane	1.53	50	31319	4.687	ug/L 99
5) Vinyl chloride	1.61	62	32036	4.840	ug/L 100
6) Bromomethane	1.87	94	16328	4.627	ug/L 97
8) Chloroethane	1.94	64	20041	5.103	ug/L 97
9) Trichlorofluoromethane	2.15	101	42769	4.789	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	25797	4.739	ug/L 98
12) 1,1-Dichloroethene	2.59	96	23495	4.604	ug/L 89
13) Acetone	2.68	43	66835	53.402	ug/L 74
14) Carbon disulfide	2.81	76	76293	4.351	ug/L 99
15) Methyl Acetate	2.97	43	14874	4.788	ug/L 99
16) Methylene chloride	3.06	84	26383	4.132	ug/L 98
17) Methyl tert-butyl Ether	3.38	73	60762	4.553	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	23577	4.441	ug/L 97
19) 1,1-Dichloroethane	3.89	63	48051	4.554	ug/L 99
21) 2-Butanone	4.74	43	102659	50.007	ug/L 99
22) cis-1,2-Dichloroethene	4.68	96	25111	4.496	ug/L 96
23) Bromochloromethane	4.99	128	12512	4.742	ug/L 97
25) Chloroform	5.10	83	50595	4.777	ug/L 99
27) 1,2-Dichloroethane	5.81	62	36950	4.823	ug/L # 94
29) 1,1,1-Trichloroethane	5.33	97	41918	4.509	ug/L 98
30) Cyclohexane	5.40	56	40492	4.109	ug/L 98
31) Carbon tetrachloride	5.54	117	35959	4.540	ug/L 95
33) Benzene	5.79	78	102713	4.502	ug/L 100
34) Trichloroethene	6.55	95	25535	4.333	ug/L 99
35) Methylcyclohexane	6.77	83	38364	4.220	ug/L 97
37) 1,2-Dichloropropane	6.80	63	28283	4.418	ug/L 99
38) Bromodichloromethane	7.11	83	35884	4.624	ug/L 92
39) cis-1,3-Dichloropropene	7.61	75	36802	4.285	ug/L 99
40) 4-Methyl-2-pentanone	7.80	43	228028	47.366	ug/L 99

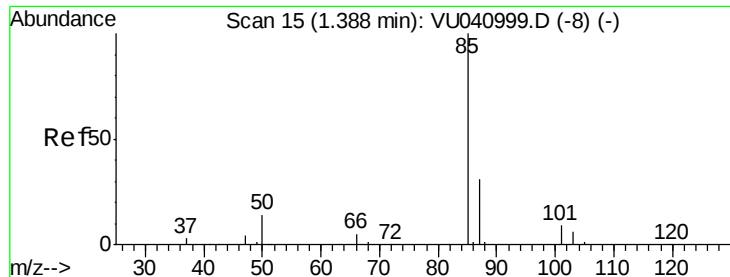
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.97	91	107189	4.644	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	36035	4.541	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	20367	4.680	ug/L	97
47) Tetrachloroethene	8.56	164	19204	4.488	ug/L	96
48) 2-Hexanone	8.69	43	176007	50.015	ug/L	98
49) Dibromochloromethane	8.81	129	24219	4.844	ug/L	98
50) 1,2-Dibromoethane	8.93	107	19442	4.634	ug/L	99
51) Chlorobenzene	9.45	112	65678	4.431	ug/L	97
52) Ethylbenzene	9.57	91	110660	4.397	ug/L	99
53) m,p-Xylene	9.69	106	41433	4.569	ug/L	98
54) o-Xylene	10.10	106	39156	4.485	ug/L	98
55) Styrene	10.11	104	71539	4.745	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.78	83	27202	4.746	ug/L	95
59) Bromoform	10.29	173	13188	4.732	ug/L	97
60) Isopropylbenzene	10.48	105	102701	4.368	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	20436	4.594	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	80179	4.255	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	84695	4.423	ug/L	97
64) 1,3-Dichlorobenzene	11.74	146	51474	4.396	ug/L	98
65) 1,4-Dichlorobenzene	11.83	146	52137	4.313	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	48435	4.395	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	4706	4.493	ug/L	96
69) 1,3,5-Trichlorobenzene	13.21	180	33791	4.120	ug/L	99
70) 1,2,4-trichlorobenzene	13.83	180	28764	4.343	ug/L	98
71) Naphthalene	14.08	128	49110	4.309	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	27782	4.648	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.508 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

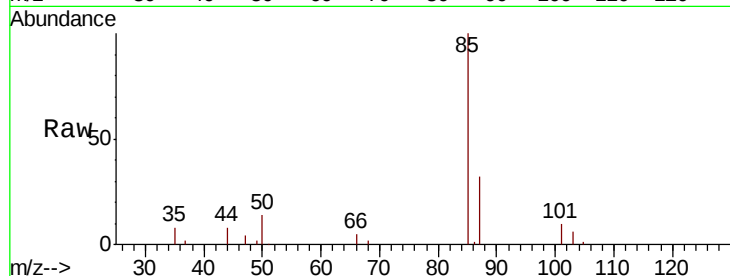
VSTD00504

Tot Ion: 85 Resp: 30368

Ion Ratio Lower Upper

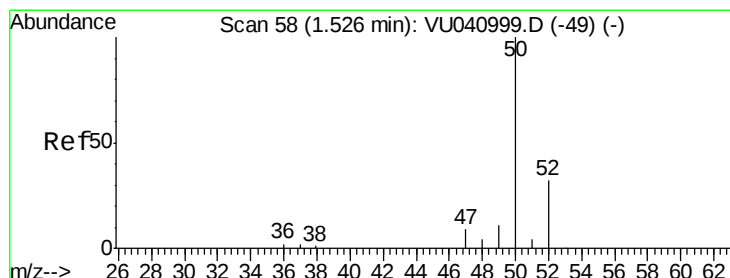
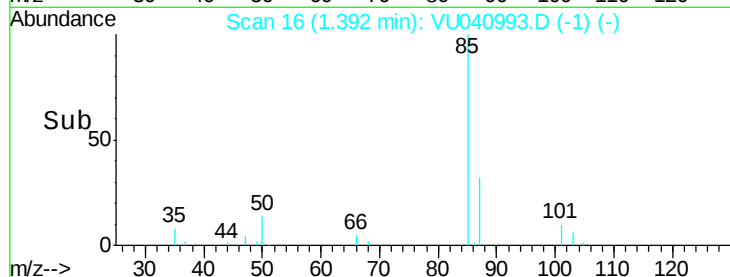
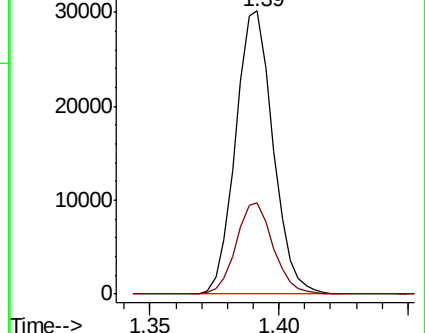
85 100

87 31.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU040993.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040993.D (-8) (-)



#3

Chloromethane

Concen: 4.687 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040993.D

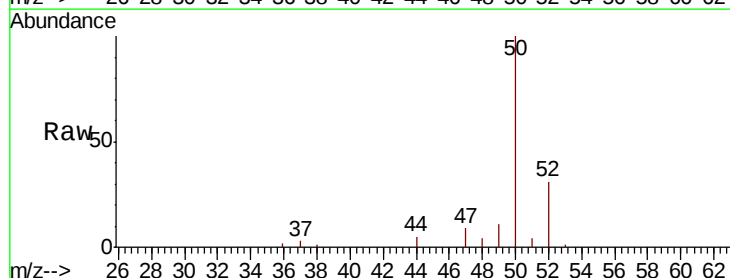
Acq: 28 Oct 2020 11:46

Tgt Ion: 50 Resp: 31319

Ion Ratio Lower Upper

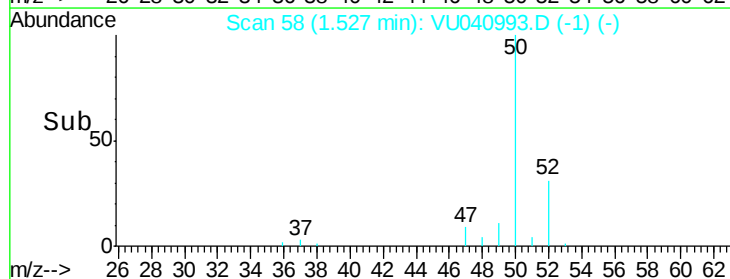
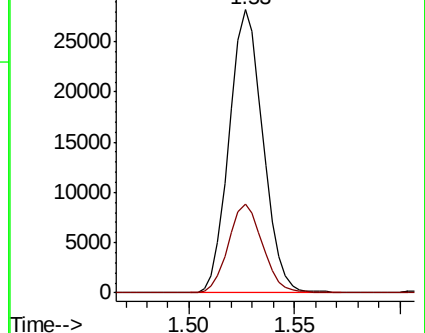
50 100

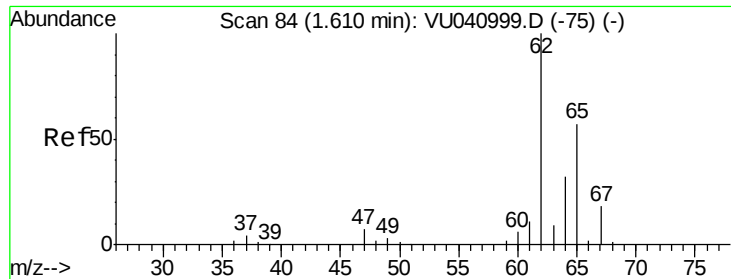
52 31.5 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040993.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040993.D (-49) (-)





#5

Vinyl chloride

Concen: 4.840 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

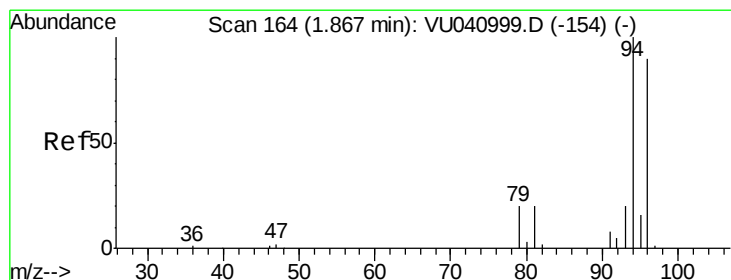
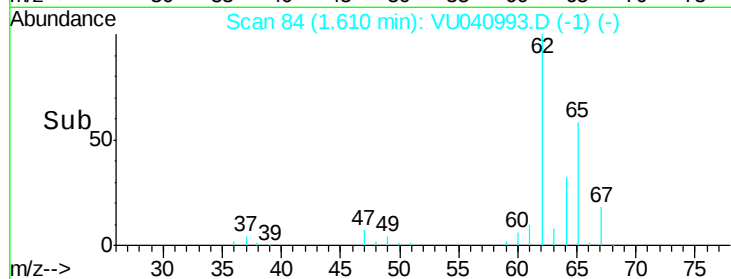
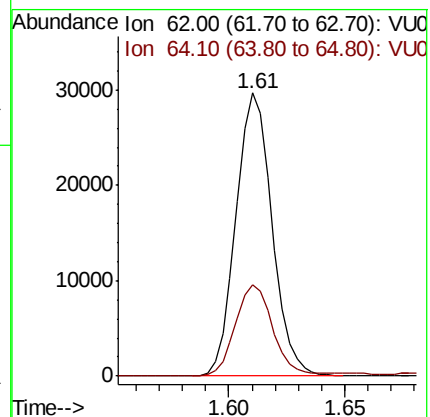
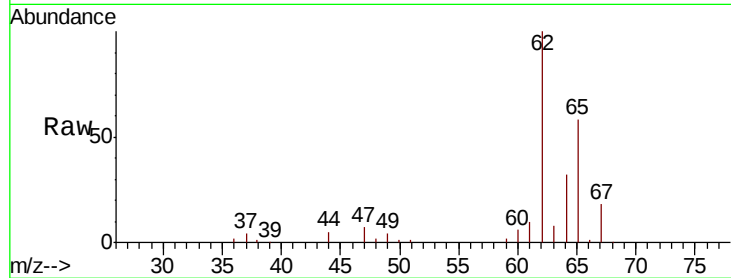
VSTD00504

Tot Ion: 62 Resp: 32036

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.3



#6

Bromomethane

Concen: 4.627 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040993.D

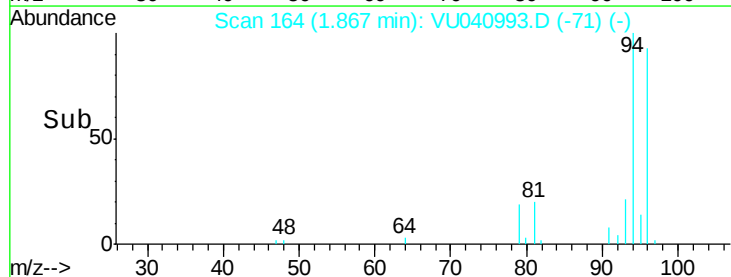
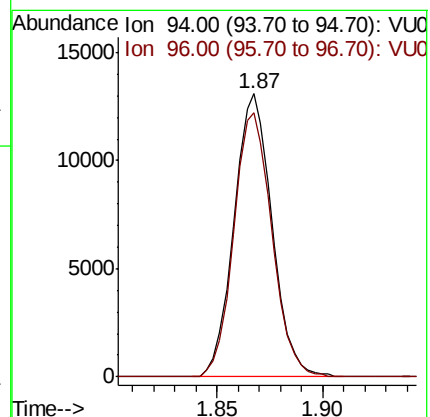
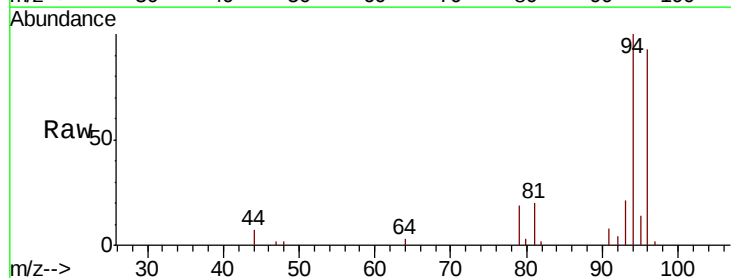
Acq: 28 Oct 2020 11:46

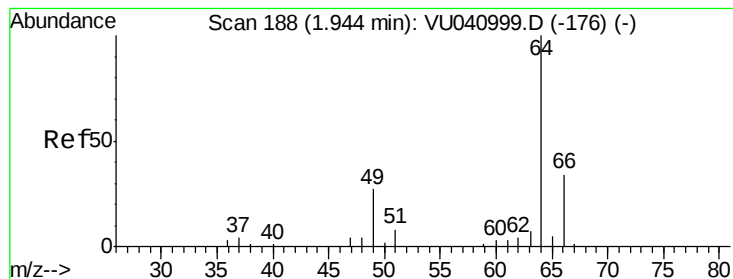
Tgt Ion: 94 Resp: 16328

Ion Ratio Lower Upper

94 100

96 93.3 63.2 117.4





#8

Chloroethane

Concen: 5.103 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

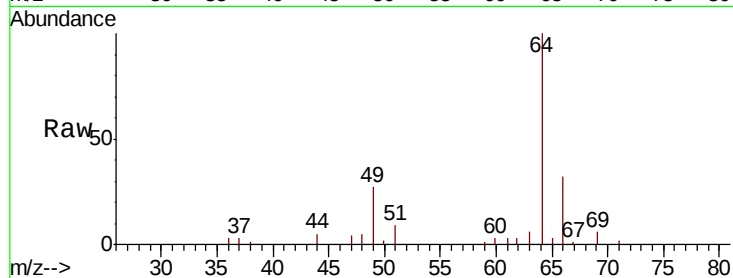
VSTD00504

Tot Ion: 64 Resp: 20041

Ion Ratio Lower Upper

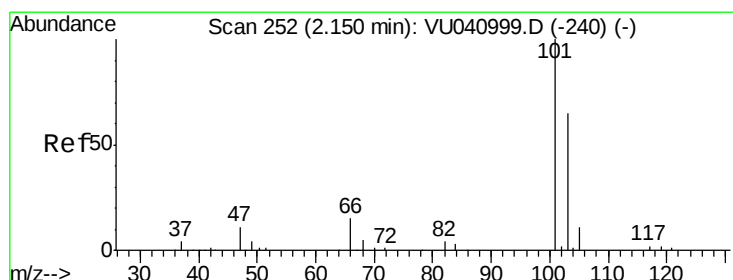
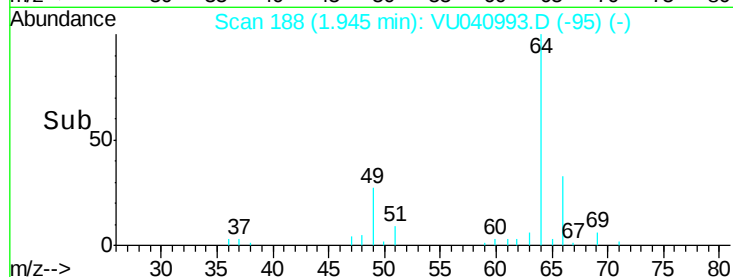
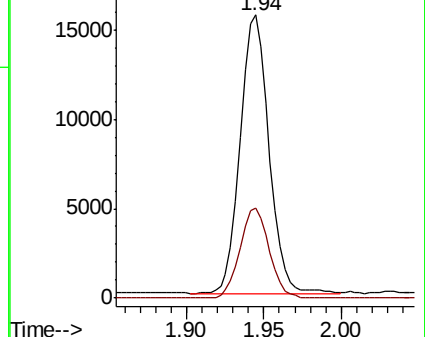
64 100

66 31.9 23.4 43.6



Abundance Ion 64.10 (63.80 to 64.80): VU040993.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040993.D (-176) (-)



#9

Trichlorofluoromethane

Concen: 4.789 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040993.D

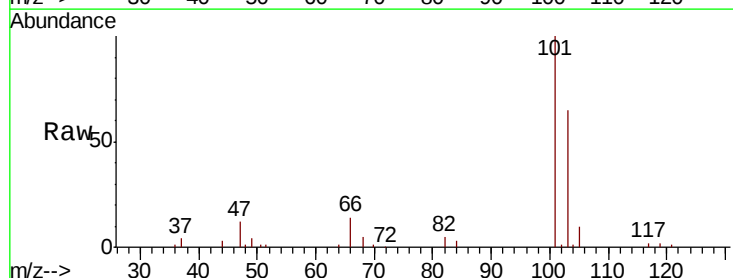
Acq: 28 Oct 2020 11:46

Tgt Ion: 101 Resp: 42769

Ion Ratio Lower Upper

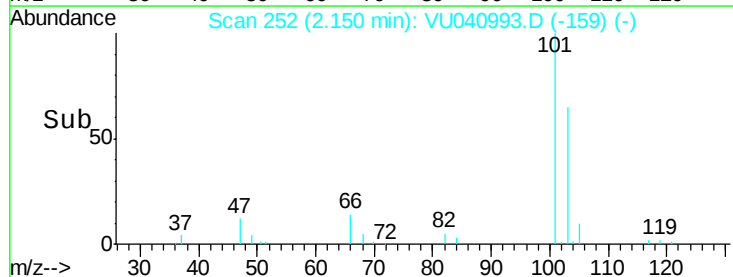
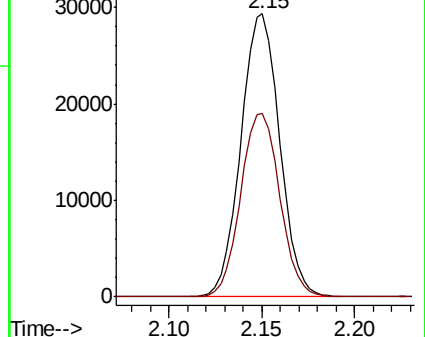
101 100

