

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102820\
 Data File : VU040994.D
 Acq On : 28 Oct 2020 12:09
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Oct 29 01:30:31 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	64131	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	62950	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	33038	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	46178	10.82	ug/L	0.00
7) Chloroethane-d5	1.92	69	38009	10.81	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	65	21695	10.03	ug/L	0.00
20) 2-Butanone-d5	4.66	46	182496	112.16	ug/L	0.00
24) Chloroform-d	5.08	84	89096	10.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	54298	10.18	ug/L	0.00
32) Benzene-d6	5.74	84	164010	10.07	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	53775	9.90	ug/L	0.00
41) Toluene-d8	7.91	98	146910	10.14	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	24475	11.05	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	141583	123.10	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	49820	10.71	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	53342	9.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	54821	8.444 ug/L	100
3) Chloromethane	1.53	50	56489	8.773 ug/L	99
5) Vinyl chloride	1.61	62	57647	9.038 ug/L	99
6) Bromomethane	1.87	94	31084	9.139 ug/L	97
8) Chloroethane	1.94	64	34845	9.206 ug/L	96
9) Trichlorofluoromethane	2.15	101	77967	9.059 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	45807	8.731 ug/L	98
12) 1,1-Dichloroethene	2.59	96	43435	8.832 ug/L	90
13) Acetone	2.68	43	118028	97.855 ug/L	87
14) Carbon disulfide	2.81	76	141186	8.356 ug/L	98
15) Methyl Acetate	2.97	43	28179	9.412 ug/L	99
16) Methylene chloride	3.06	84	48848	7.938 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	117434	9.131 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	44255	8.649 ug/L	98
19) 1,1-Dichloroethane	3.89	63	88025	8.657 ug/L	99
21) 2-Butanone	4.74	43	188351	95.202 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	47784	8.877 ug/L	96
23) Bromochloromethane	4.99	128	22541	8.865 ug/L	99
25) Chloroform	5.11	83	90614	8.877 ug/L	100
27) 1,2-Dichloroethane	5.81	62	67444	9.134 ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	76972	8.863 ug/L	99
30) Cyclohexane	5.40	56	78471	8.524 ug/L	99
31) Carbon tetrachloride	5.54	117	66822	9.031 ug/L	97
33) Benzene	5.79	78	191218	8.972 ug/L	100
34) Trichloroethene	6.55	95	47380	8.605 ug/L	99
35) Methylcyclohexane	6.77	83	74634	8.788 ug/L	96
37) 1,2-Dichloropropane	6.80	63	50818	8.498 ug/L	99
38) Bromodichloromethane	7.11	83	65145	8.985 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	72652	9.055 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	431570	95.960 ug/L	97

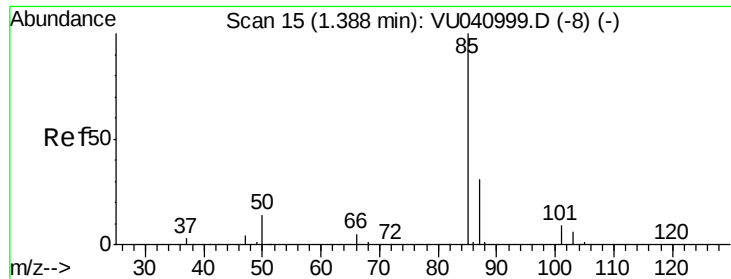
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102820\
 Data File : VU040994.D
 Acq On : 28 Oct 2020 12:09
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Oct 29 01:30:31 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)
42) Toluene	7.98	91	198499	9.207	ug/L	99
44) trans-1,3-Dichloropropene	8.21	75	69383	9.359	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	37718	9.277	ug/L	100
47) Tetrachloroethene	8.56	164	35063	8.772	ug/L	96
48) 2-Hexanone	8.69	43	319003	97.034	ug/L	97
49) Dibromochloromethane	8.82	129	44357	9.496	ug/L	98
50) 1,2-Dibromoethane	8.93	107	35489	9.055	ug/L	98
51) Chlorobenzene	9.45	112	121422	8.768	ug/L	97
52) Ethylbenzene	9.57	91	212263	9.028	ug/L	99
53) m,p-Xylene	9.69	106	78608	9.279	ug/L	95
54) o-Xylene	10.10	106	75187	9.220	ug/L	97
55) Styrene	10.11	104	134773	9.569	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.78	83	49185	9.185	ug/L	92
59) Bromoform	10.29	173	24368	9.158	ug/L	97
60) Isopropylbenzene	10.48	105	201392	8.972	ug/L	99
61) 1,2,3-Trichloropropane	10.82	75	37545	8.840	ug/L	96
62) 1,3,5-Trimethylbenzene	11.09	105	167911	9.333	ug/L	99
63) 1,2,4-Trimethylbenzene	11.47	105	174217	9.530	ug/L	98
64) 1,3-Dichlorobenzene	11.74	146	95330	8.528	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	97145	8.417	ug/L	99
67) 1,2-Dichlorobenzene	12.20	146	91227	8.671	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	8964	8.965	ug/L	95
69) 1,3,5-Trichlorobenzene	13.21	180	66604	8.506	ug/L	98
70) 1,2,4-trichlorobenzene	13.83	180	57377	9.074	ug/L	98
71) Naphthalene	14.08	128	113472	10.429	ug/L	99
72) 1,2,3-Trichlorobenzene	14.32	180	55460	9.720	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 8.444 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

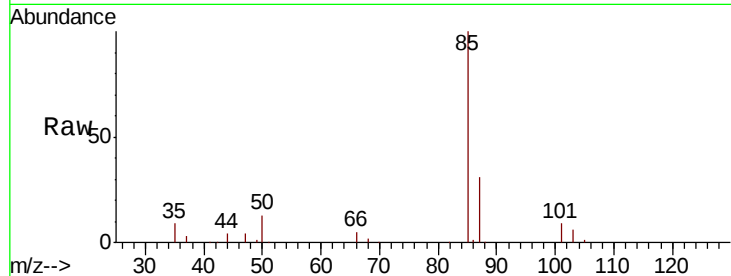
VSTD01005

Tot Ion: 85 Resp: 54821

Ion Ratio Lower Upper

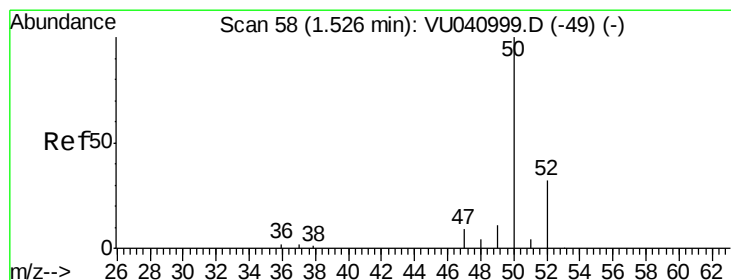
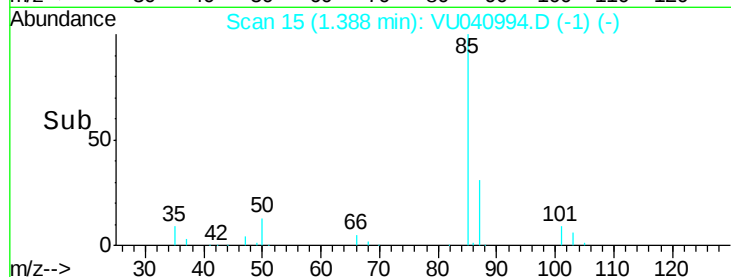
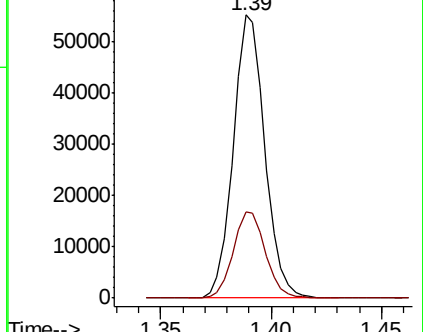
85 100