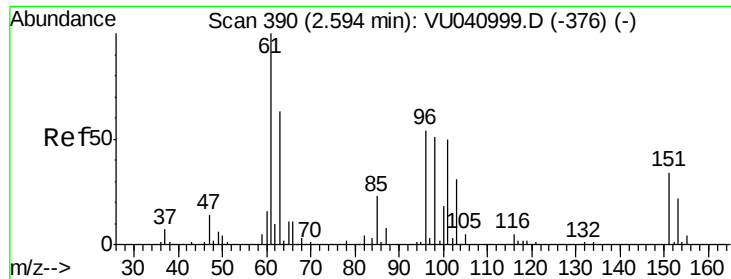
103 65.4 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU040993.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040993.D (-240) (-)





#10

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

Concen: 4.739 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

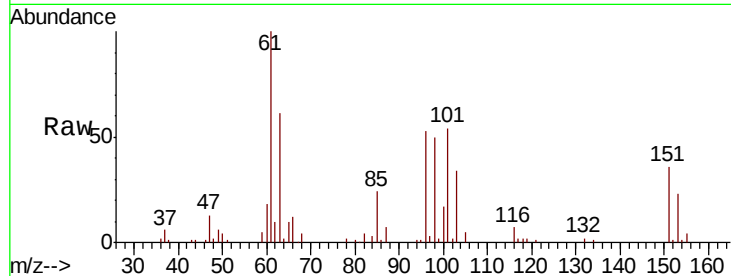
Tot Ion:101 Resp: 25797

Ion Ratio Lower Upper

101 100

85 45.7 38.1 57.1

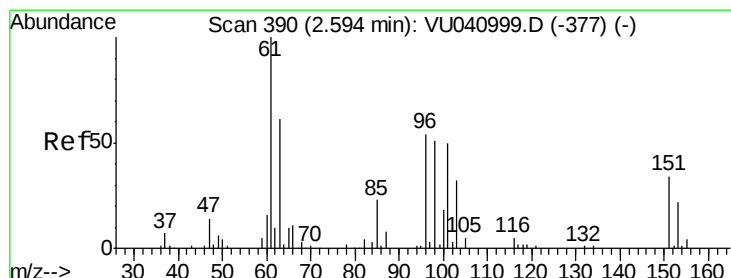
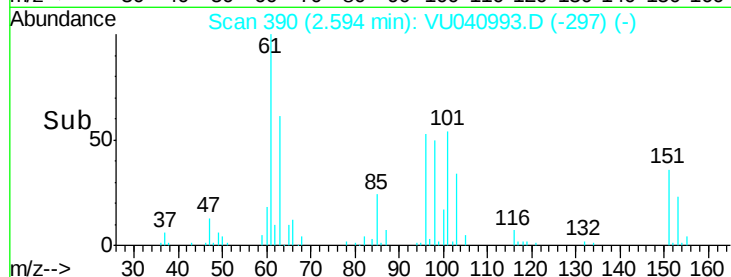
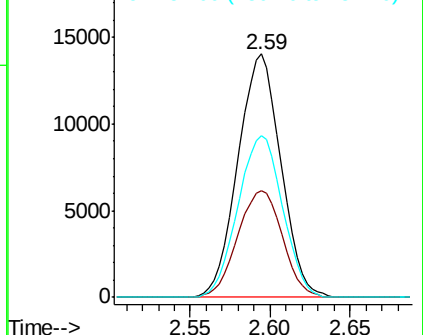
151 69.1 56.0 84.0



Abundance Ion 101.00 (100.70 to 101.70): VU040993.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VU040993.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VU040993.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 4.604 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

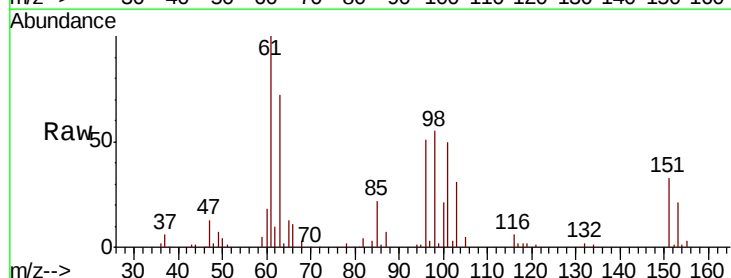
Tgt Ion: 96 Resp: 23495

Ion Ratio Lower Upper

96 100

61 194.5 130.2 241.8

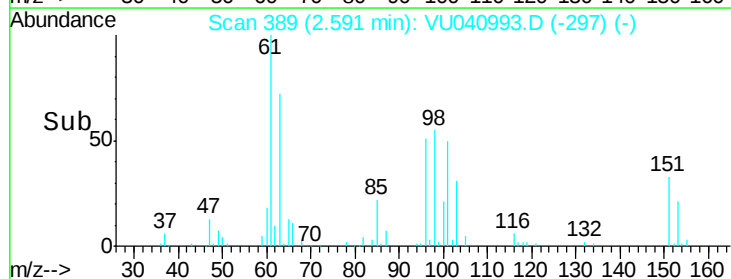
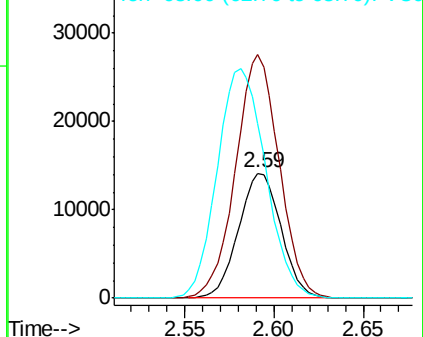
63 139.5 83.7 155.5

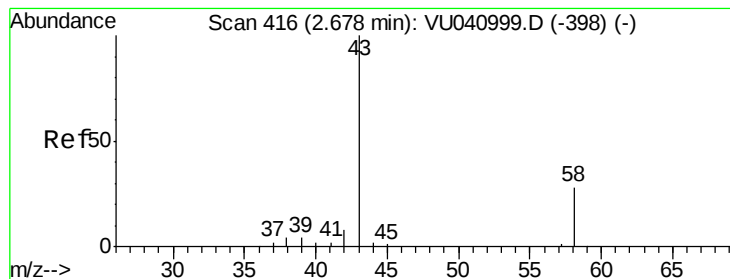


Abundance Ion 96.00 (95.70 to 96.70): VU040993.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040993.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040993.D (-297) (-)





#13

Acetone

Concen: 53.402 ug/L

RT: 2.68 min Scan# 417

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

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ClientSampleId :

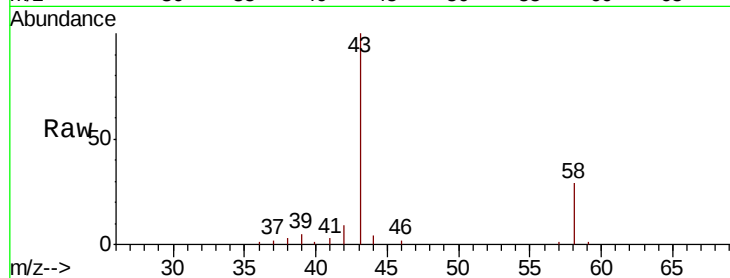
VSTD00504

Tot Ion: 43 Resp: 66835

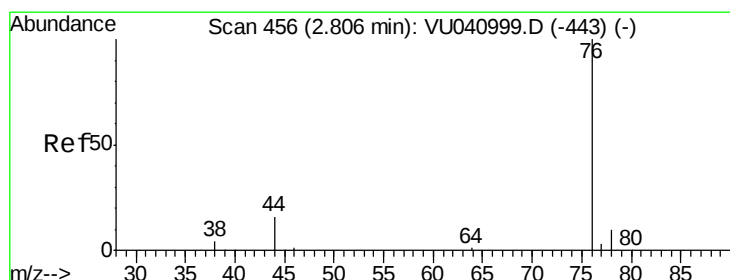
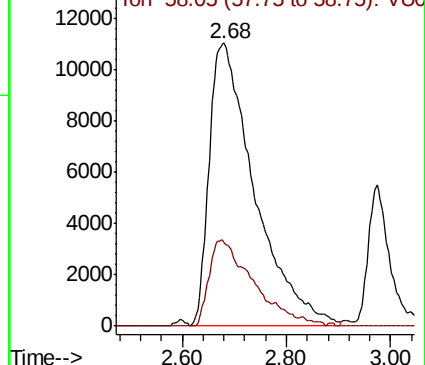
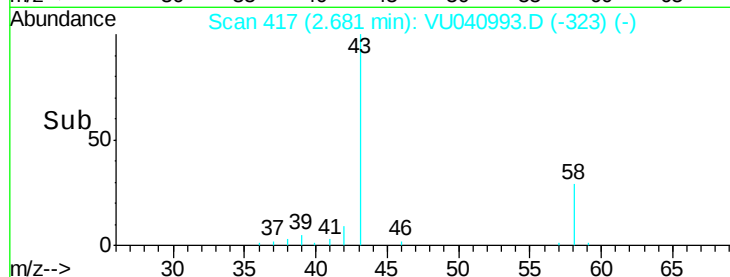
Ion Ratio Lower Upper

43 100

58 26.2 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU040993.D (-323) (-)



#14

Carbon disulfide

Concen: 4.351 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040993.D

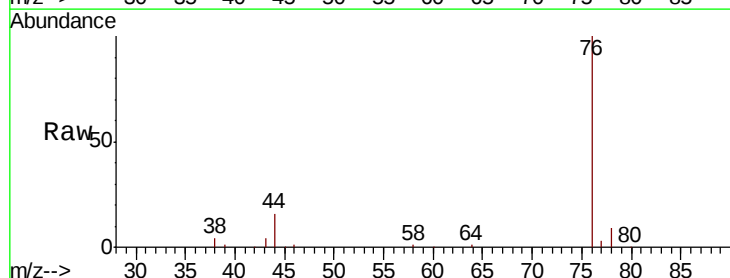
Acq: 28 Oct 2020 11:46

Tgt Ion: 76 Resp: 76293

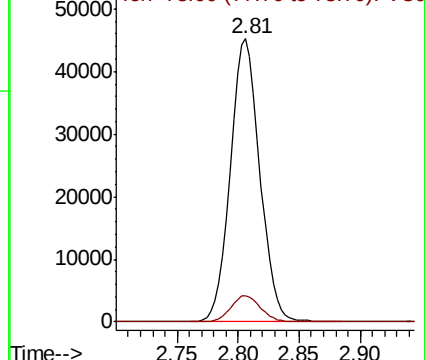
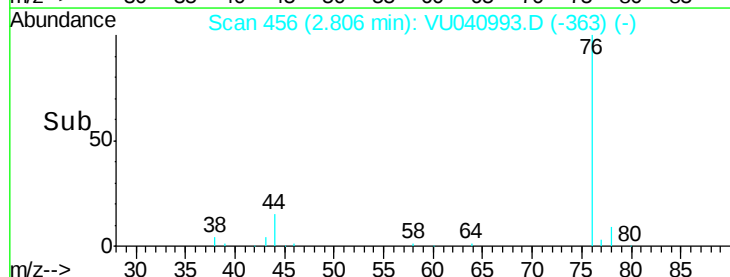
Ion Ratio Lower Upper

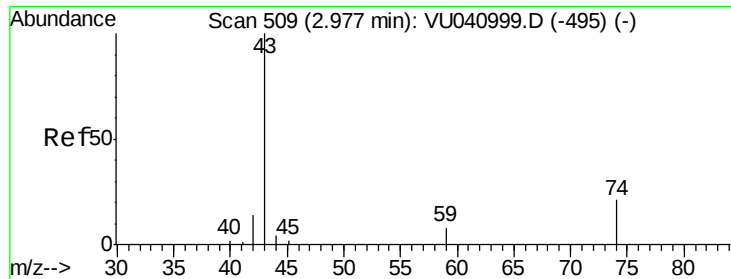
76 100

78 9.4 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU040993.D (-363) (-)





#15

Methvl Acetate

Concen: 4.788 ug/L

RT: 2.97 min Scan# 508

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

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ClientSampleId :

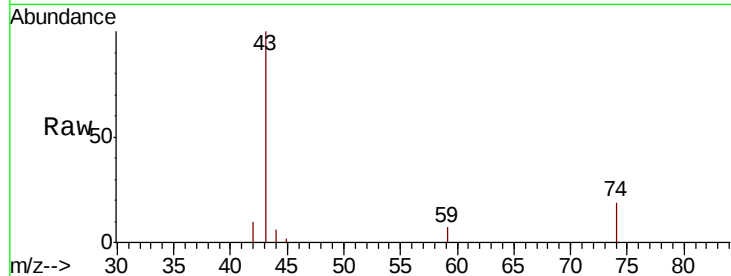
VSTD00504

Tot Ion: 43 Resp: 14874

Ion Ratio Lower Upper

43 100

74 20.1 15.6 23.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

2.97

6000

5000

4000

3000

2000

1000

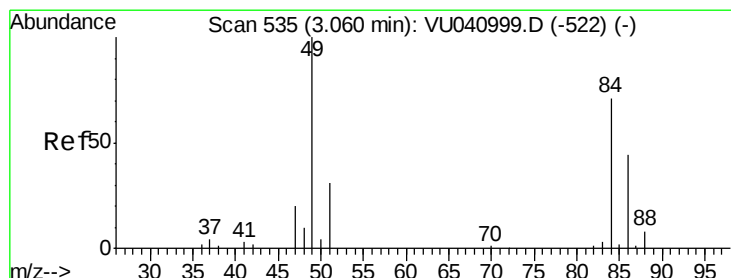
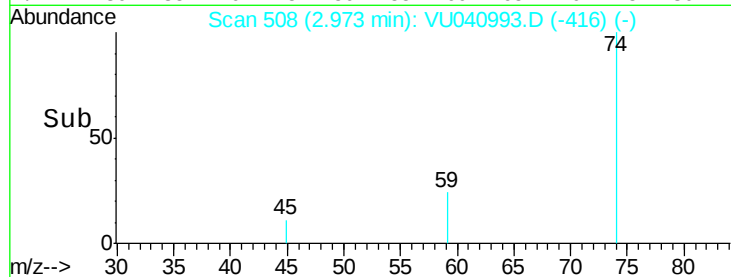
0

Time-->

2.90

3.00

3.10



#16

Methylene chloride

Concen: 4.132 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

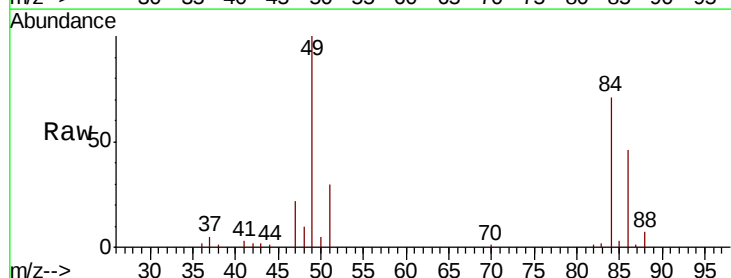
Tgt Ion: 84 Resp: 26383

Ion Ratio Lower Upper

84 100

86 64.9 44.2 82.0

49 140.2 99.3 184.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0

25000

20000

15000

10000

5000

0

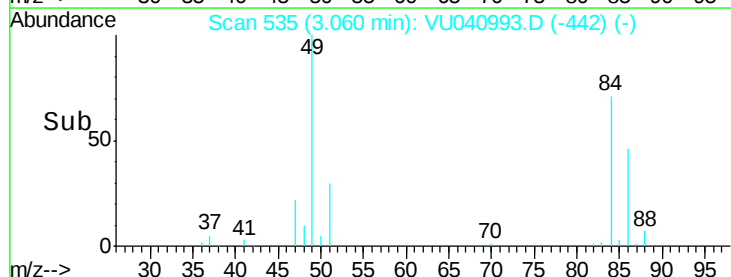
Time-->

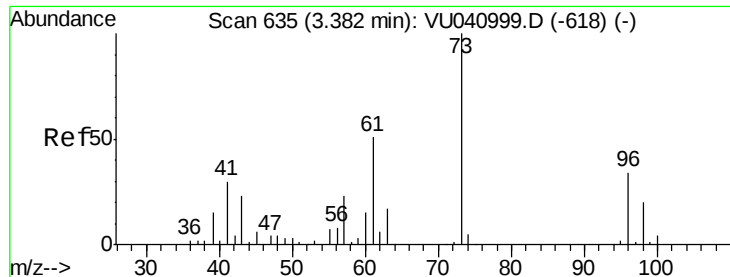
3.00

3.05

3.10

3.15

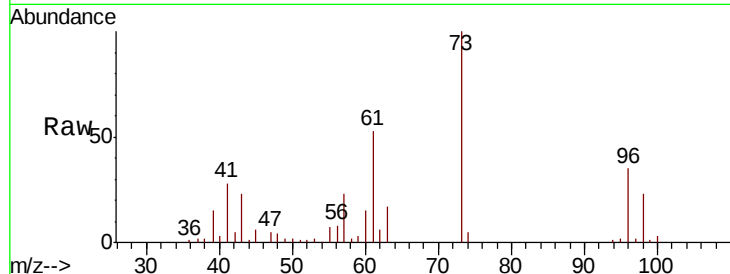




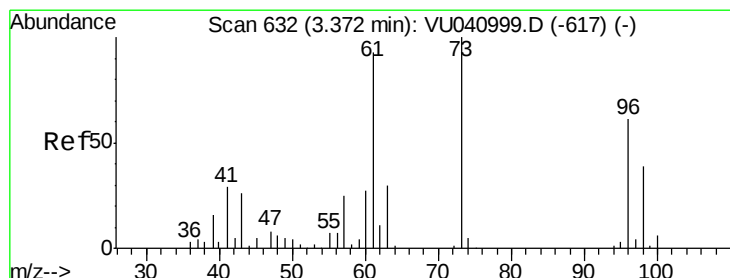
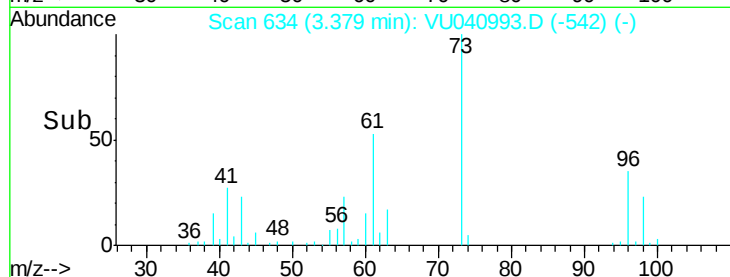
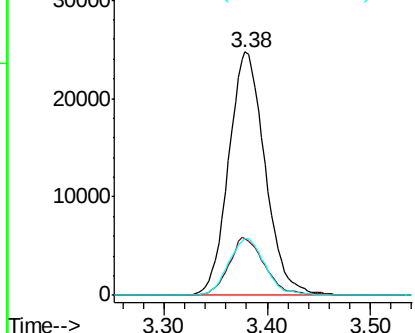
#17
Methvl tert-butvl Ether
Concen: 4.553 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 73 Resp: 60762
Ion Ratio Lower Upper
73 100
43 23.4 19.5 29.3
57 23.4 18.9 28.3

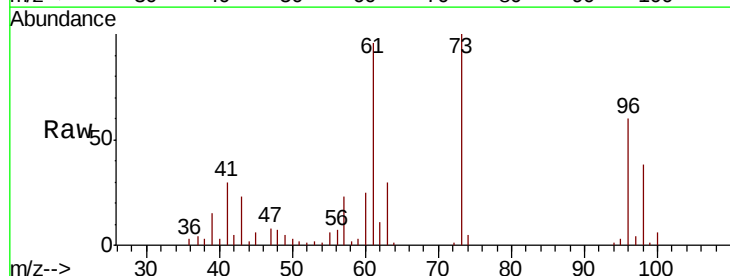


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

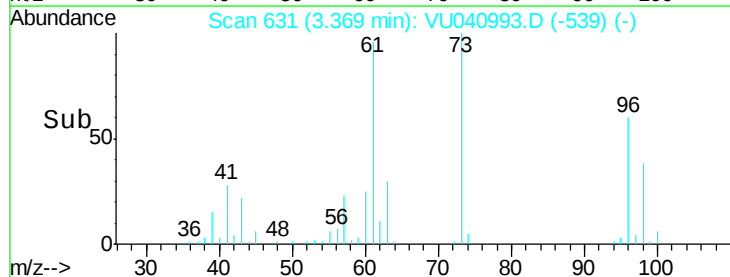
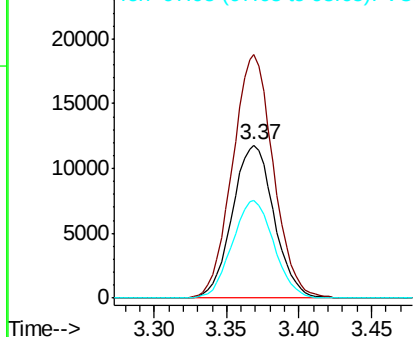


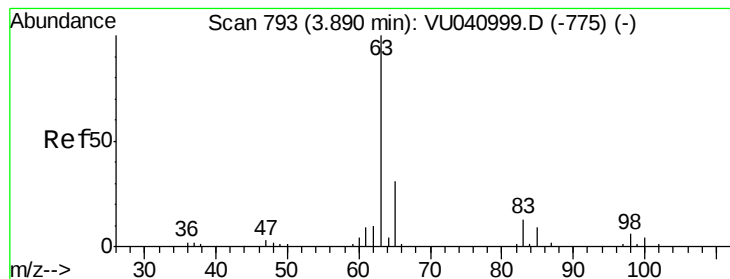
#18
trans-1,2-Dichloroethene
Concen: 4.441 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Tgt Ion: 96 Resp: 23577
Ion Ratio Lower Upper
96 100
61 159.0 107.2 199.0
98 63.7 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: 4.554 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

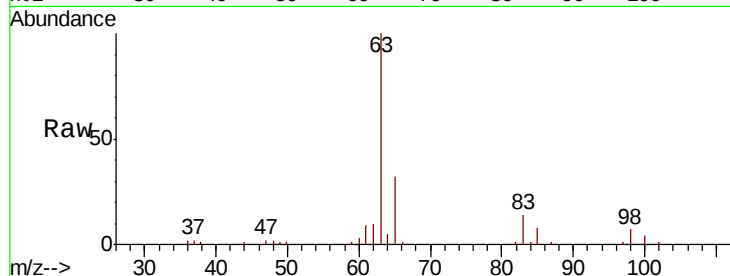
Tot Ion: 63 Resp: 48051

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

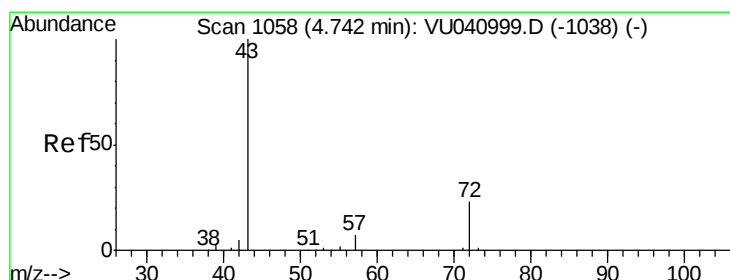
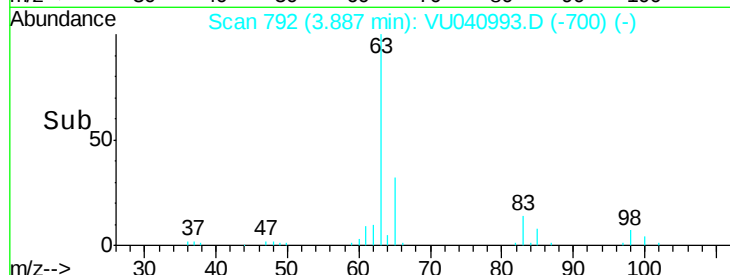
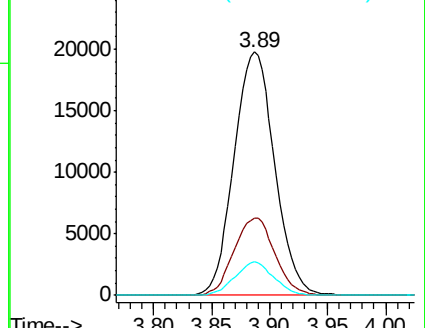
83 13.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU040993.D (-775) (-)

Ion 65.10 (64.80 to 65.80): VU040993.D (-775) (-)

Ion 83.05 (82.75 to 83.75): VU040993.D (-775) (-)



#21

2-Butanone

Concen: 50.007 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU040993.D

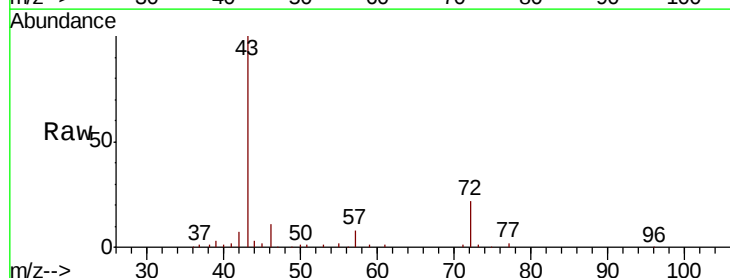
Acq: 28 Oct 2020 11:46

Tgt Ion: 43 Resp: 102659

Ion Ratio Lower Upper

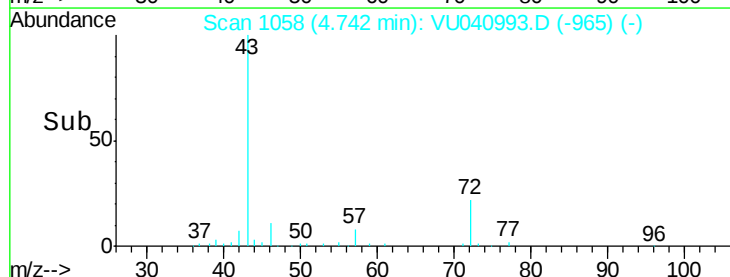
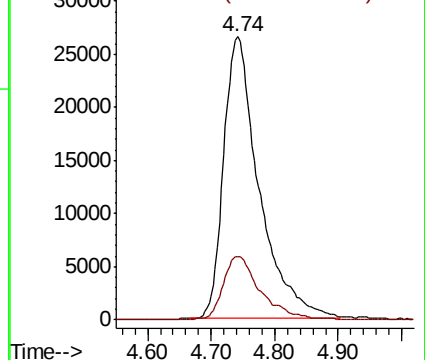
43 100

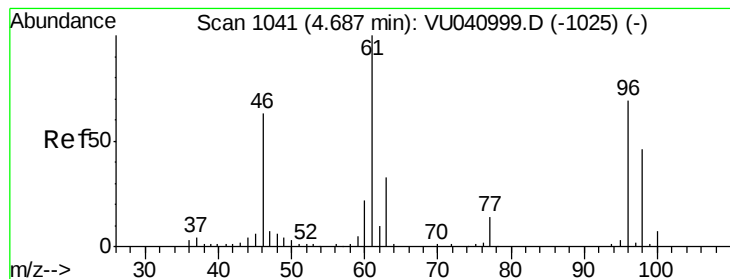
72 23.8 11.6 34.7



Abundance Ion 43.05 (42.75 to 43.75): VU040993.D (-965) (-)

Ion 72.10 (71.80 to 72.80): VU040993.D (-965) (-)





#22

cis-1,2-Dichloroethene

Concen: 4.496 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

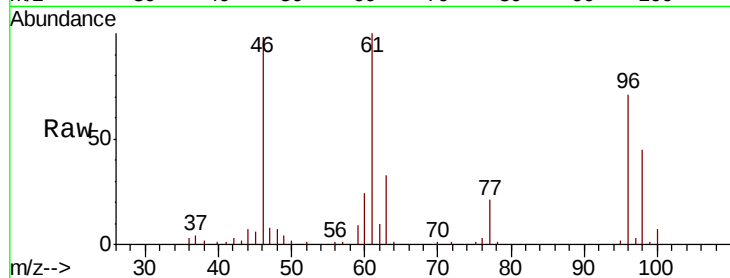
Tot Ion: 96 Resp: 25111

Ion Ratio Lower Upper

96 100

61 140.0 101.7 188.9

98 63.4 46.4 86.2

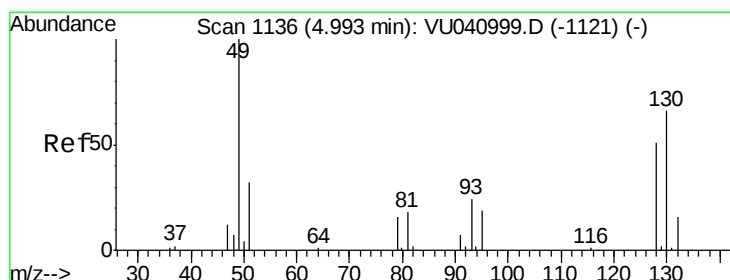
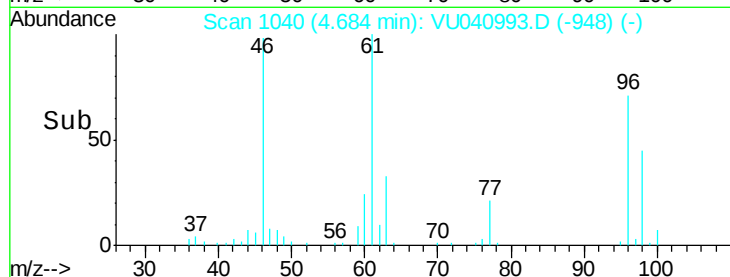
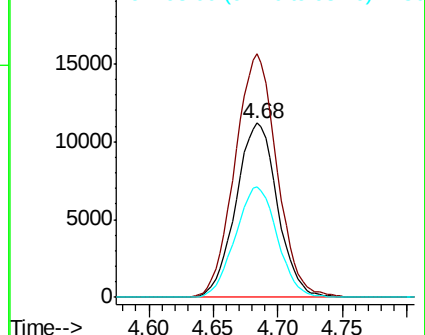


Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 98.00 (97.70 to 98.70): VU0



#23

Bromochloromethane

Concen: 4.742 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Tgt Ion: 128 Resp: 12512

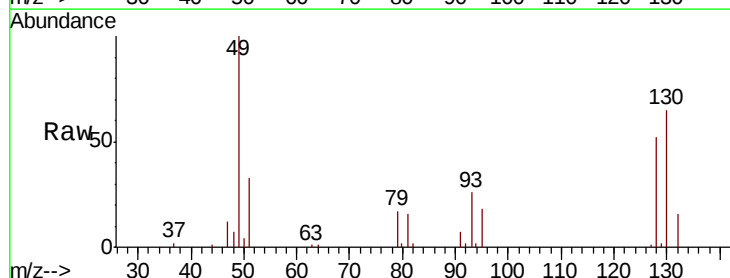
Ion Ratio Lower Upper

128 100

49 190.5 137.5 255.4

130 124.7 90.2 167.4

51 62.5 49.8 74.6



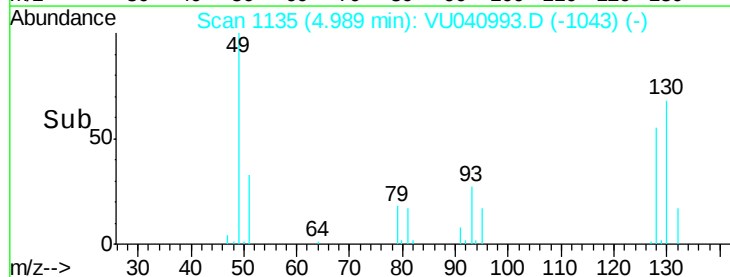
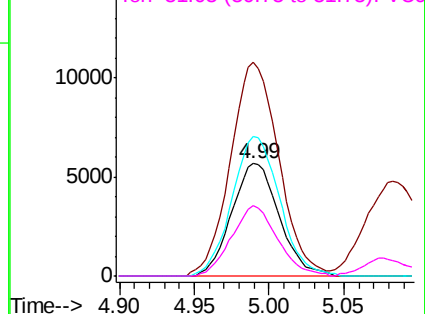
Abundance

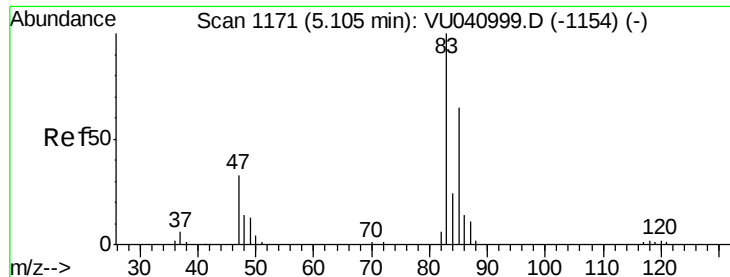
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

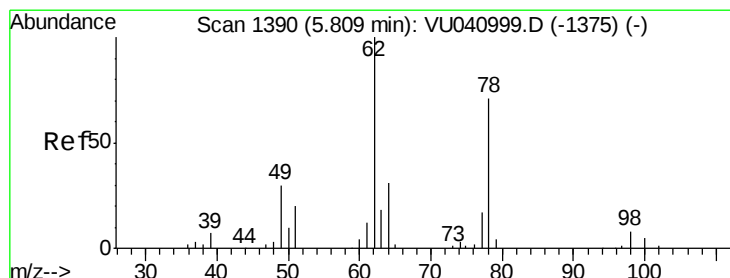
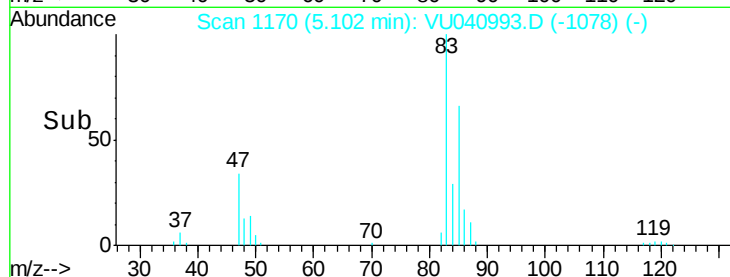
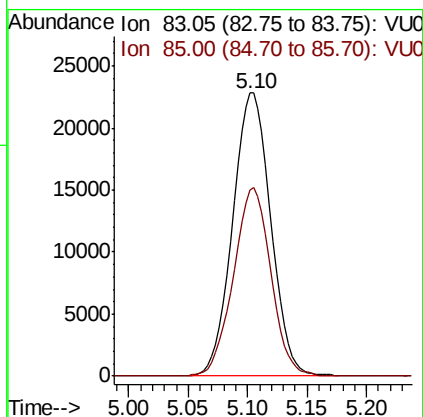
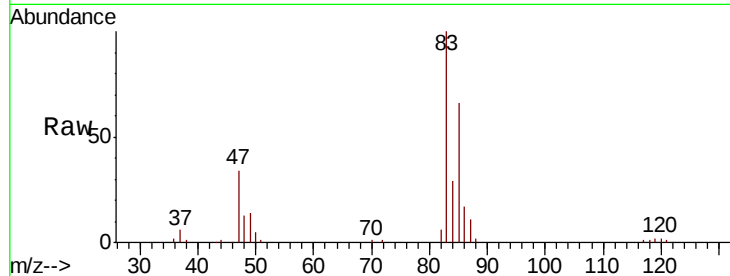




#25
Chloroform
Concen: 4.777 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

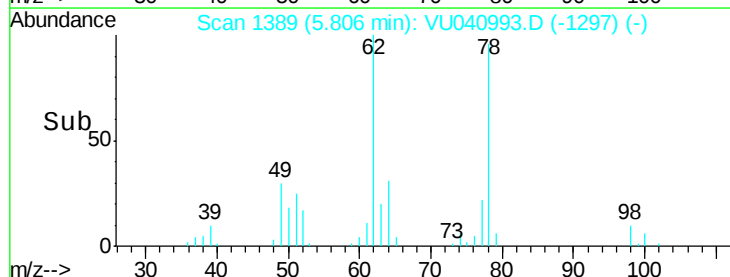
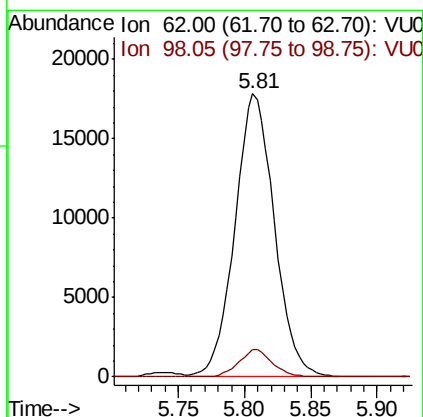
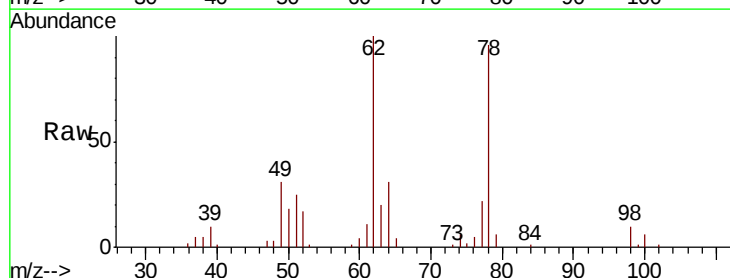
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

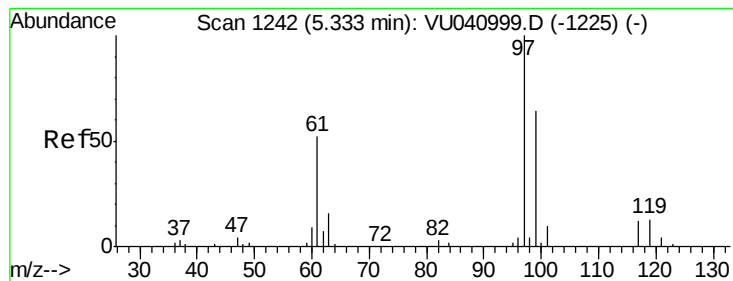
Tot Ion: 83 Resp: 50595
Ion Ratio Lower Upper
83 100
85 65.7 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.823 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Tgt Ion: 62 Resp: 36950
Ion Ratio Lower Upper
62 100
98 9.6 6.1 9.1#