87 31.2 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU040999.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU040999.D (-8) (-)



#3

Chloromethane

Concen: 8.773 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040994.D

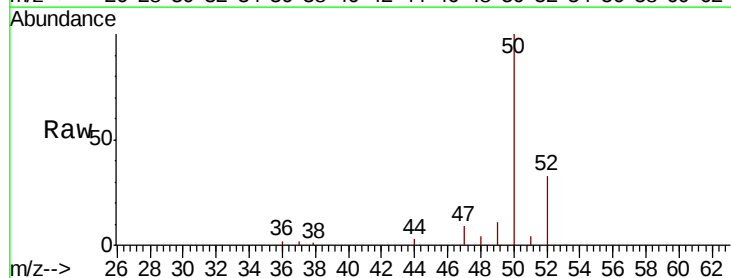
Acq: 28 Oct 2020 12:09

Tgt Ion: 50 Resp: 56489

Ion Ratio Lower Upper

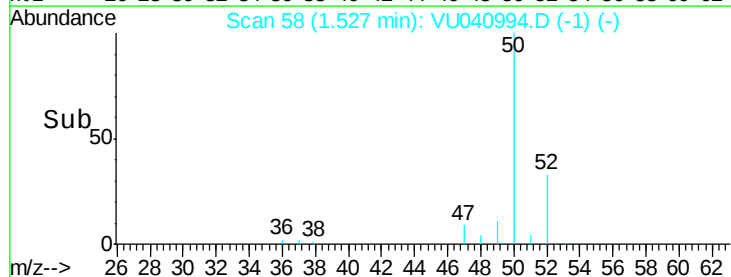
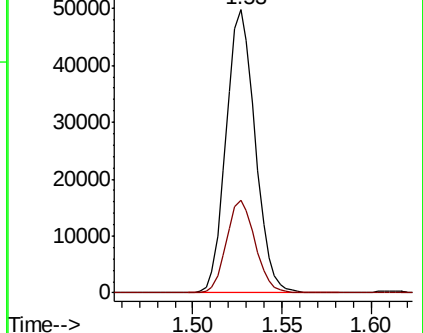
50 100

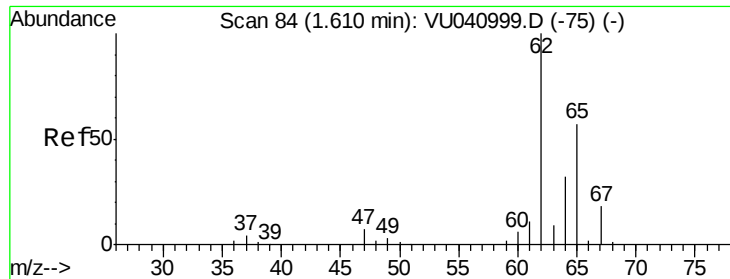
52 32.7 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU040999.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040999.D (-49) (-)





#5

Vinyl chloride

Concen: 9.038 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

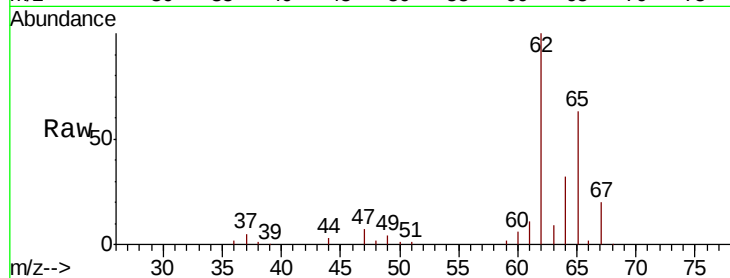
VSTD01005

Tot Ion: 62 Resp: 57647

Ion Ratio Lower Upper

62 100

64 31.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU040999.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040999.D (-75) (-)

1.61

60000

50000

40000

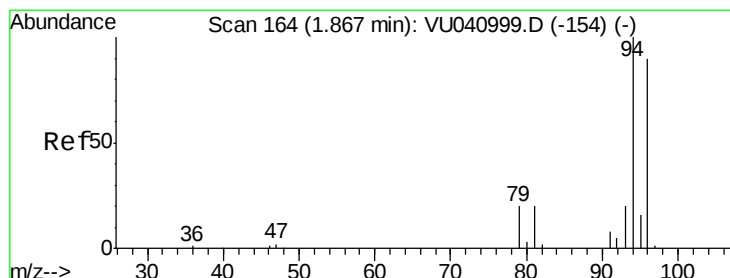
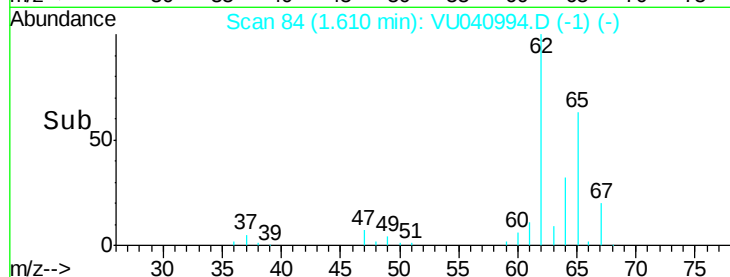
30000

20000

10000

0

Time--> 1.55 1.60 1.65



#6

Bromomethane

Concen: 9.139 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040994.D

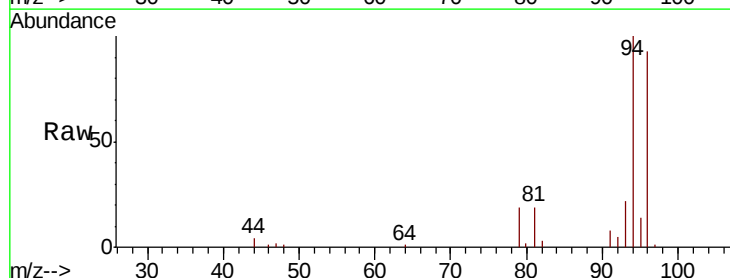
Acq: 28 Oct 2020 12:09

Tgt Ion: 94 Resp: 31084

Ion Ratio Lower Upper

94 100

96 93.5 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VU040999.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU040999.D (-154) (-)