#29

1,1,1-Trichloroethane

Concen: 4.509 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

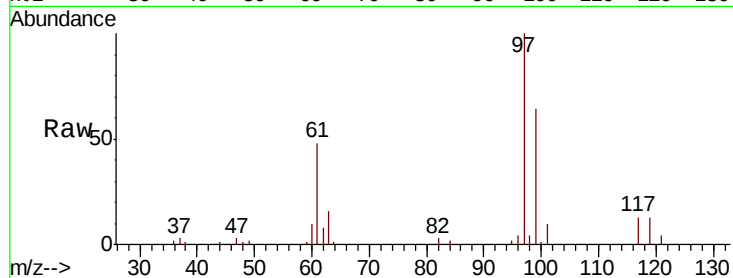
Tot Ion: 97 Resp: 41918

Ion Ratio Lower Upper

97 100

99 64.6 50.2 75.2

61 48.6 39.6 59.4

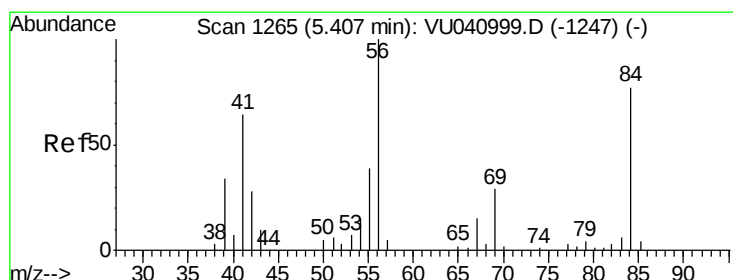
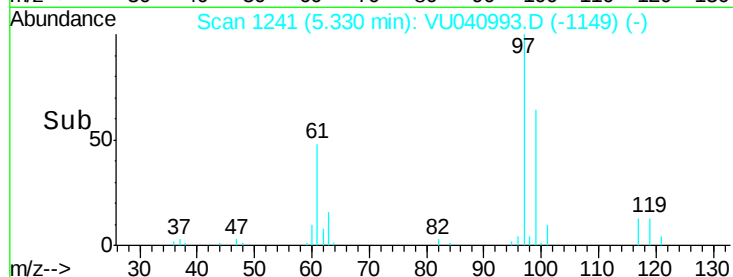
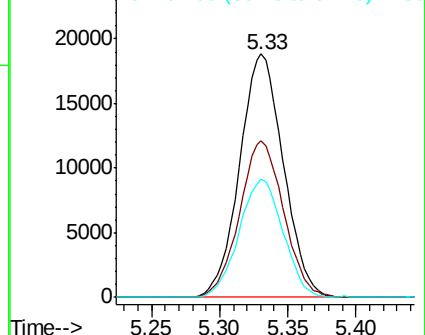


Abundance

Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 61.05 (60.75 to 61.75): VU0



#30

Cyclohexane

Concen: 4.109 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

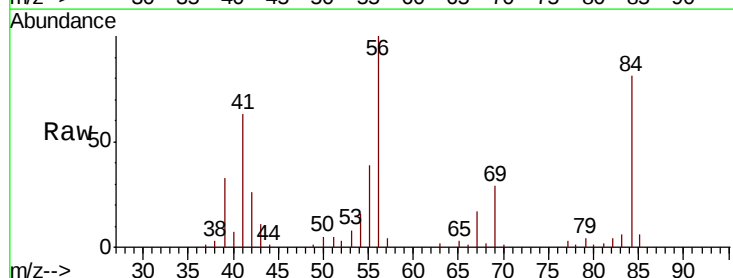
Tgt Ion: 56 Resp: 40492

Ion Ratio Lower Upper

56 100

69 29.6 23.2 34.8

84 80.5 62.9 94.3

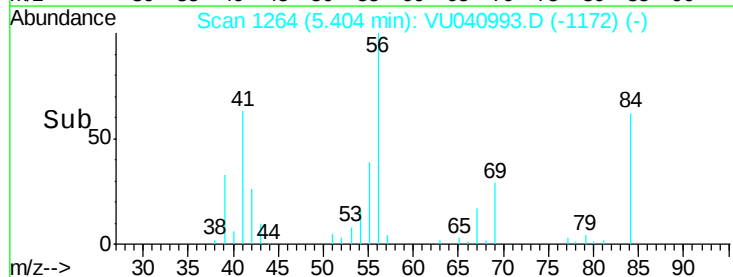
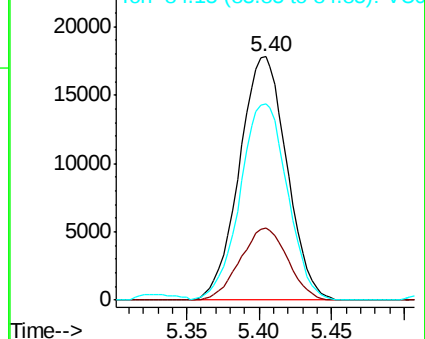


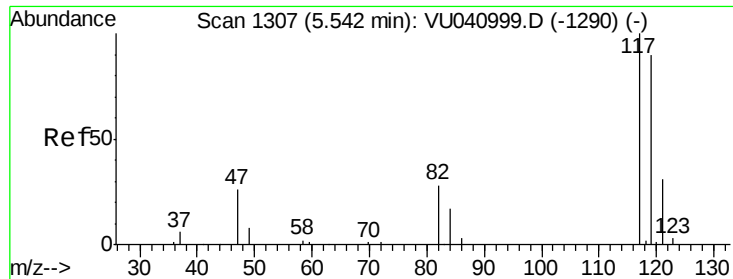
Abundance

Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0

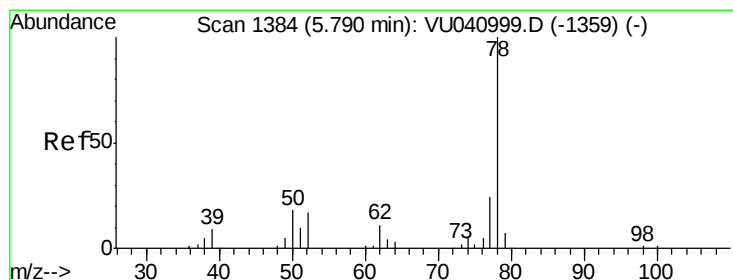
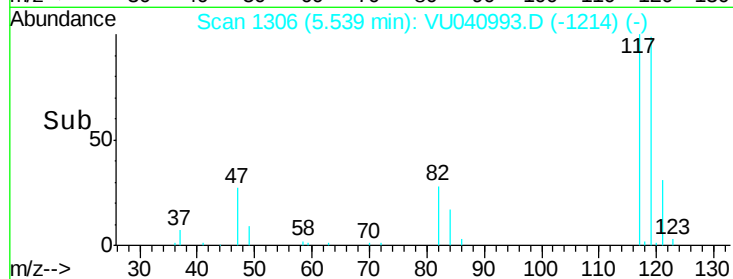
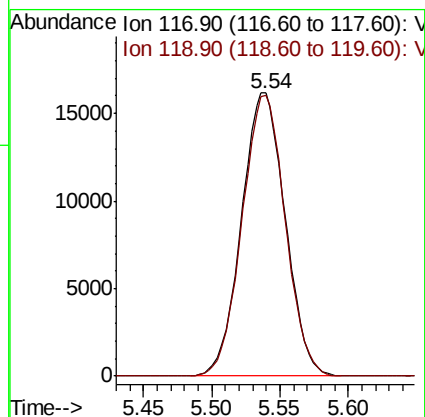
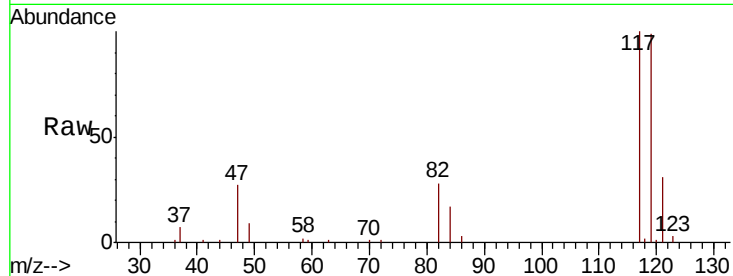




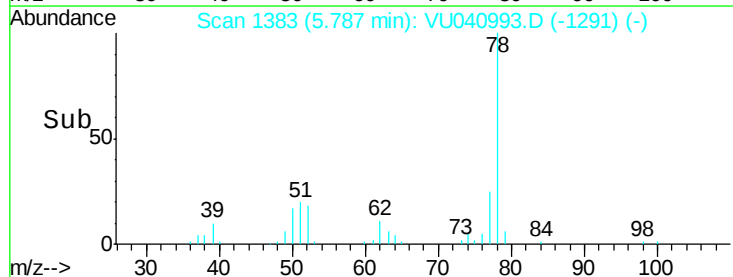
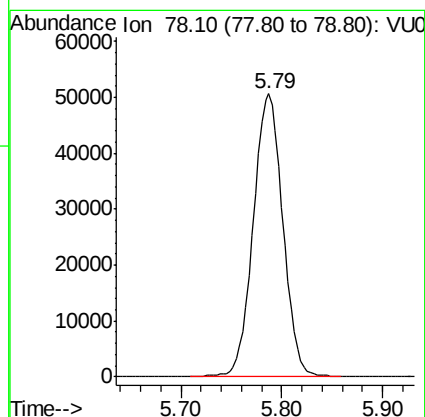
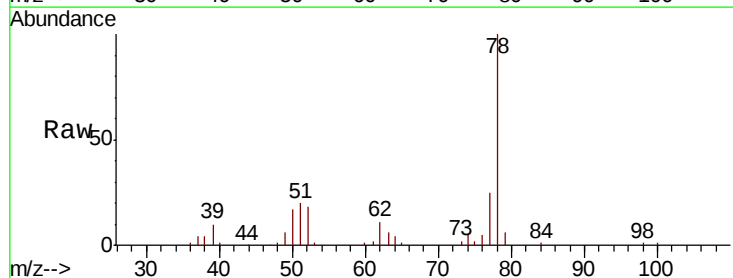
#31
Carbon tetrachloride
Concen: 4.540 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

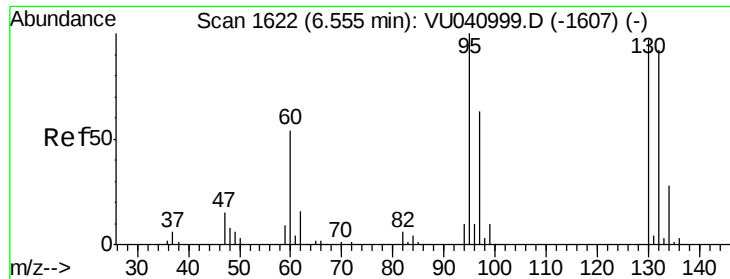
Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:117 Resp: 35959
Ion Ratio Lower Upper
117 100
119 97.9 74.4 111.6



#33
Benzene
Concen: 4.502 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46
Tgt Ion: 78 Resp: 102713

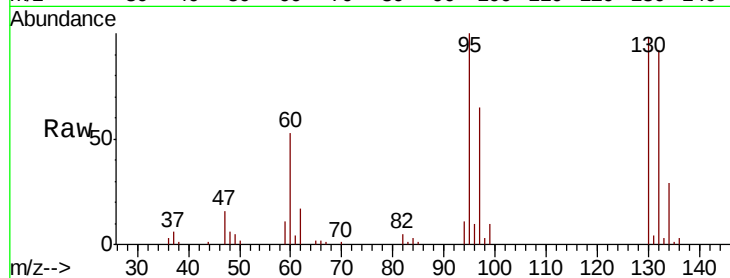




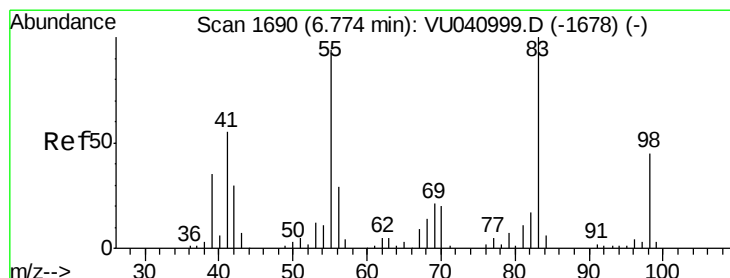
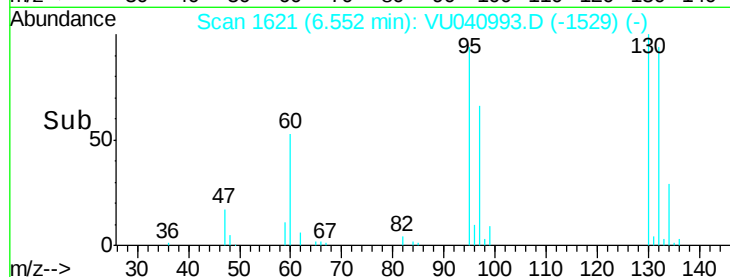
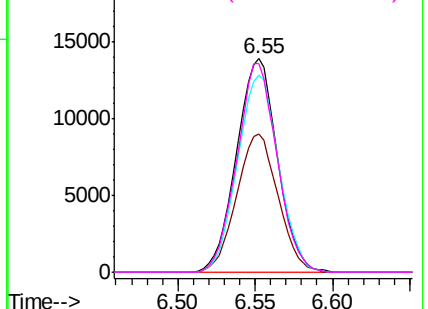
#34
 Trichloroethene
 Concen: 4.333 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion: 95 Resp: 25535
 Ion Ratio Lower Upper
 95 100
 97 64.9 43.8 81.4
 132 92.3 64.5 119.7
 130 98.0 67.6 125.6

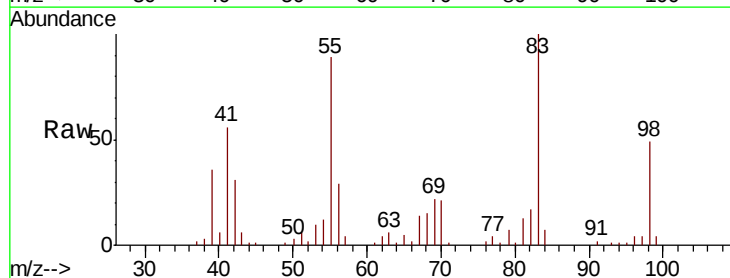


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

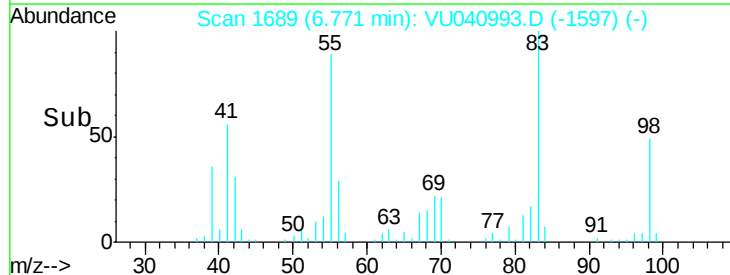
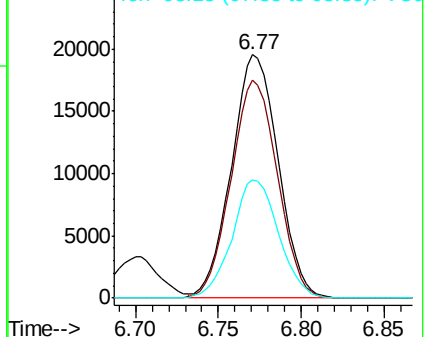


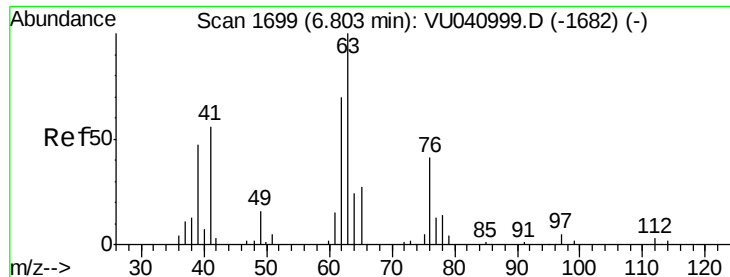
#35
 Methylcyclohexane
 Concen: 4.220 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion: 83 Resp: 38364
 Ion Ratio Lower Upper
 83 100
 55 88.7 72.7 109.1
 98 48.1 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

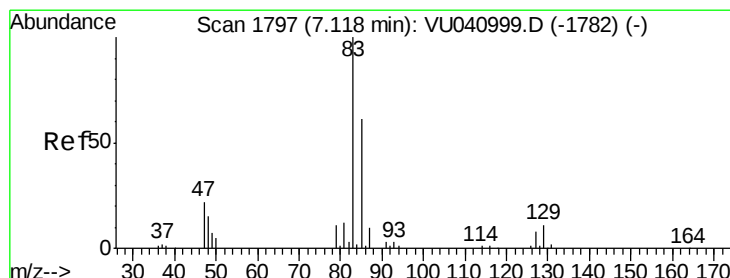
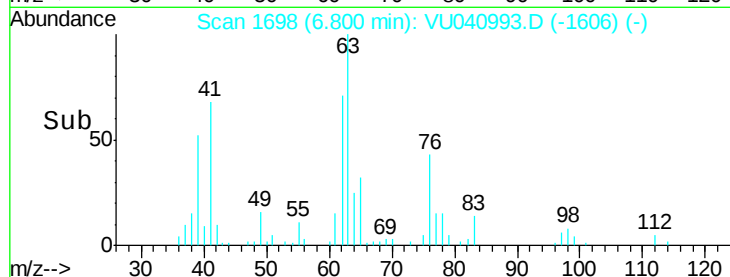
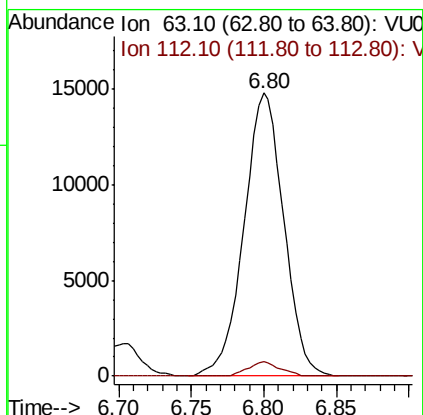
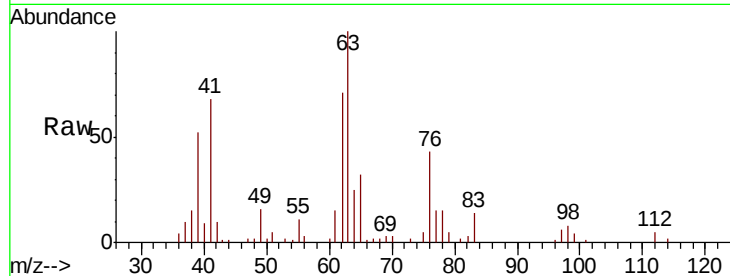




#37
 1,2-Dichloropropane
 Concen: 4.418 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