1.87

25000

20000

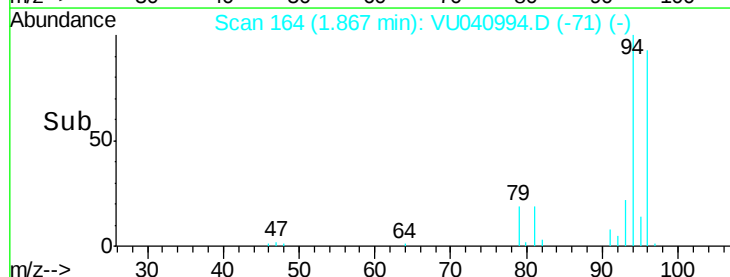
15000

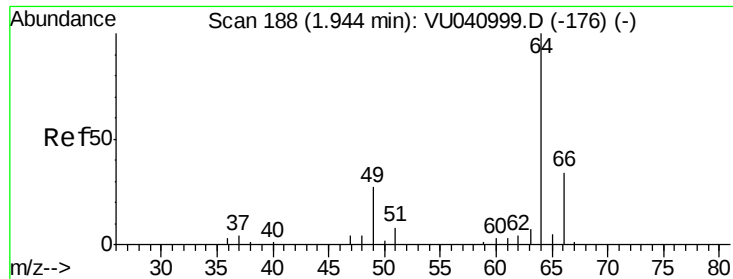
10000

5000

0

Time--> 1.80 1.85 1.90

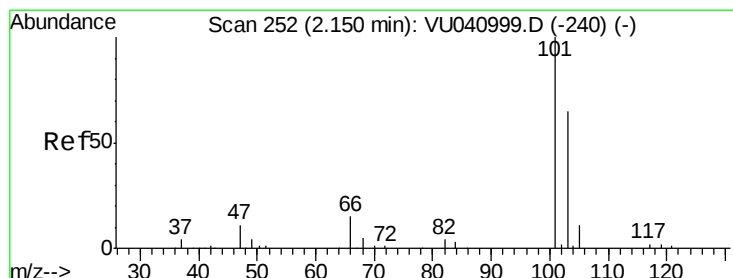
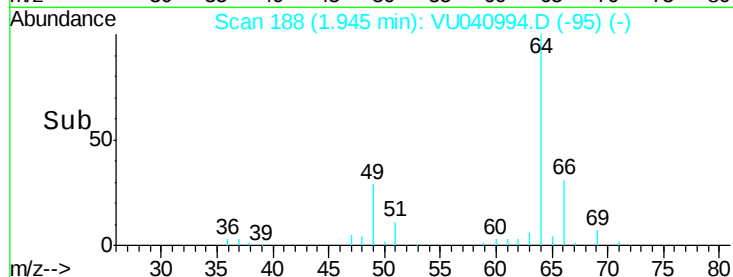
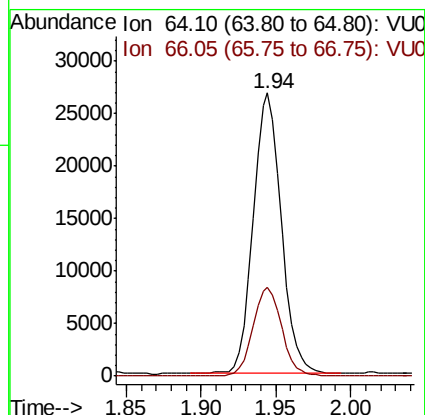
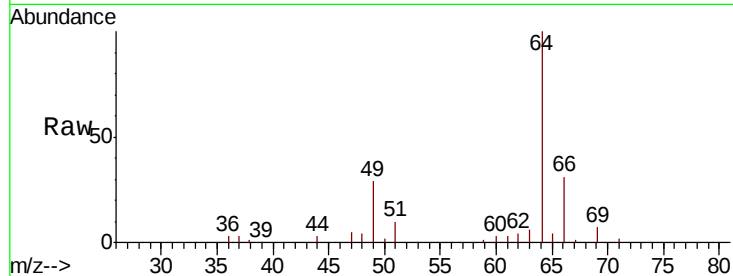




#8
Chloroethane
Concen: 9.206 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

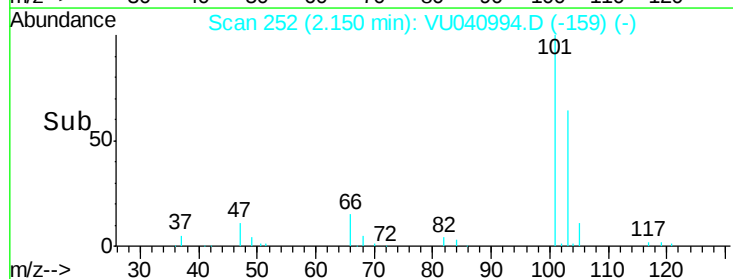
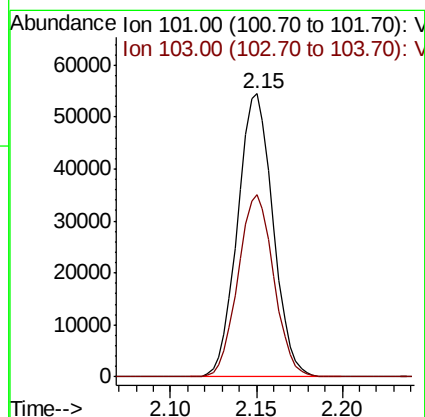
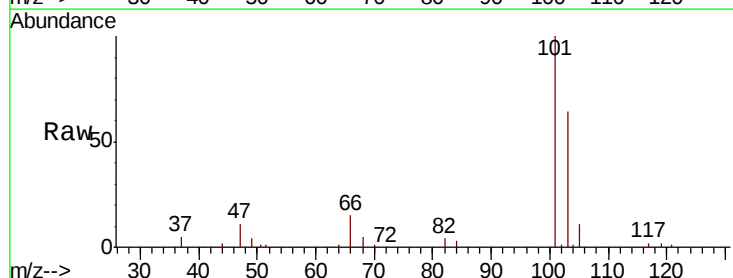
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

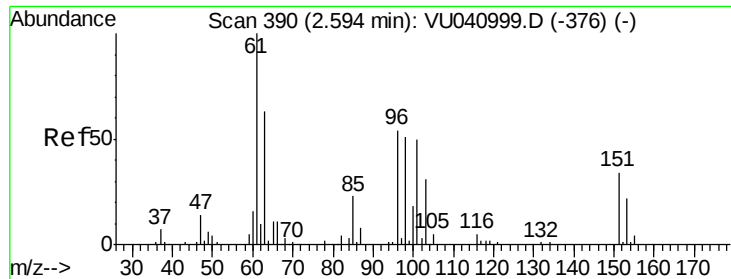
Tot Ion: 64 Resp: 34845
Ion Ratio Lower Upper
64 100
66 31.2 23.4 43.6



#9
Trichlorofluoromethane
Concen: 9.059 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion: 101 Resp: 77967
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.4





#10

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

Concen: 8.731 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

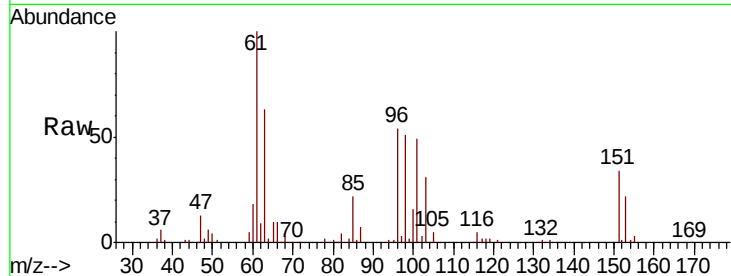
Tot Ion:101 Resp: 45807

Ion Ratio Lower Upper

101 100

85 45.5 38.1 57.1

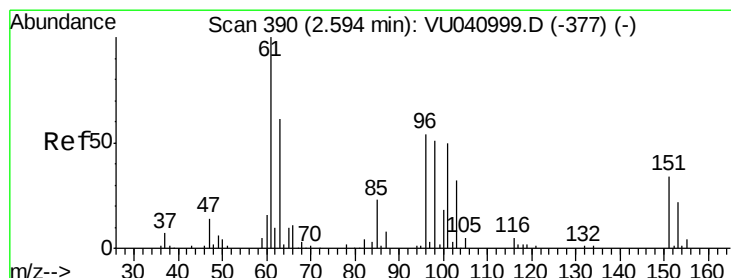
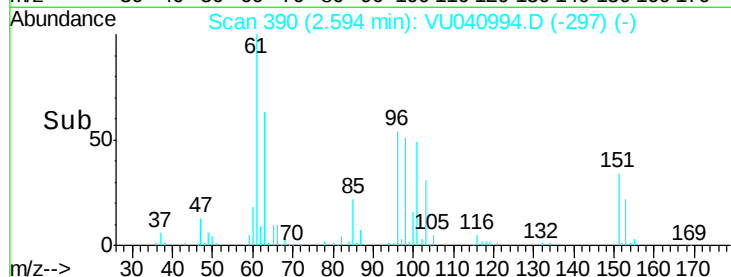
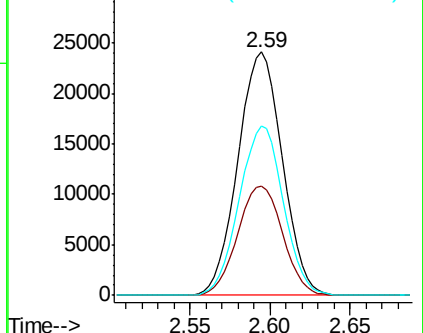
151 69.2 56.0 84.0



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: 8.832 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

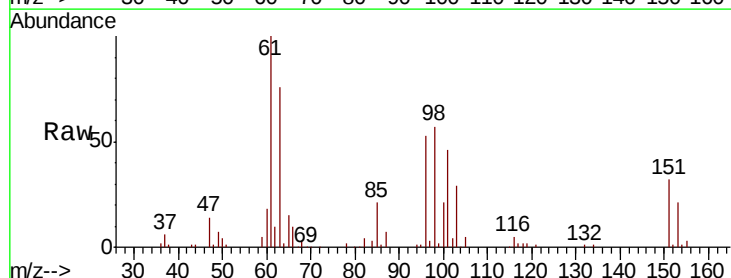
Tgt Ion: 96 Resp: 43435

Ion Ratio Lower Upper

96 100

61 190.0 130.2 241.8

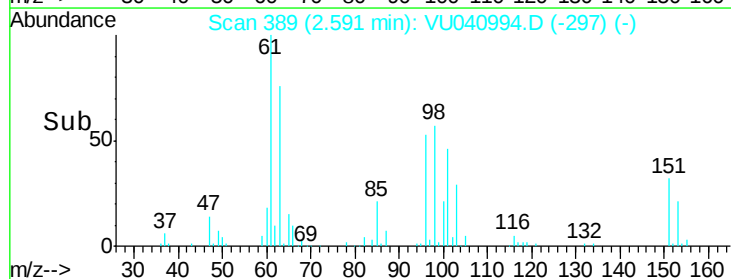
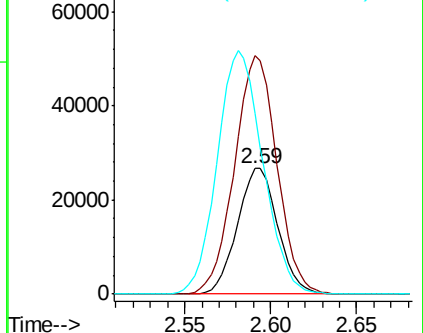
63 144.4 83.7 155.5

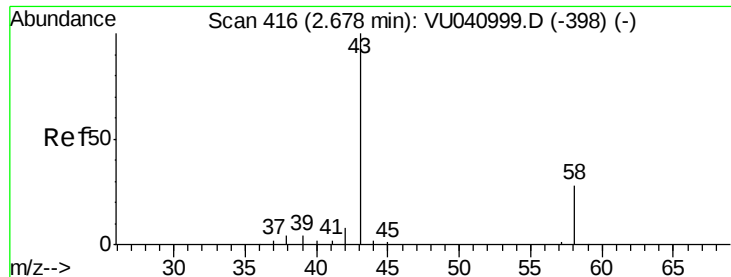


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 97.855 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

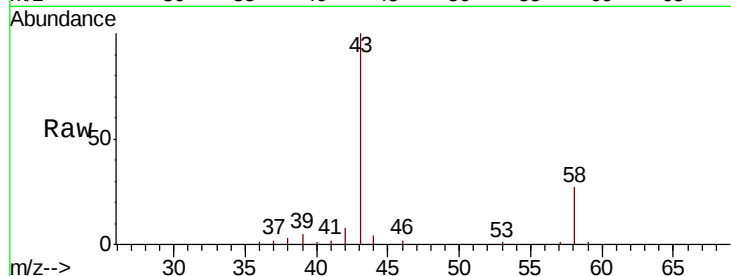
VSTD01005

Tot Ion: 43 Resp: 118028

Ion Ratio Lower Upper

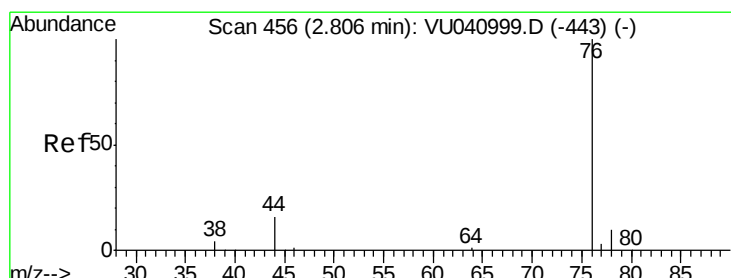
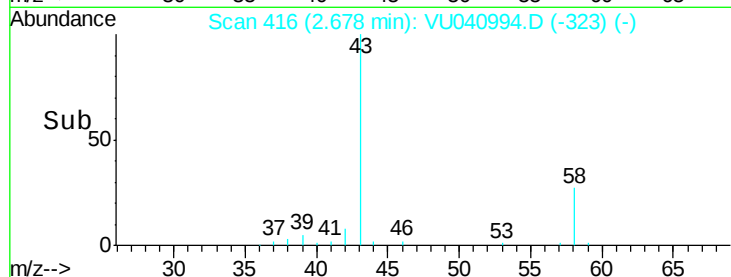
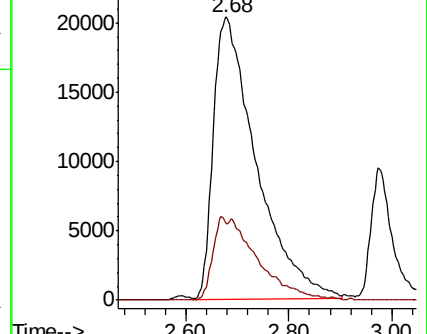
43 100