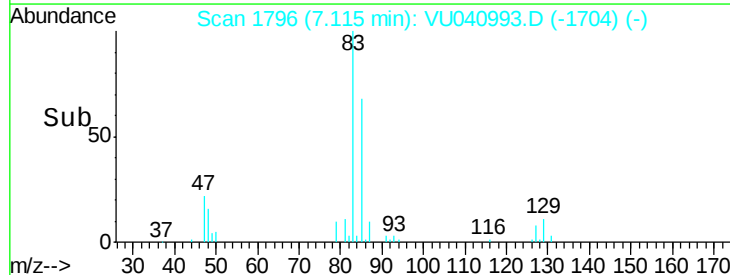
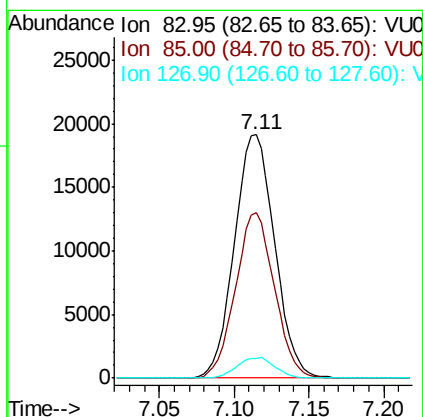
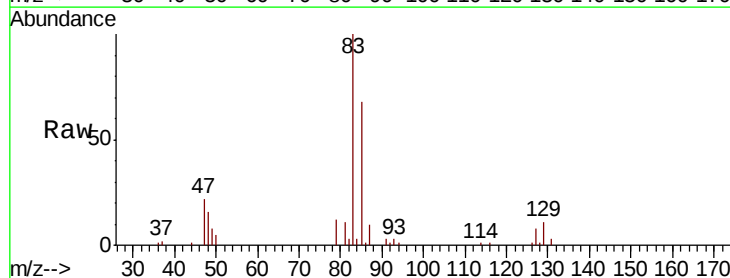
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

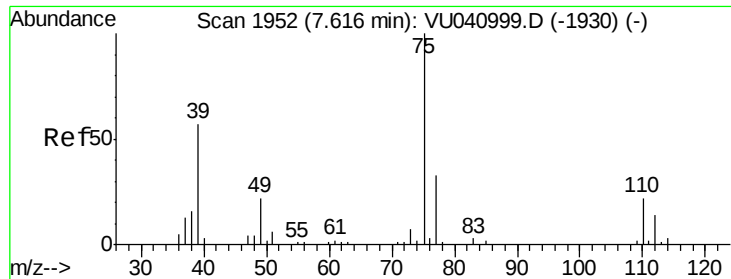
Tot Ion: 63 Resp: 28283
 Ion Ratio Lower Upper
 63 100
 112 4.0 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.624 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion: 83 Resp: 35884
 Ion Ratio Lower Upper
 83 100
 85 68.3 42.9 79.7
 127 8.3 6.2 9.2

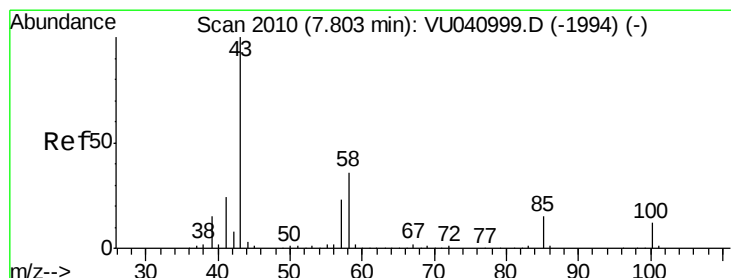
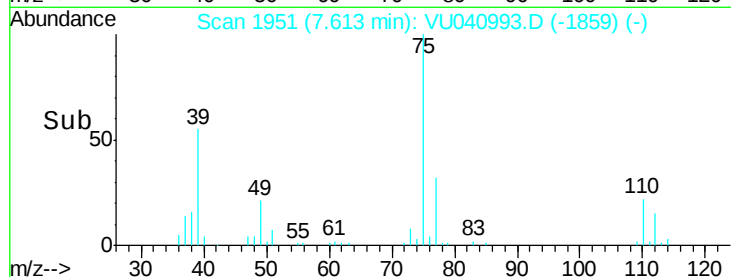
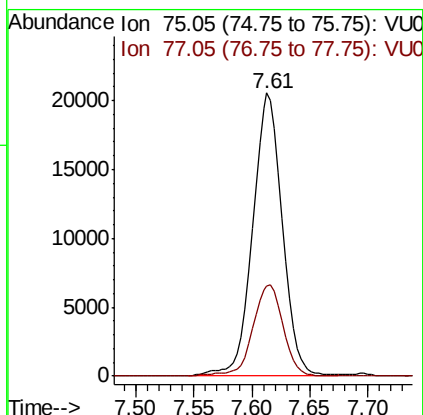
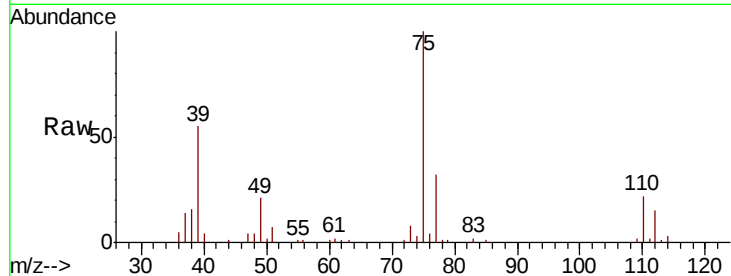




#39
 cis-1,3-Dichloropropene
 Concen: 4.285 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

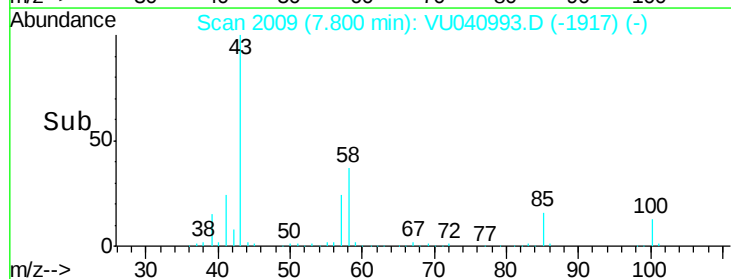
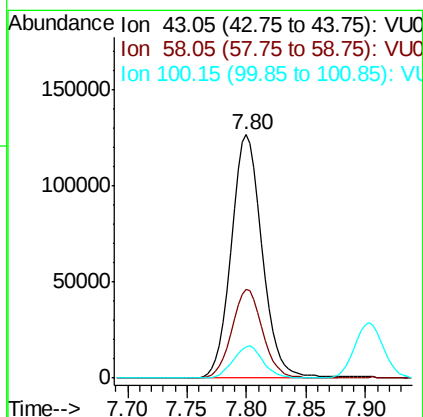
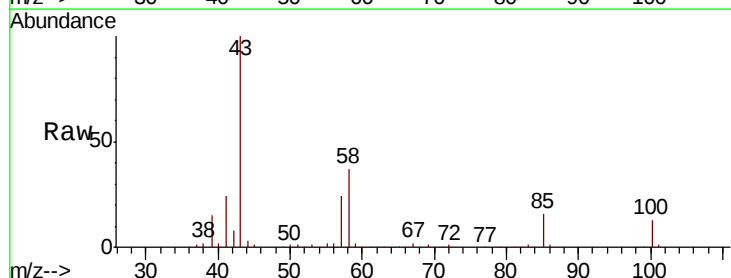
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

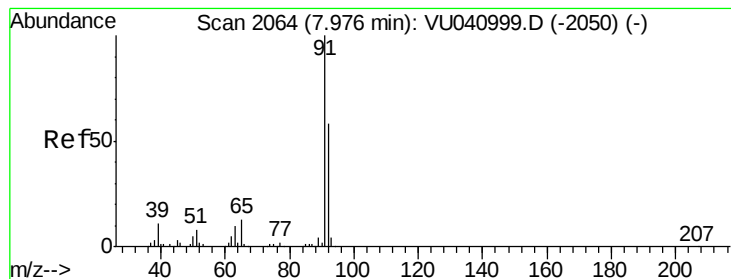
Tot Ion: 75 Resp: 36802
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 47.366 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion: 43 Resp: 228028
 Ion Ratio Lower Upper
 43 100
 58 36.2 28.6 43.0
 100 12.9 9.6 14.4





#42

Toluene

Concen: 4.644 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

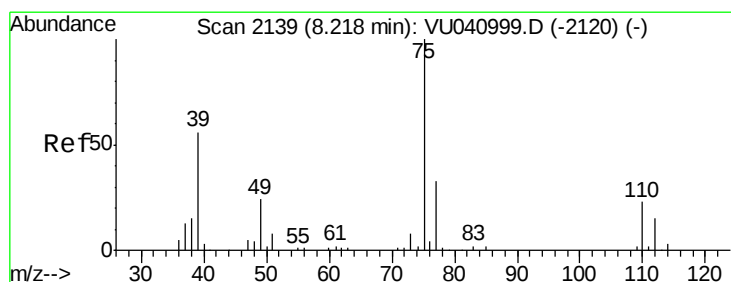
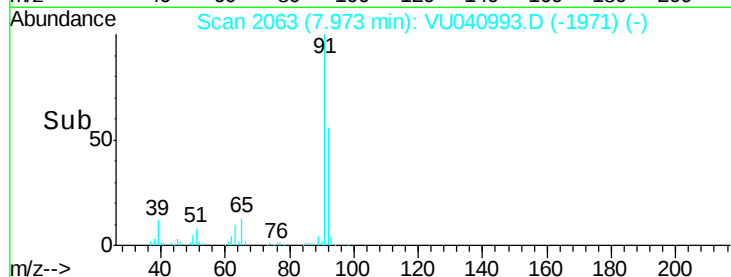
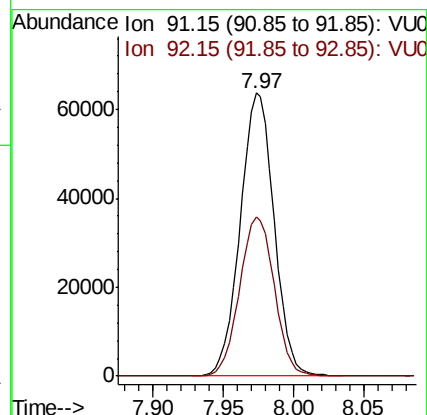
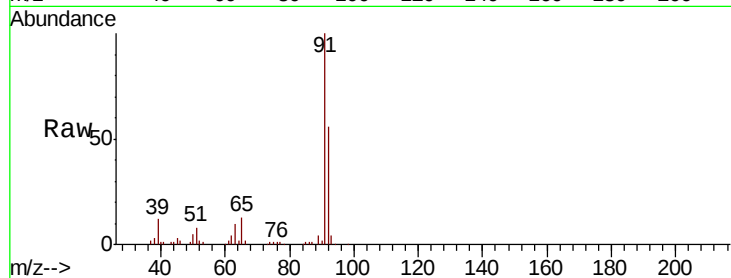
VSTD00504

Tot Ion: 91 Resp: 107189

Ion Ratio Lower Upper

91 100

92 56.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.541 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040993.D

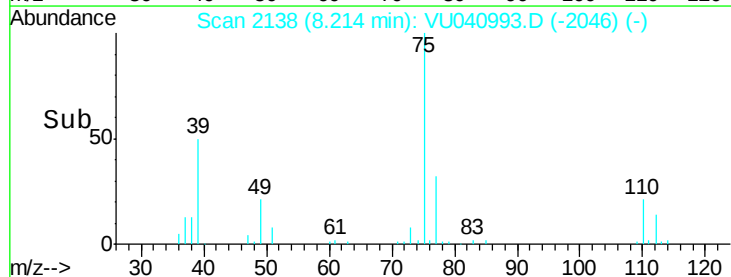
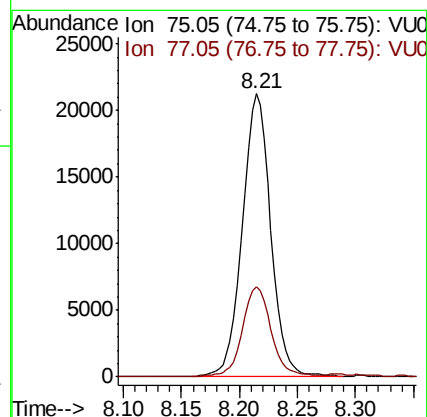
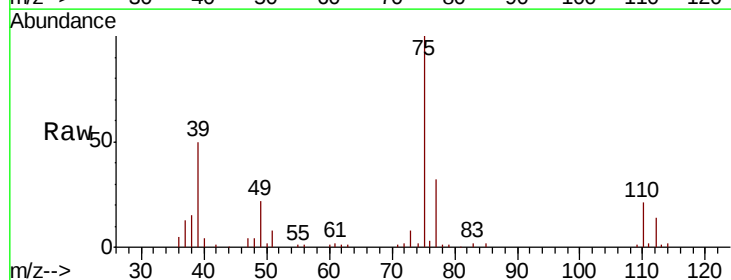
Acq: 28 Oct 2020 11:46

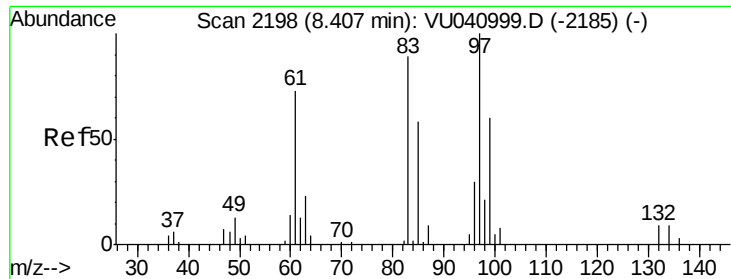
Tgt Ion: 75 Resp: 36035

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.6

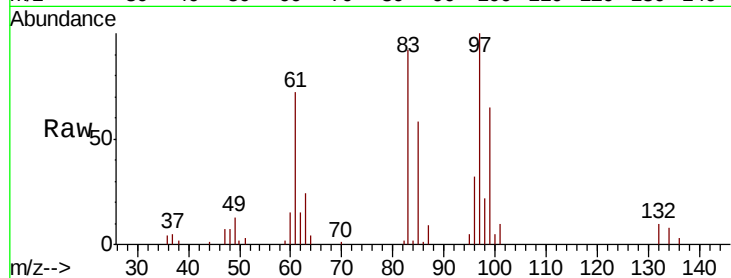




#45
 1,1,2-Trichloroethane
 Concen: 4.680 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:	97	Resp:	20367
Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.8	77.6
83	91.7	62.2	115.6
85	58.0	40.3	74.8

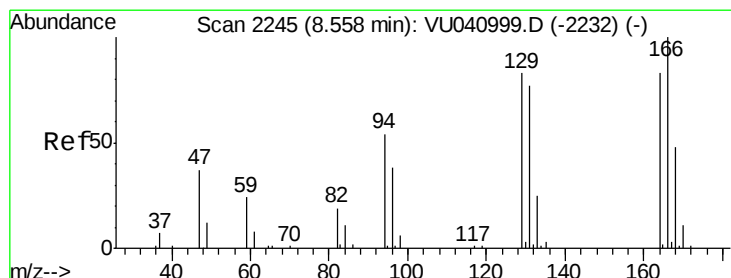
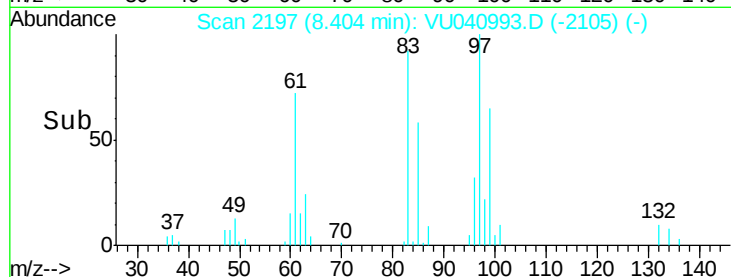
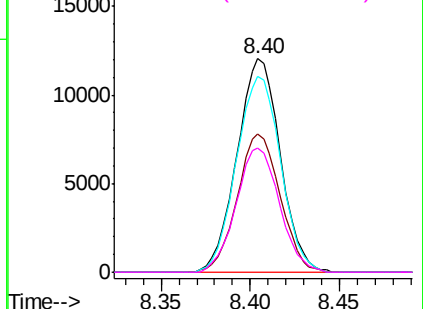


Abundance Ion 96.95 (96.65 to 97.65): VU040993.D (-2198) (-)

Ion 99.05 (98.75 to 99.75): VU040993.D (-2198) (-)

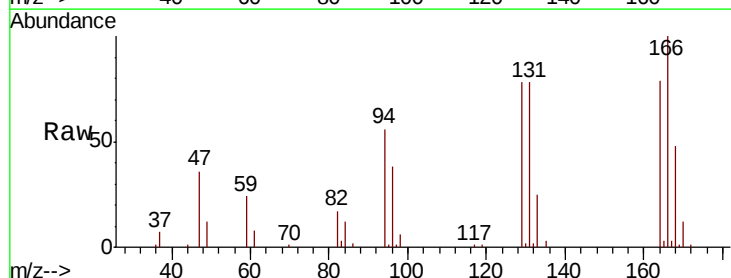
Ion 82.95 (82.65 to 83.65): VU040993.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU040993.D (-2198) (-)



#47
 Tetrachloroethene
 Concen: 4.488 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion:	164	Resp:	19204
Ion	Ratio	Lower	Upper
164	100		
129	99.3	69.9	129.7
131	98.3	65.0	120.6
166	126.7	84.1	156.1

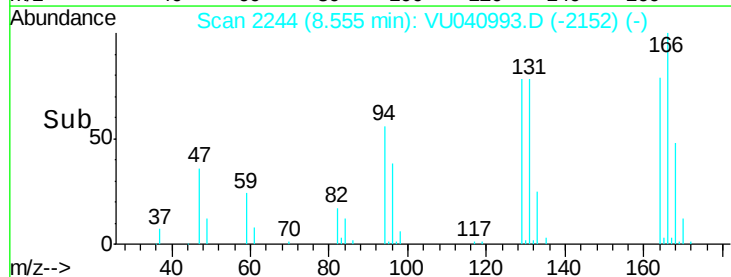
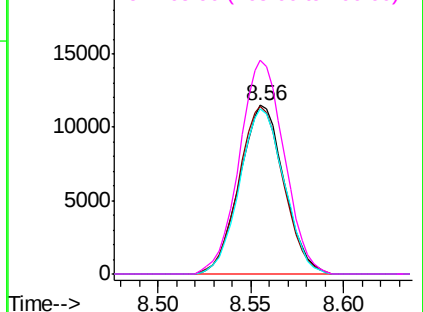


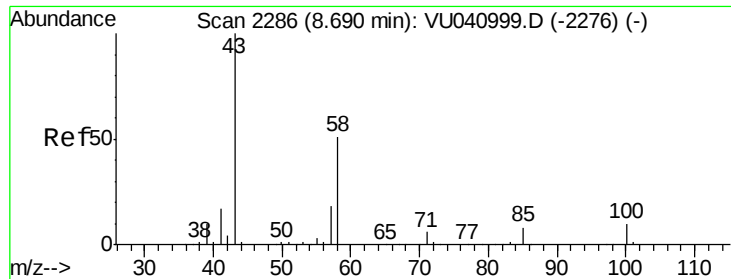
Abundance Ion 163.90 (163.60 to 164.60): VU040993.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU040993.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU040993.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU040993.D (-2245) (-)