58 9.9 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-398) (-)

Ion 58.05 (57.75 to 58.75): VU040999.D (-398) (-)



#14

Carbon disulfide

Concen: 8.356 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040994.D

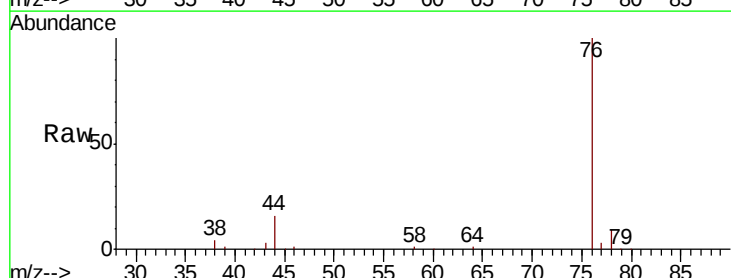
Acq: 28 Oct 2020 12:09

Tgt Ion: 76 Resp: 141186

Ion Ratio Lower Upper

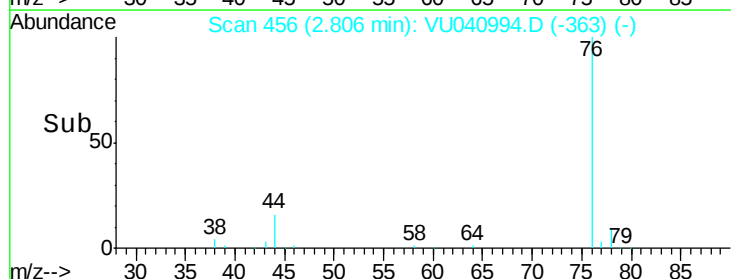
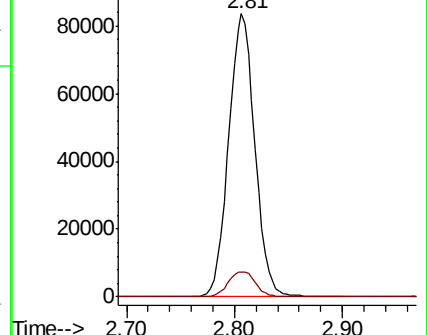
76 100

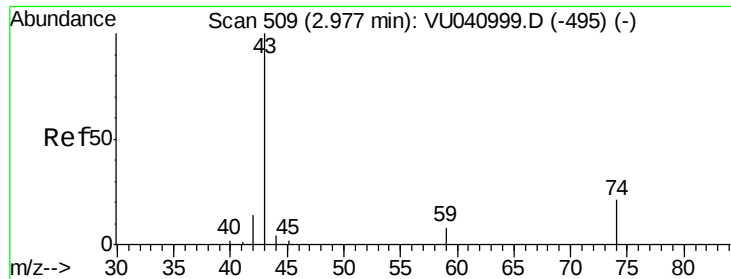
78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VU040999.D (-443) (-)

Ion 78.00 (77.70 to 78.70): VU040999.D (-443) (-)

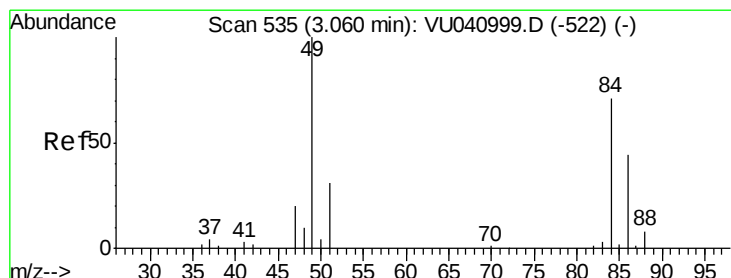
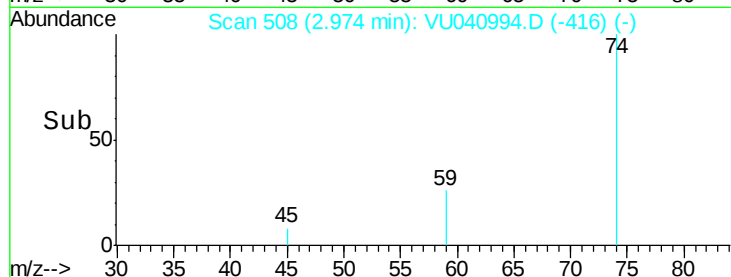
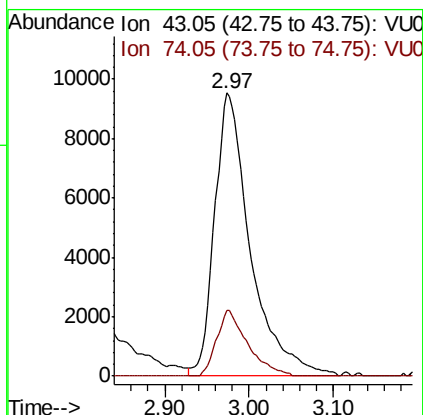
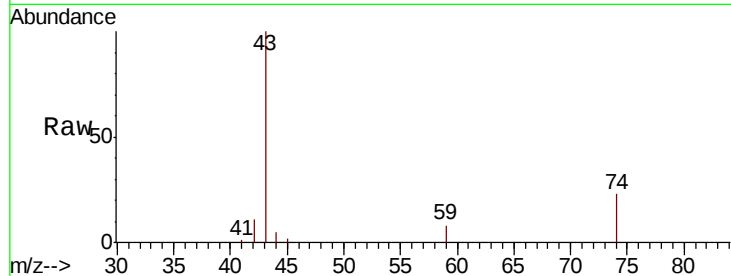




#15
Methvl Acetate
Concen: 9.412 ug/L
RT: 2.97 min Scan# 508
Delta R.T. -0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

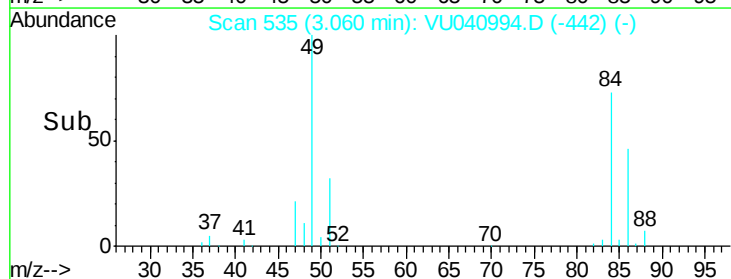
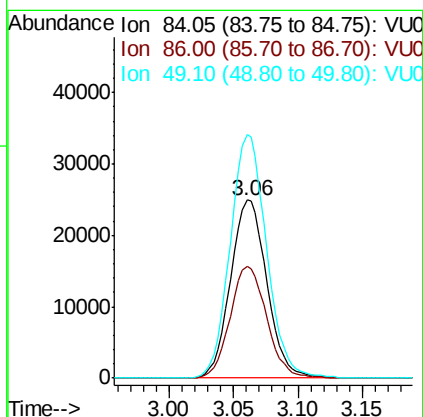
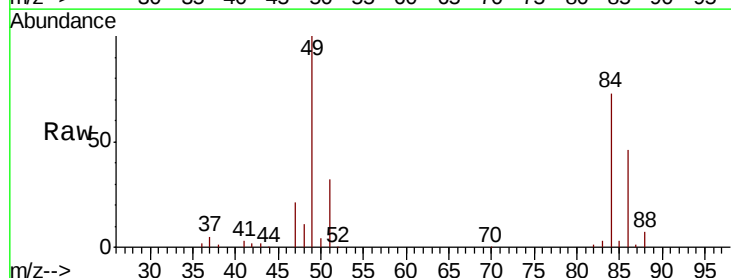
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

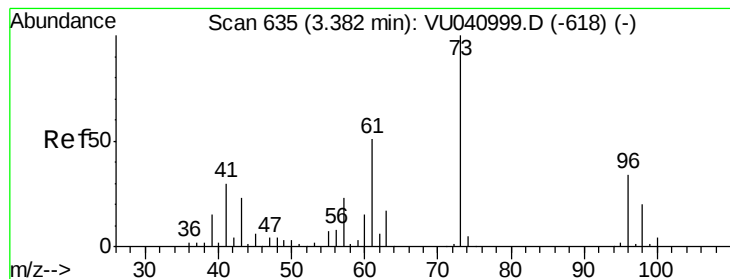
Tot Ion: 43 Resp: 28179
Ion Ratio Lower Upper
43 100
74 20.2 15.6 23.4



#16
Methylene chloride
Concen: 7.938 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion: 84 Resp: 48848
Ion Ratio Lower Upper
84 100
86 62.8 44.2 82.0
49 136.7 99.3 184.3





#17

Methyl tert-butyl Ether

Concen: 9.131 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

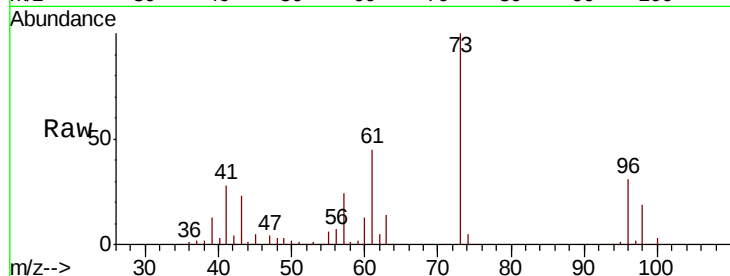
Tot Ion: 73 Resp: 117434

Ion Ratio Lower Upper

73 100

43 23.1 19.5 29.3

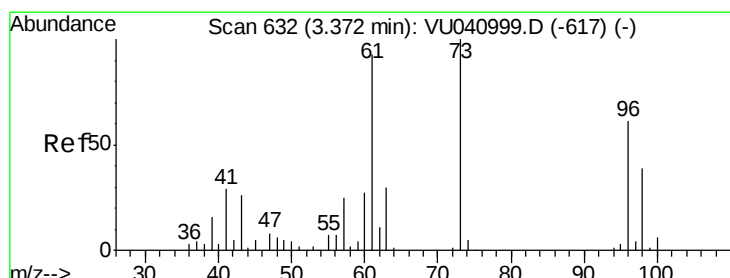
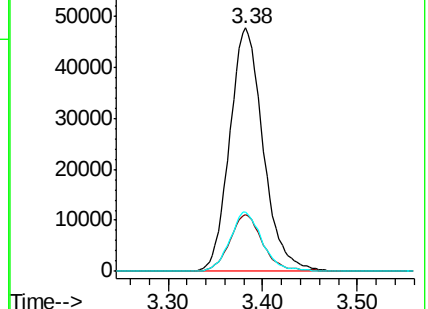
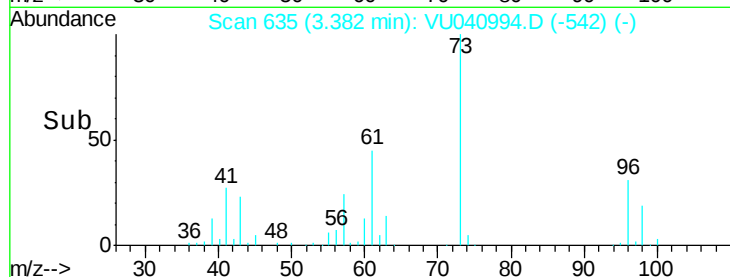
57 23.4 18.9 28.3



Abundance Ion 73.10 (72.80 to 73.80): VU040999.D (-618) (-)

Ion 43.05 (42.75 to 43.75): VU040999.D (-618) (-)

Ion 57.10 (56.80 to 57.80): VU040999.D (-618) (-)



#18

trans-1,2-Dichloroethene

Concen: 8.649 ug/L

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

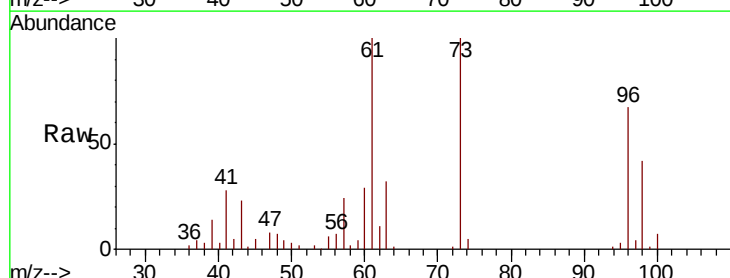
Tgt Ion: 96 Resp: 44255

Ion Ratio Lower Upper

96 100

61 150.2 107.2 199.0

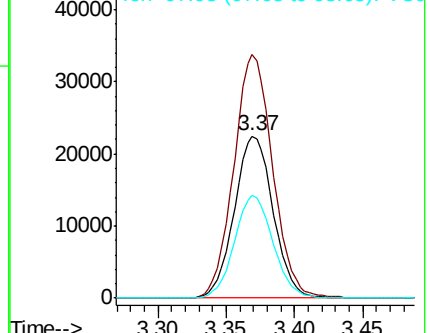
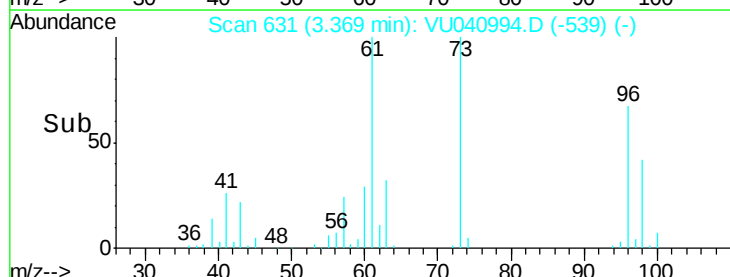
98 63.2 44.6 82.8