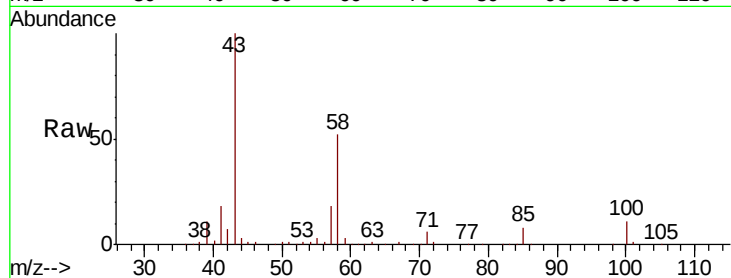




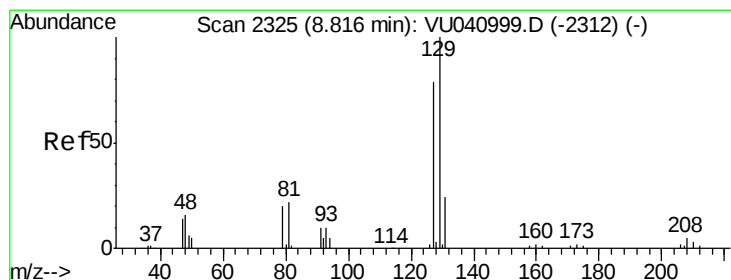
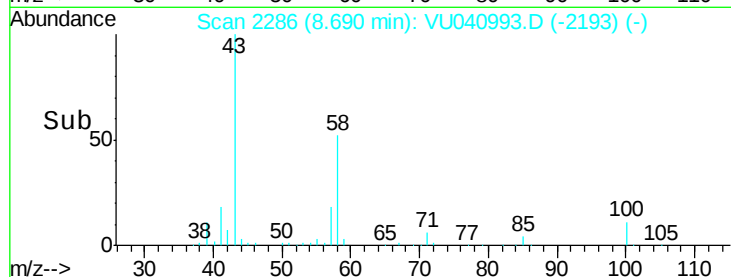
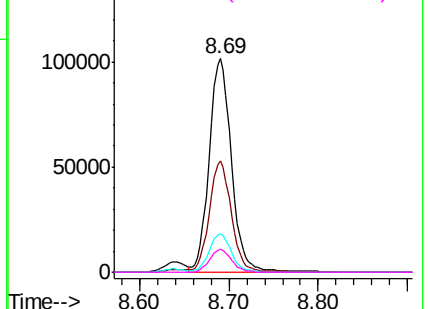
#48
2-Hexanone
Concen: 50.015 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion: 43 Resp: 176007
Ion Ratio Lower Upper
43 100
58 51.2 39.9 59.9
57 17.7 14.1 21.1
100 10.5 7.5 11.3

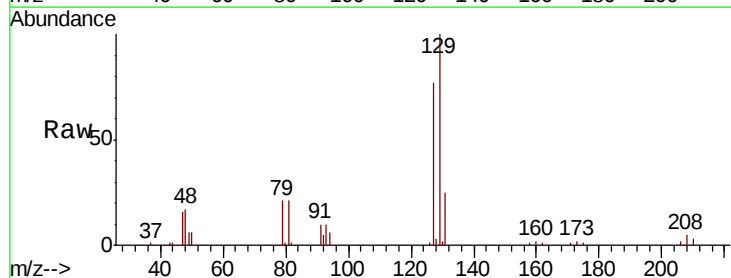


Abundance Ion 43.05 (42.75 to 43.75): VU040993.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040993.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040993.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040993.D (-2193) (-)

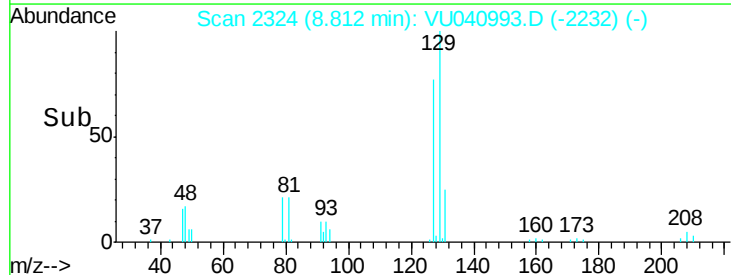
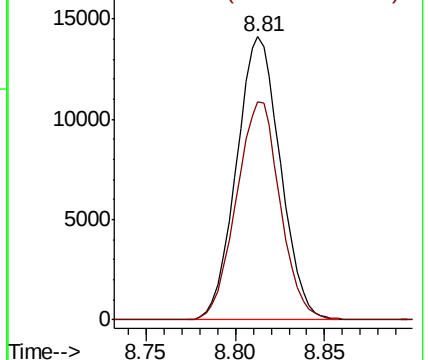


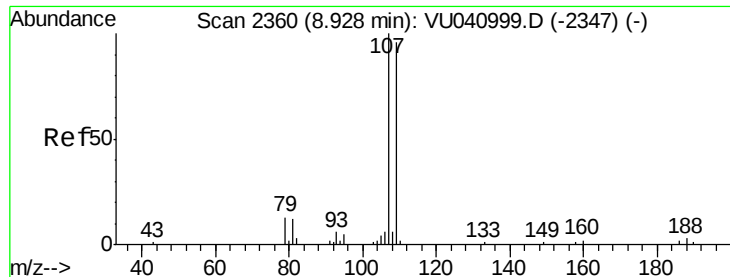
#49
Dibromochloromethane
Concen: 4.844 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Tgt Ion: 129 Resp: 24219
Ion Ratio Lower Upper
129 100
127 77.0 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040993.D (-2232) (-)
Ion 126.90 (126.60 to 127.60): VU040993.D (-2232) (-)

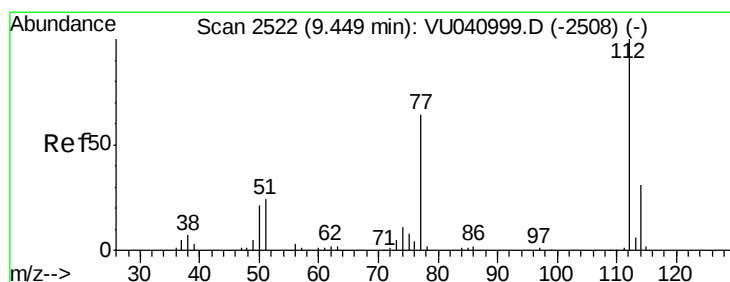
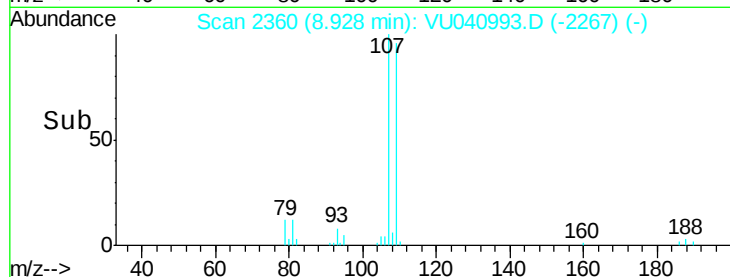
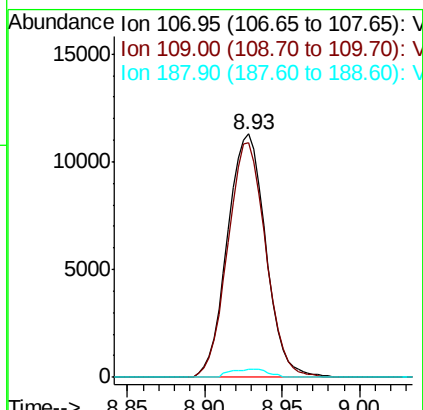
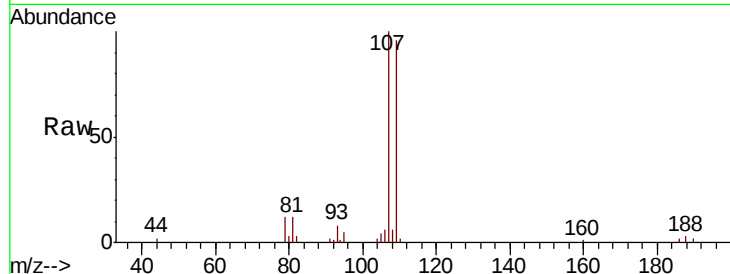




#50
 1,2-Dibromoethane
 Concen: 4.634 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

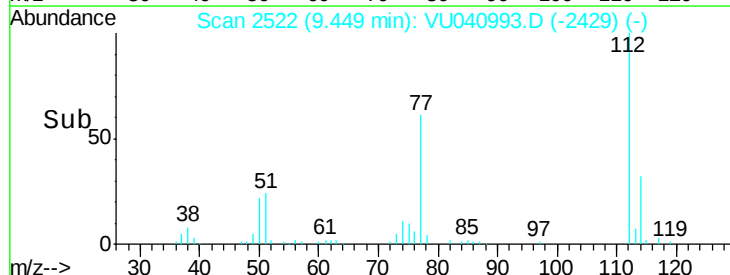
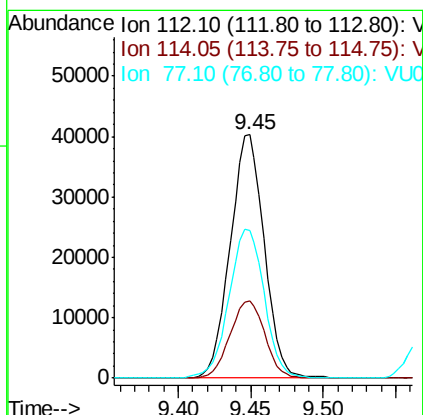
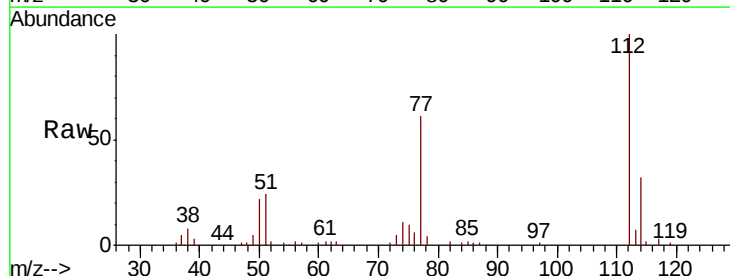
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

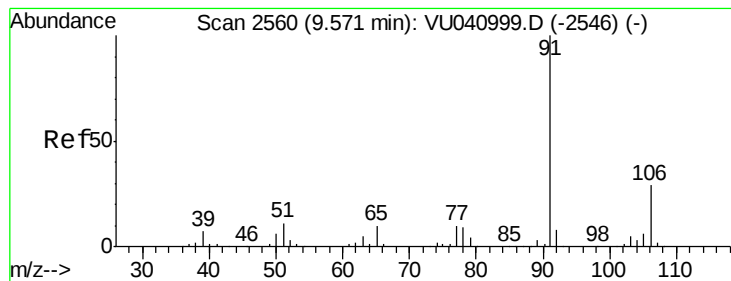
Tot Ion:107 Resp: 19442
 Ion Ratio Lower Upper
 107 100
 109 96.4 67.1 124.5
 188 3.2 2.3 3.5



#51
 Chlorobenzene
 Concen: 4.431 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion:112 Resp: 65678
 Ion Ratio Lower Upper
 112 100
 114 31.6 21.9 40.7
 77 60.7 51.4 77.2





#52

Ethylbenzene

Concen: 4.397 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

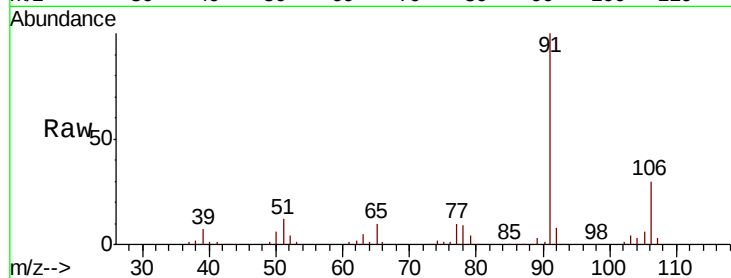
VSTD00504

Tot Ion: 91 Resp: 110660

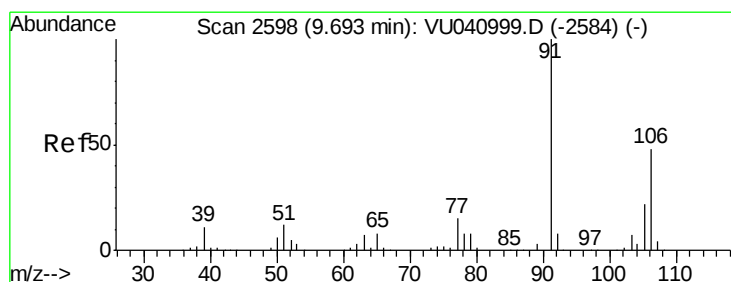
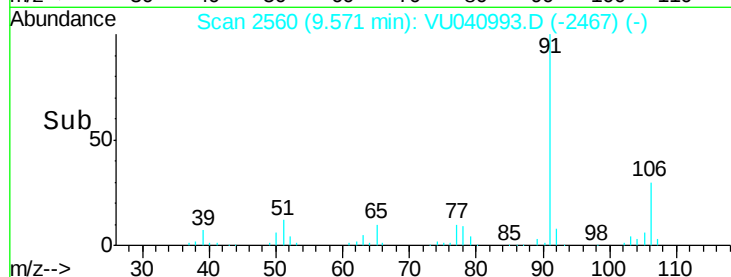
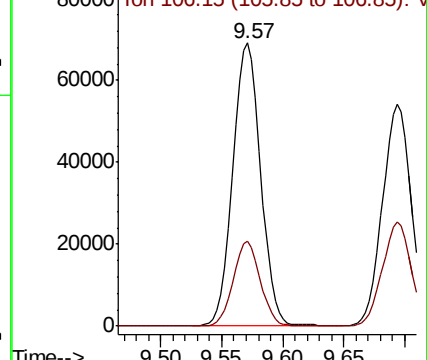
Ion Ratio Lower Upper

91 100

106 29.9 20.6 38.4



Abundance Ion 91.15 (90.85 to 91.85): VU040999.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.569 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040993.D

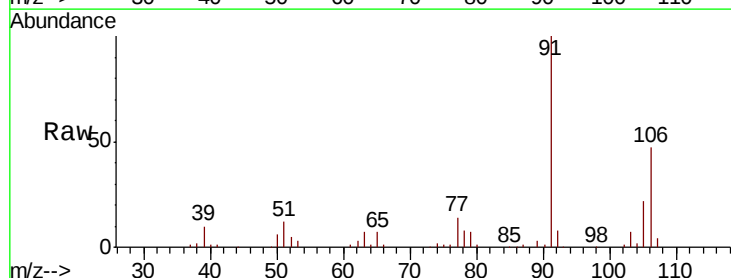
Acq: 28 Oct 2020 11:46

Tgt Ion: 106 Resp: 41433

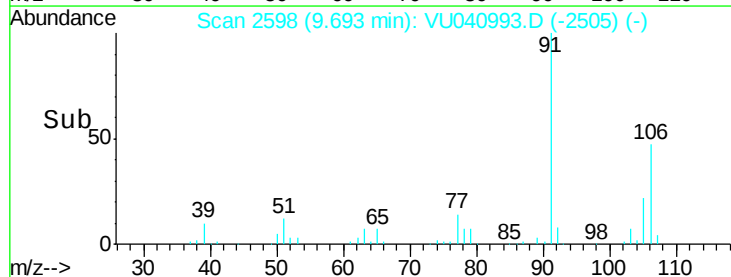
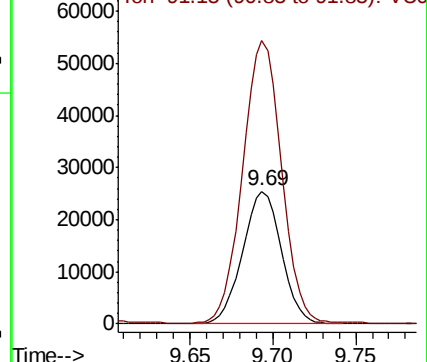
Ion Ratio Lower Upper

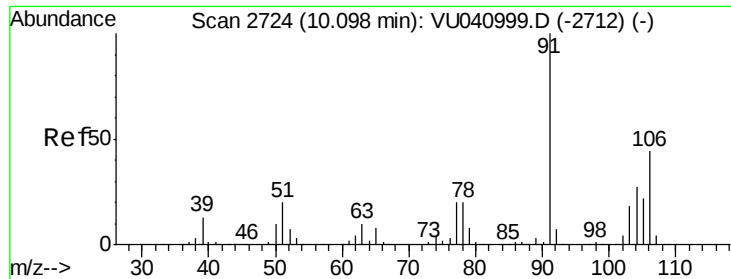
106 100

91 213.3 147.6 274.0



Abundance Ion 106.15 (105.85 to 106.85): VU040999.D (-2584) (-)

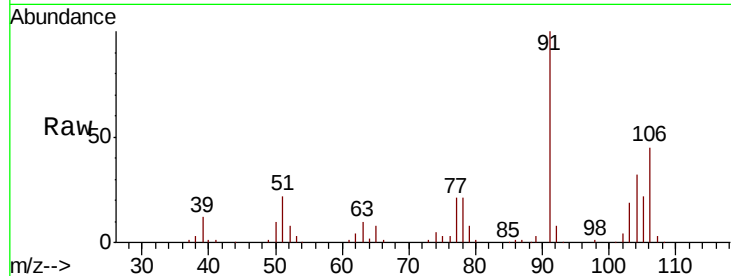




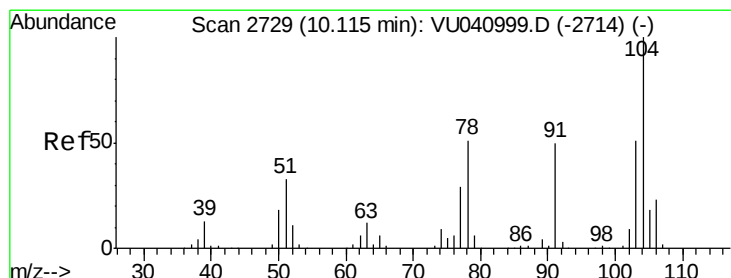
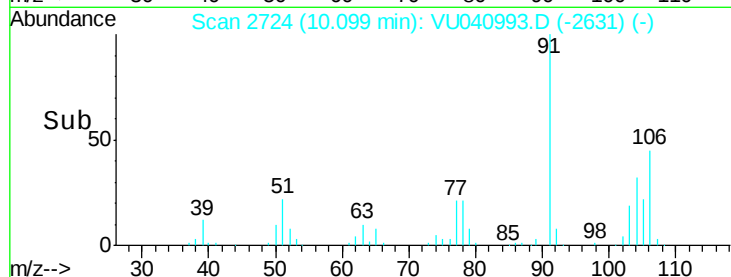
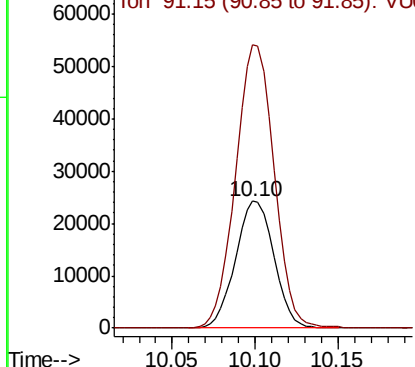
#54
o-Xylene
Concen: 4.485 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. 0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:106 Resp: 39156
Ion Ratio Lower Upper
106 100
91 223.5 158.3 294.1

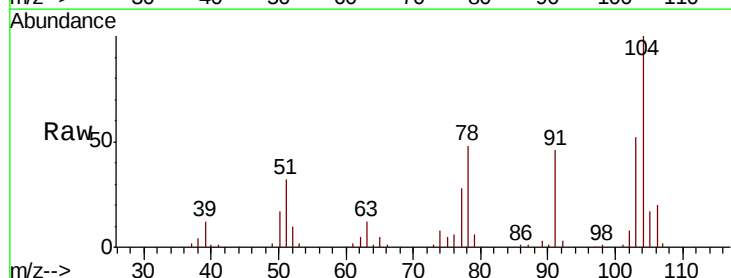


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

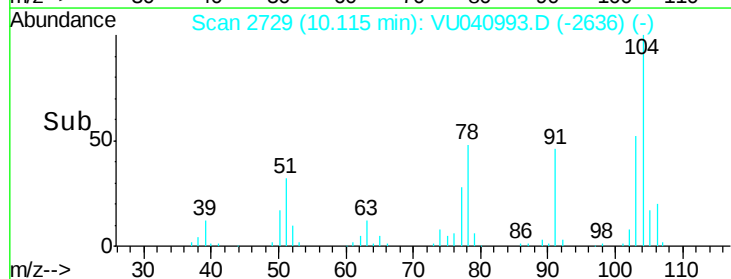
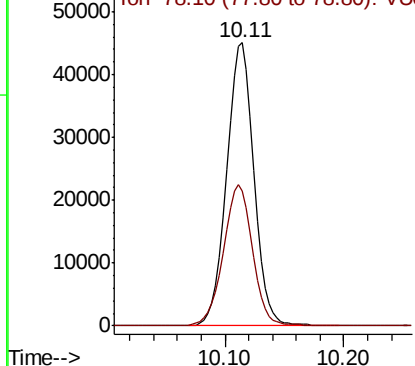


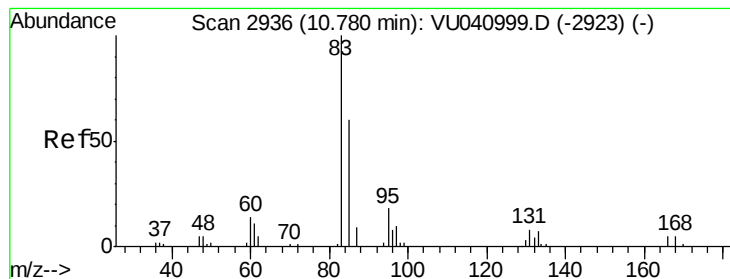
#55
Styrene
Concen: 4.745 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Tgt Ion:104 Resp: 71539
Ion Ratio Lower Upper
104 100
78 47.6 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: 4.746 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

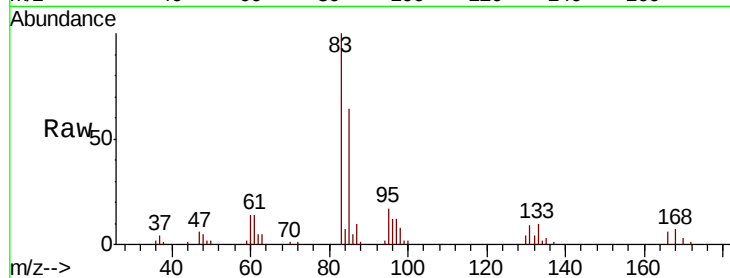
Tot Ion: 83 Resp: 27202

Ion Ratio Lower Upper

83 100

85 64.2 42.1 78.3

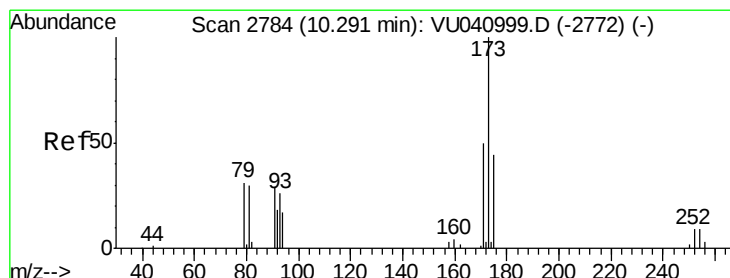
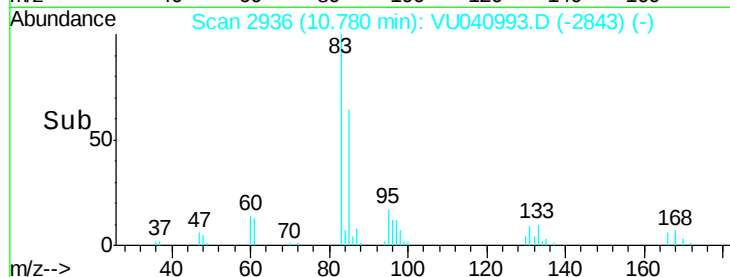
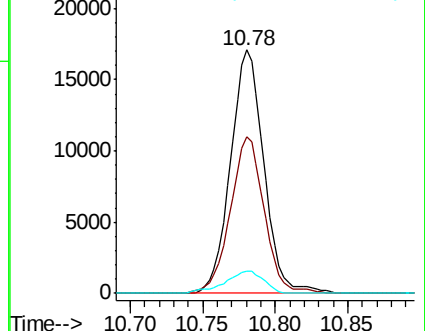
131 9.3 6.7 10.1



Abundance Ion 82.95 (82.65 to 83.65): VU040999.D (-2923) (-)

Ion 85.00 (84.70 to 85.70): VU040999.D (-2923) (-)

Ion 130.95 (130.65 to 131.65): VU040999.D (-2923) (-)



#59

Bromoform

Concen: 4.732 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

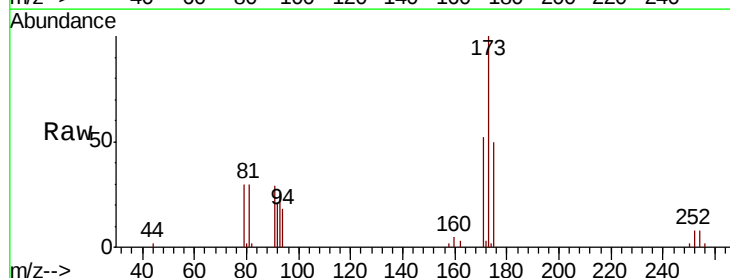
Tgt Ion: 173 Resp: 13188

Ion Ratio Lower Upper

173 100

175 47.7 36.7 55.1

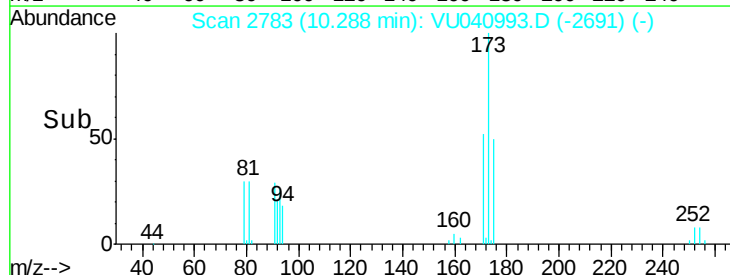
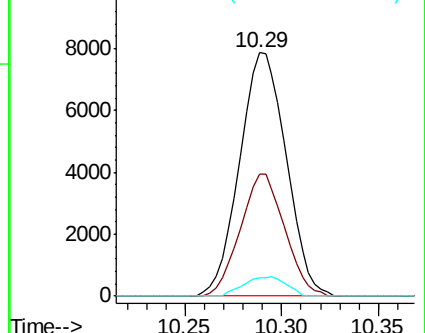
254 7.3 6.5 9.7

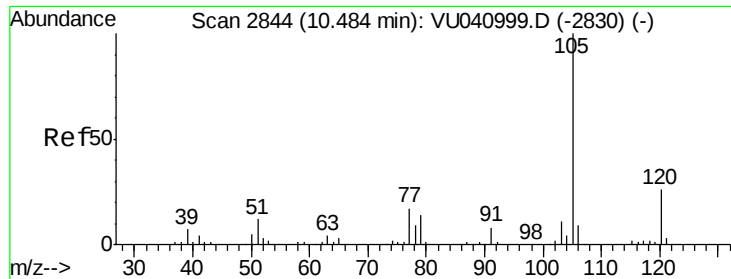


Abundance Ion 172.90 (172.60 to 173.60): VU040999.D (-2772) (-)

Ion 174.90 (174.60 to 175.60): VU040999.D (-2772) (-)

Ion 253.75 (253.45 to 254.45): VU040999.D (-2772) (-)





#60

Isopropylbenzene

Concen: 4.368 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

Instrument :

MSVOA_U

ClientSampleId :

VSTD00504

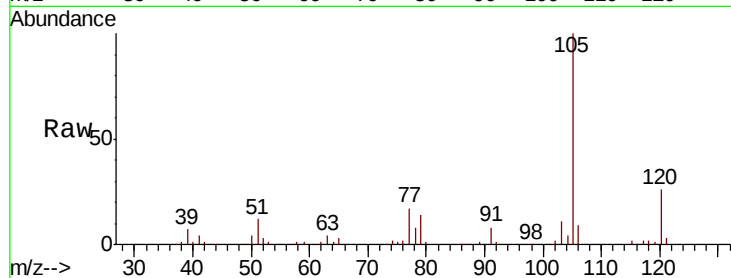
Tot Ion:105 Resp: 102701

Ion Ratio Lower Upper

105 100

120 25.9 20.2 30.4

77 17.7 14.4 21.6

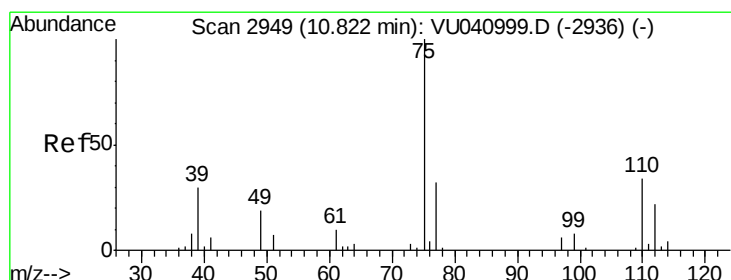
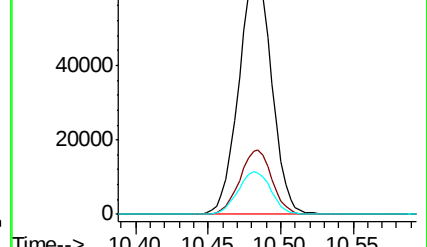
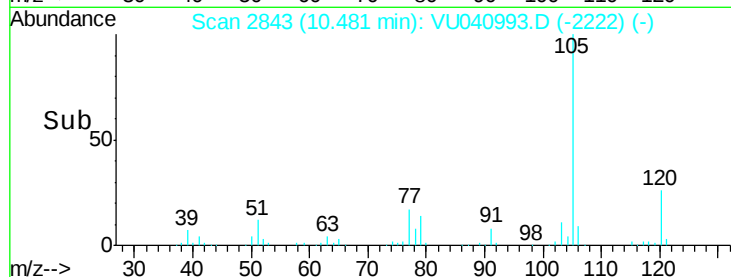


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->



#61

1,2,3-Trichloropropane

Concen: 4.594 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040993.D

Acq: 28 Oct 2020 11:46

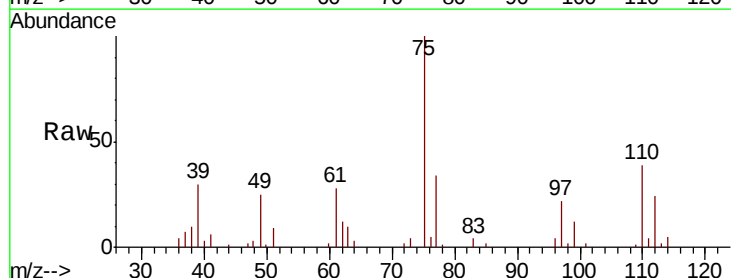
Tgt Ion: 75 Resp: 20436

Ion Ratio Lower Upper

75 100

110 37.5 27.5 41.3

77 33.0 24.9 37.3

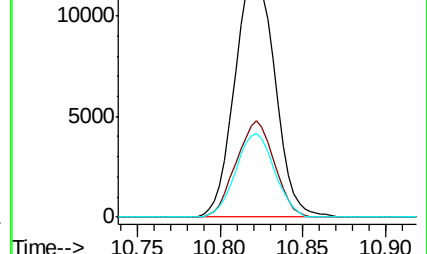
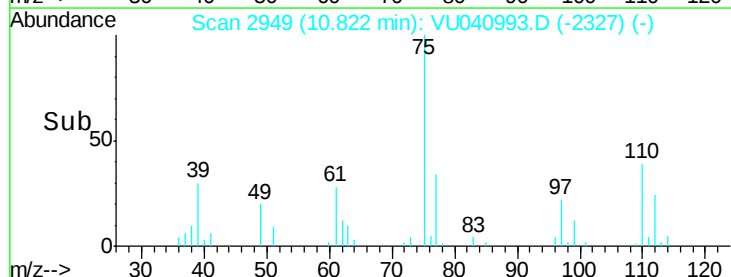


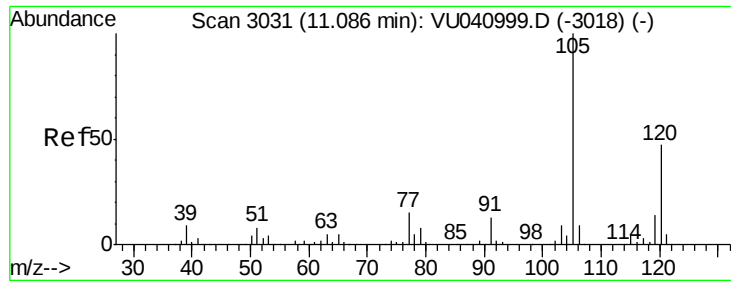
Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

Time-->

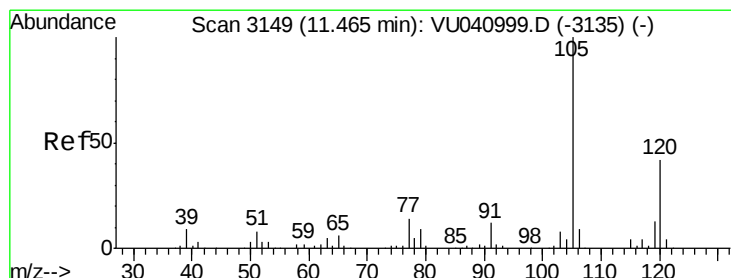
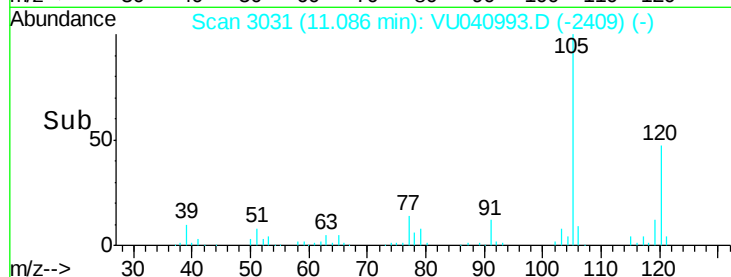
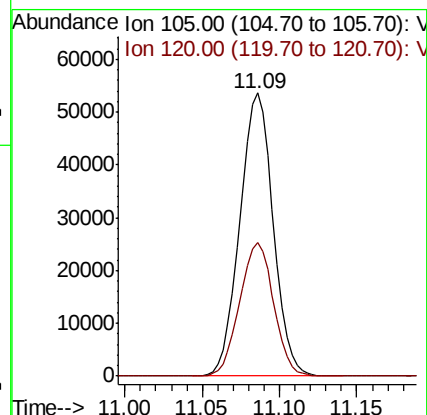
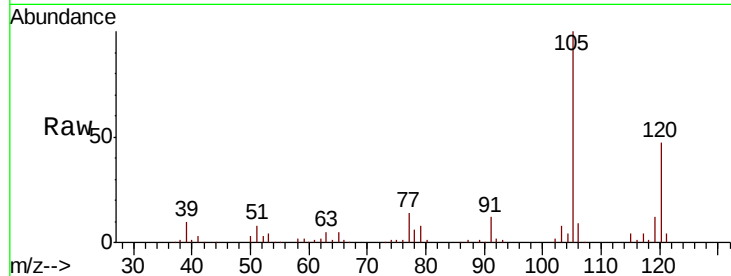




#62
 1,3,5-Trimethylbenzene
 Concen: 4.255 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

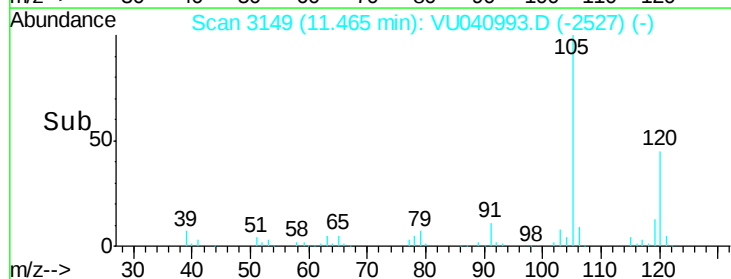
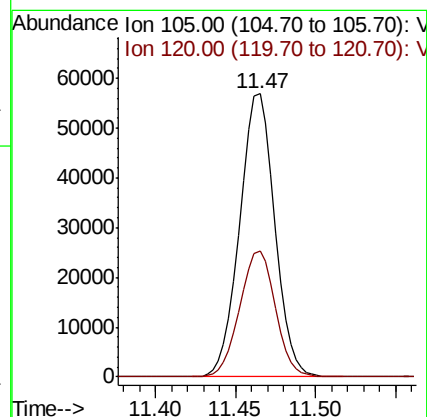
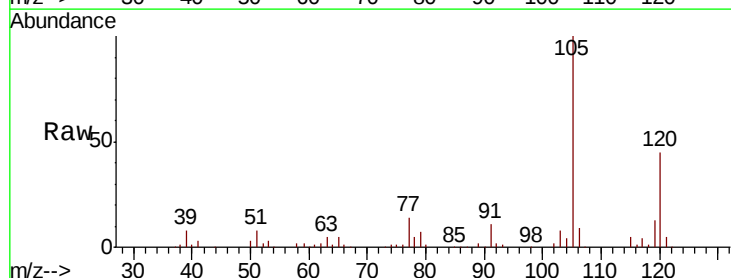
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

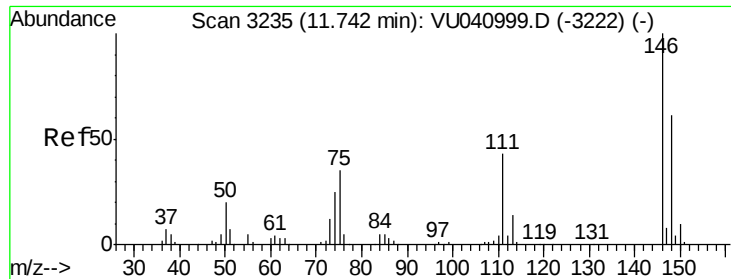
Tot Ion:105 Resp: 80179
 Ion Ratio Lower Upper
 105 100
 120 48.0 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 4.423 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion:105 Resp: 84695
 Ion Ratio Lower Upper
 105 100
 120 45.2 34.6 52.0