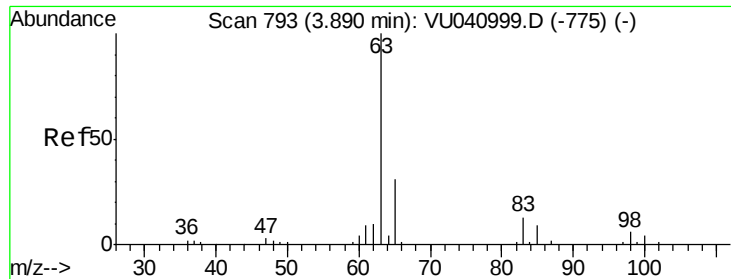


Abundance Ion 96.00 (95.70 to 96.70): VU040999.D (-617) (-)

Ion 61.05 (60.75 to 61.75): VU040999.D (-617) (-)

Ion 97.95 (97.65 to 98.65): VU040999.D (-617) (-)

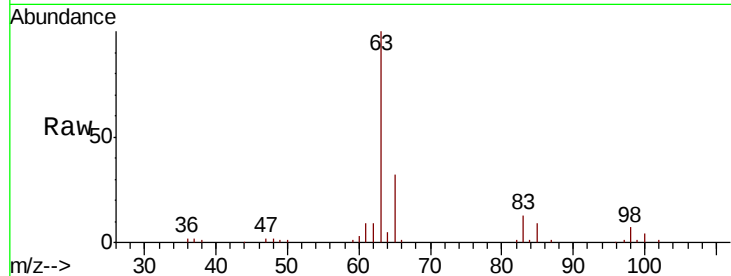




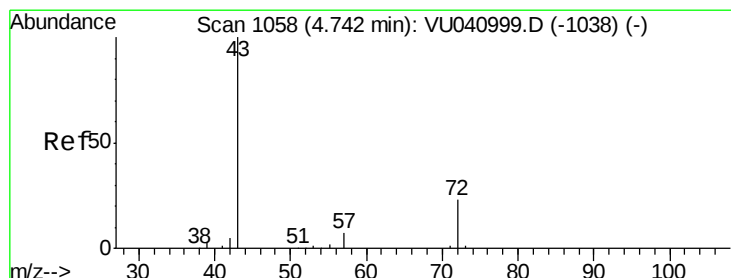
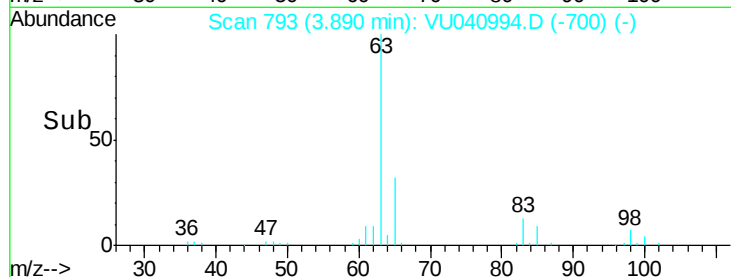
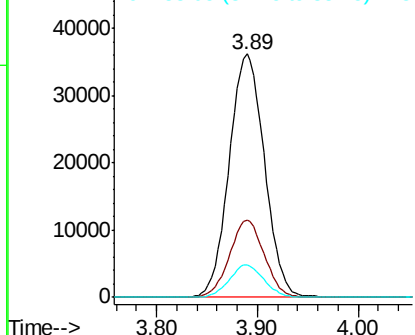
#19
 1,1-Dichloroethane
 Concen: 8.657 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 63 Resp: 88025
 Ion Ratio Lower Upper
 63 100
 65 31.6 21.8 40.4
 83 13.2 9.3 17.3

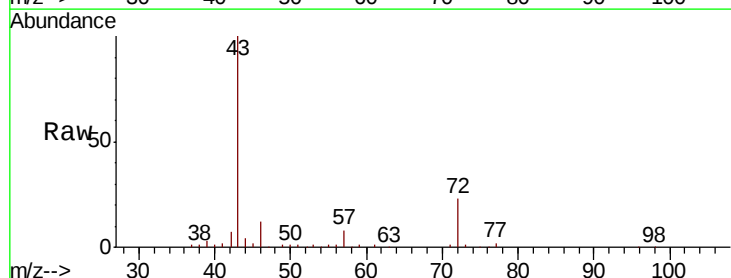


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

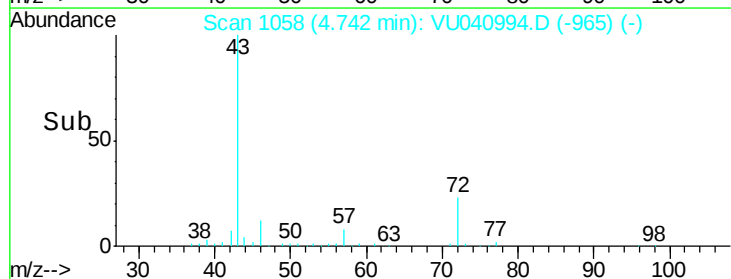
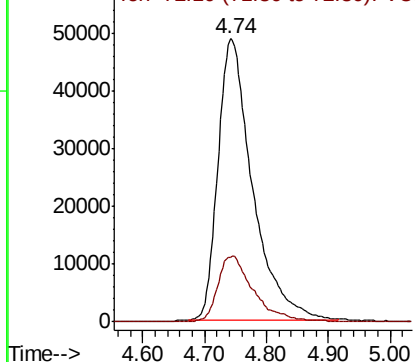


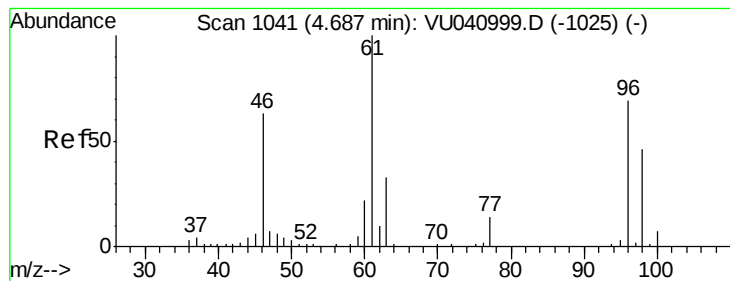
#21
 2-Butanone
 Concen: 95.202 ug/L
 RT: 4.74 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 43 Resp: 188351
 Ion Ratio Lower Upper
 43 100
 72 24.4 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: 8.877 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