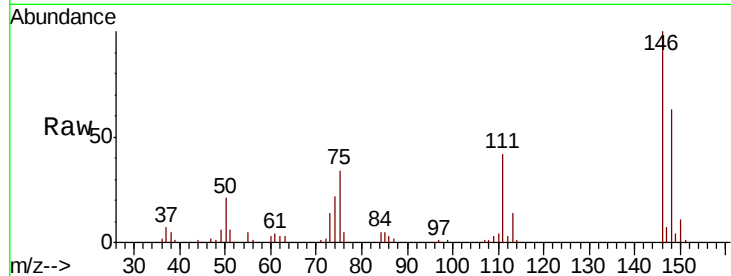




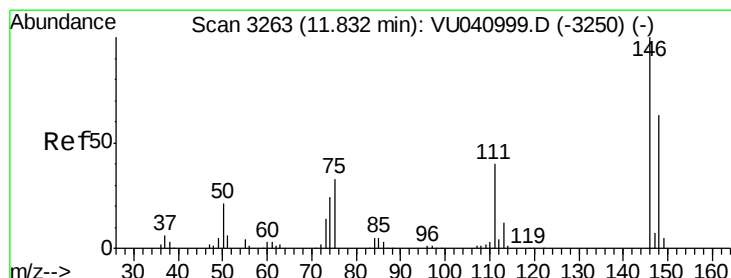
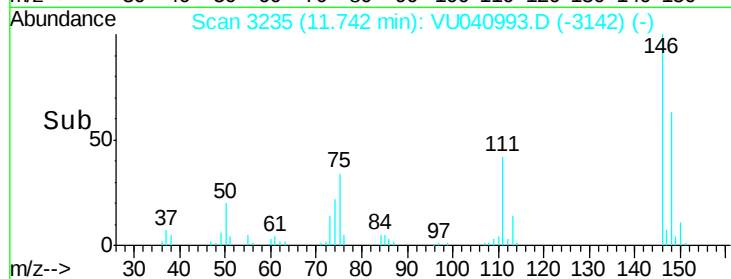
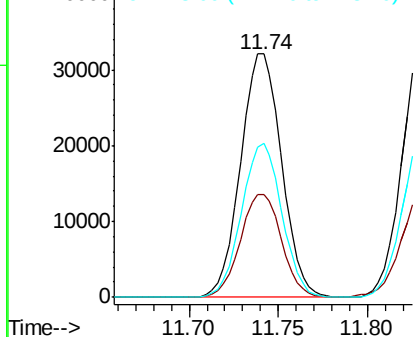
#64
 1,3-Dichlorobenzene
 Concen: 4.396 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:146 Resp: 51474
 Ion Ratio Lower Upper
 146 100
 111 42.3 30.2 56.0
 148 63.1 42.9 79.7

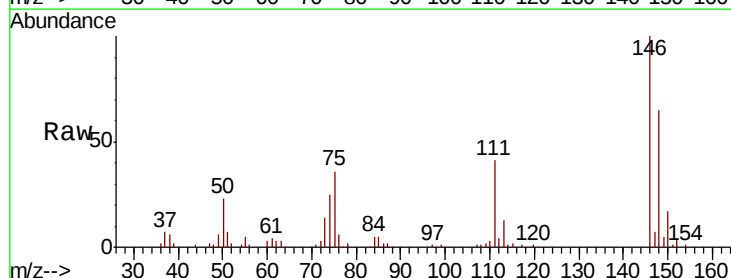


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

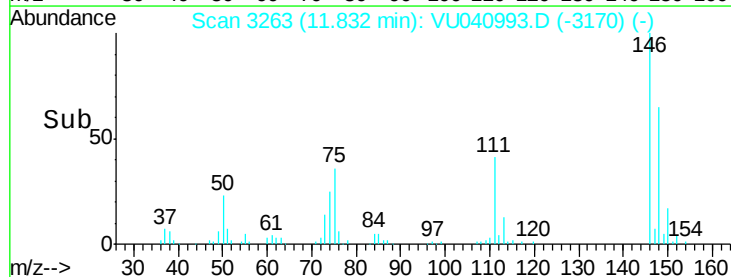
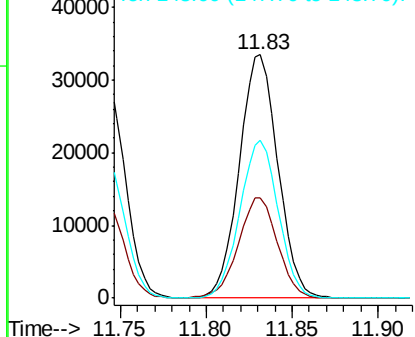


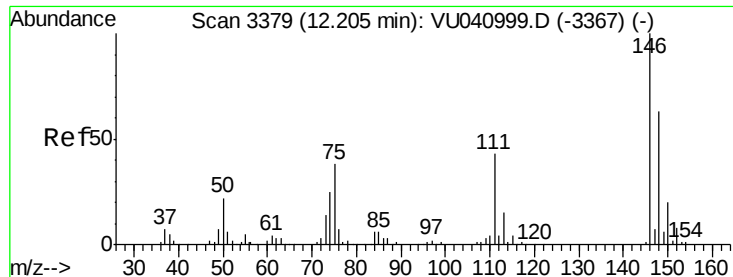
#65
 1,4-Dichlorobenzene
 Concen: 4.313 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion:146 Resp: 52137
 Ion Ratio Lower Upper
 146 100
 111 41.2 28.3 52.7
 148 64.7 44.1 81.9



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

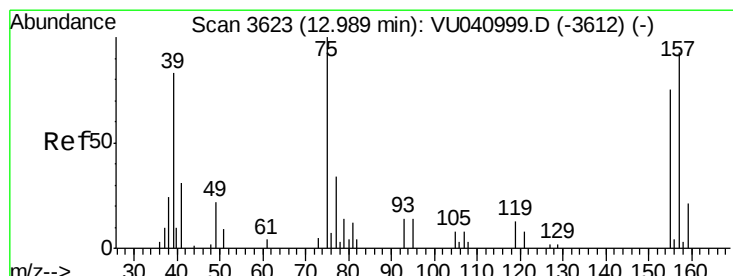
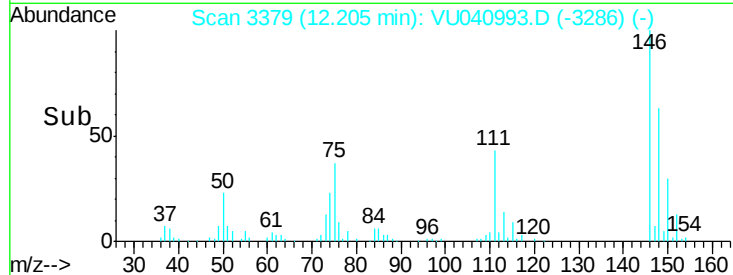
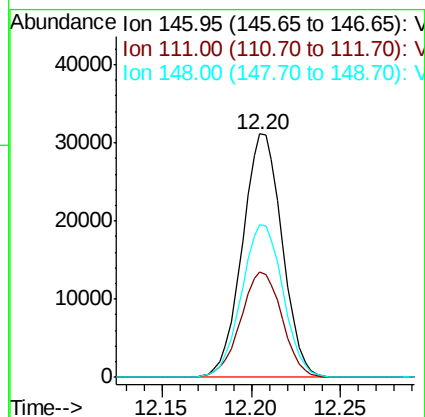
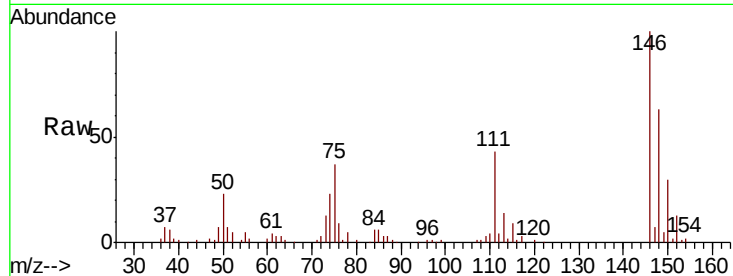




#67
 1,2-Dichlorobenzene
 Concen: 4.395 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

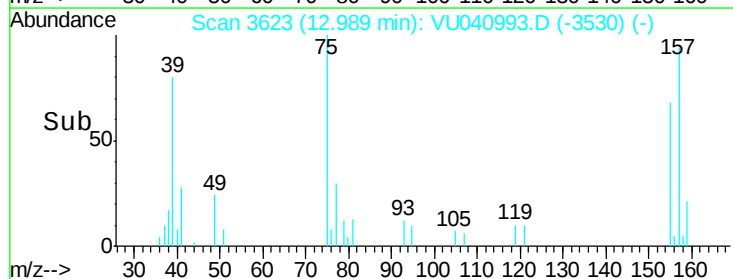
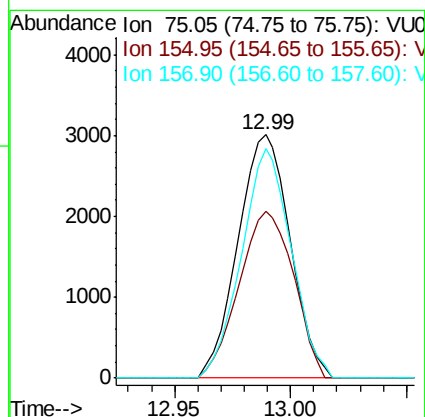
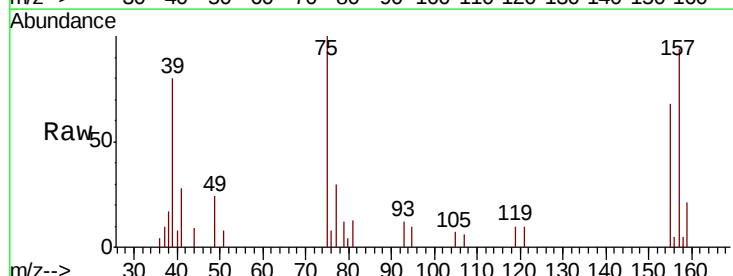
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

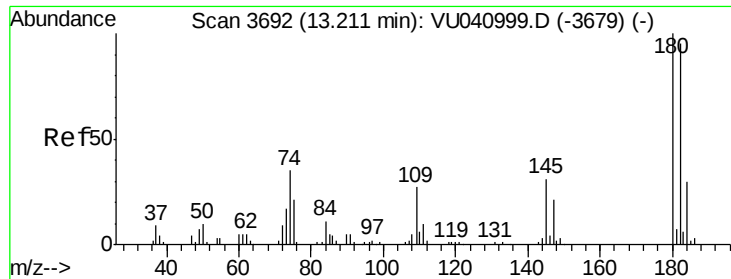
Tot Ion:146 Resp: 48435
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.7 52.1
 148 62.8 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.493 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion: 75 Resp: 4706
 Ion Ratio Lower Upper
 75 100
 155 68.3 60.2 90.2
 157 94.4 74.4 111.6

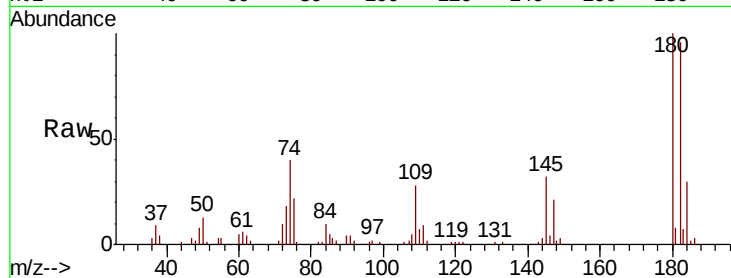




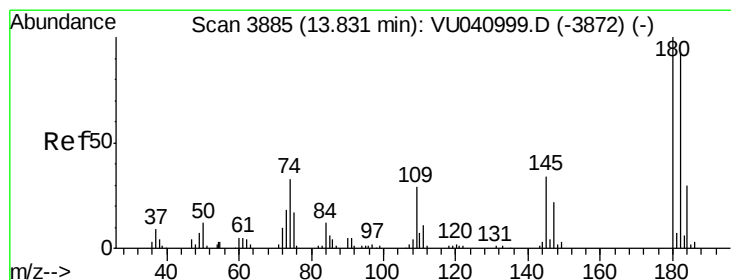
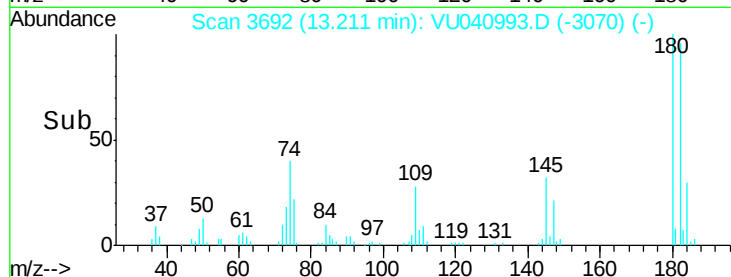
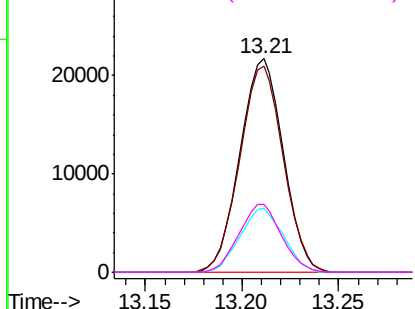
#69
 1,3,5-Trichlorobenzene
 Concen: 4.120 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00504

Tot Ion:180 Resp: 33791
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.9 115.3
 184 30.0 23.8 35.8
 145 31.5 25.2 37.8

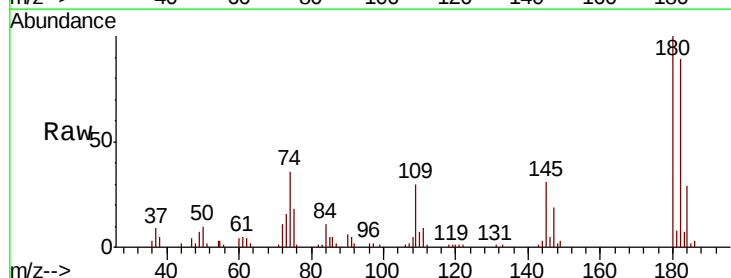


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

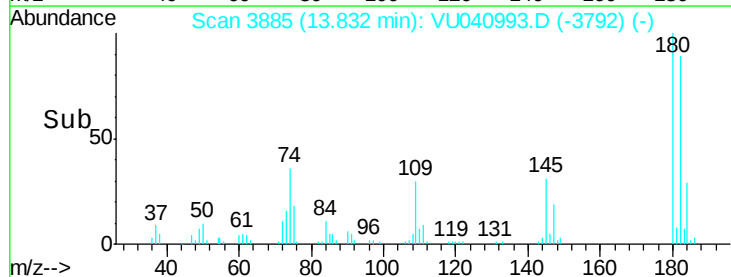
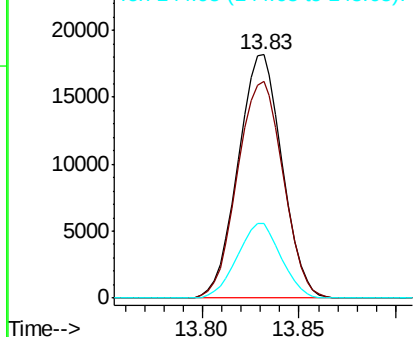


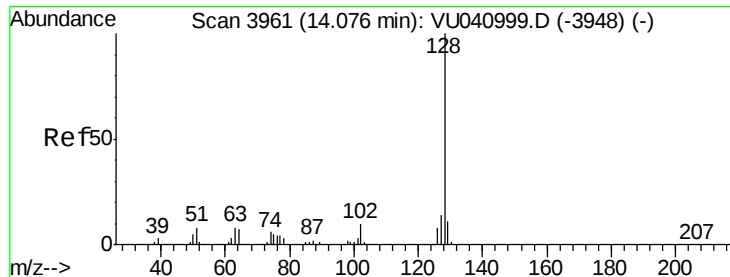
#70
 1,2,4-trichlorobenzene
 Concen: 4.343 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040993.D
 Acq: 28 Oct 2020 11:46

Tgt Ion:180 Resp: 28764
 Ion Ratio Lower Upper
 180 100
 182 92.3 74.5 111.7
 145 30.4 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

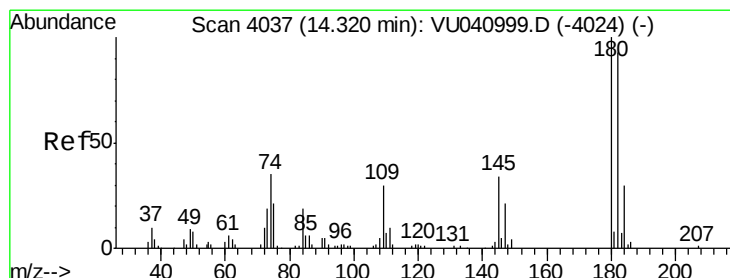
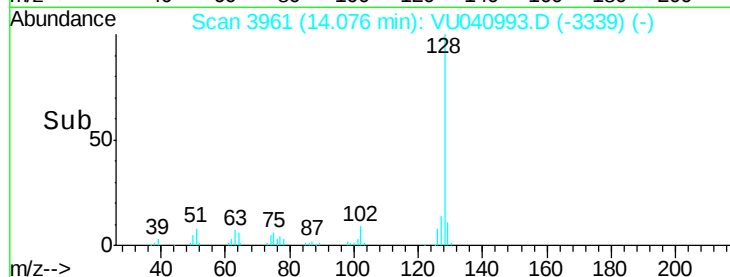
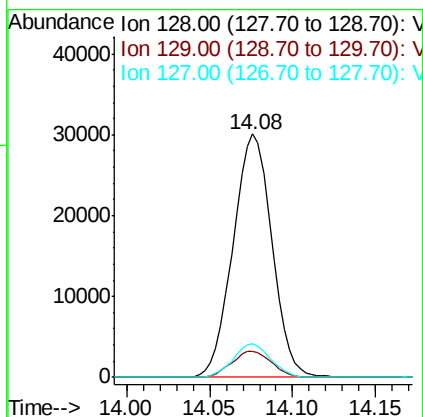
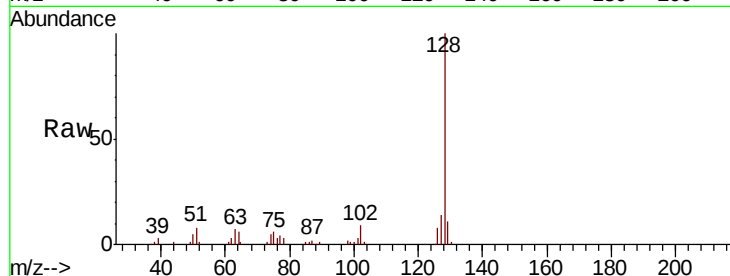




#71
Naphthalene
Concen: 4.309 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Instrument :
MSVOA_U
ClientSampleId :
VSTD00504

Tot Ion:128 Resp: 49110
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.3 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 4.648 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040993.D
Acq: 28 Oct 2020 11:46

Tgt Ion:180 Resp: 27782
Ion Ratio Lower Upper
180 100
182 94.2 76.7 115.1
145 34.6 27.4 41.0