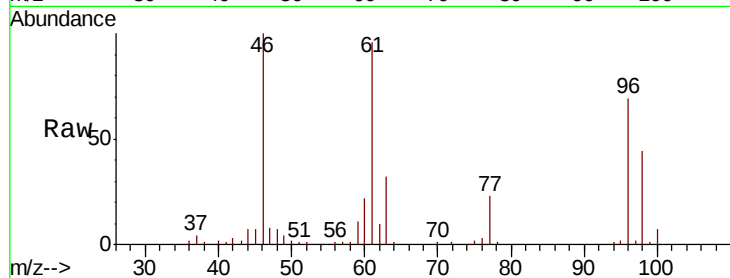
Tot Ion: 96 Resp: 47784

Ion Ratio Lower Upper

96 100

61 138.8 101.7 188.9

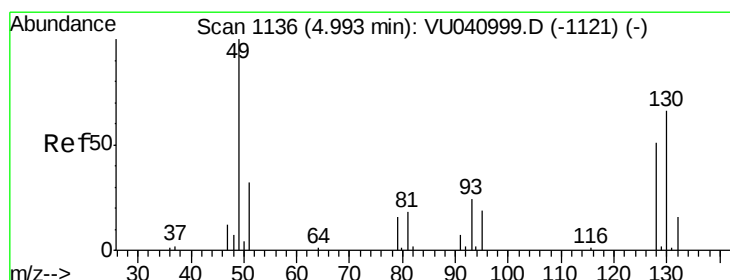
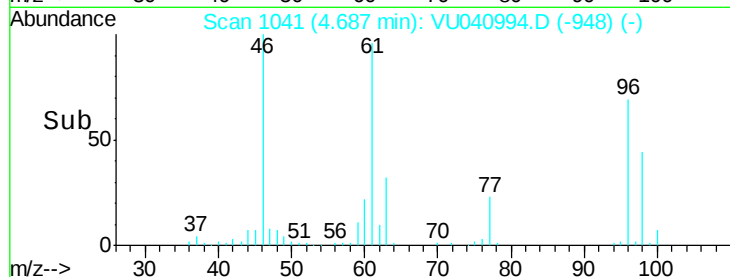
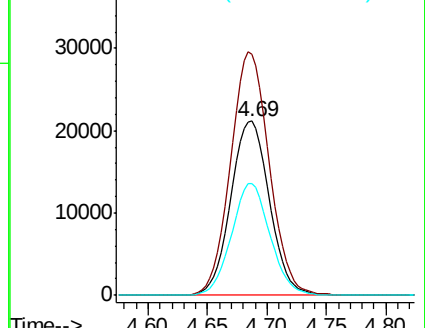
98 64.6 46.4 86.2



Abundance Ion 96.00 (95.70 to 96.70): VU040994.D (-1025) (-)

Ion 61.05 (60.75 to 61.75): VU040994.D (-1025) (-)

Ion 98.00 (97.70 to 98.70): VU040994.D (-1025) (-)



#23

Bromochloromethane

Concen: 8.865 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Tgt Ion: 128 Resp: 22541

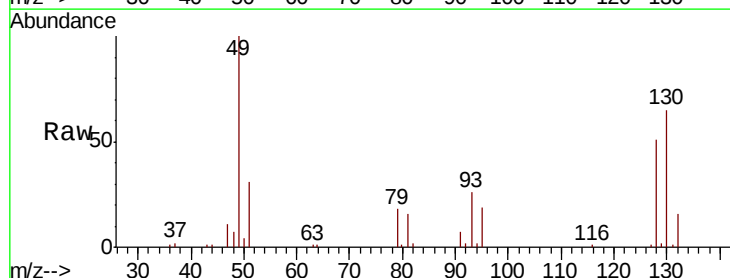
Ion Ratio Lower Upper

128 100

49 197.4 137.5 255.4

130 129.2 90.2 167.4

51 60.4 49.8 74.6

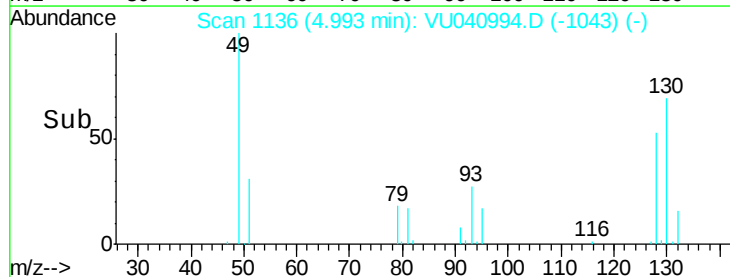
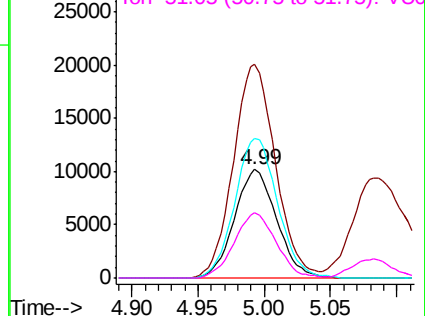


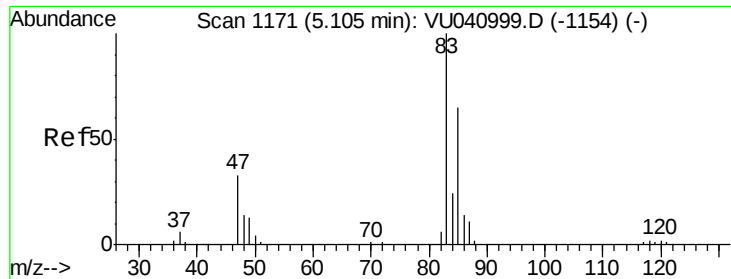
Abundance Ion 127.90 (127.60 to 128.60): VU040994.D (-1121) (-)

Ion 49.10 (48.80 to 49.80): VU040994.D (-1121) (-)

Ion 129.95 (129.65 to 130.65): VU040994.D (-1121) (-)

Ion 51.05 (50.75 to 51.75): VU040994.D (-1121) (-)

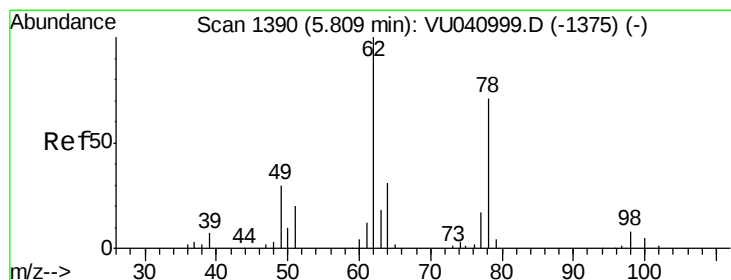
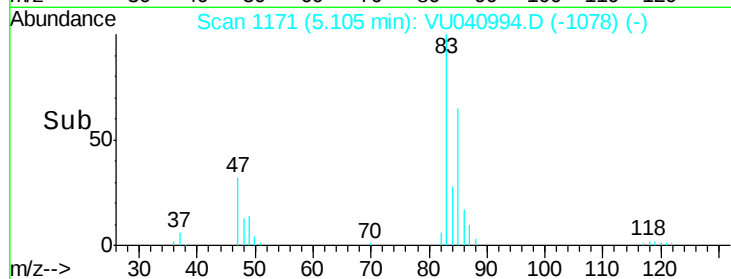
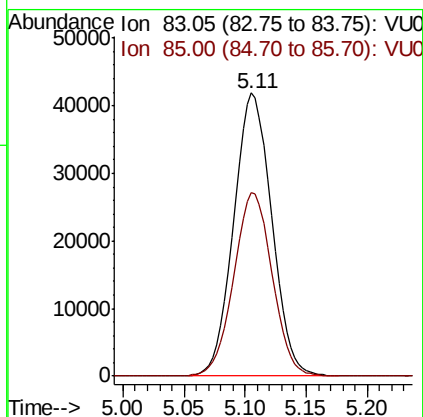
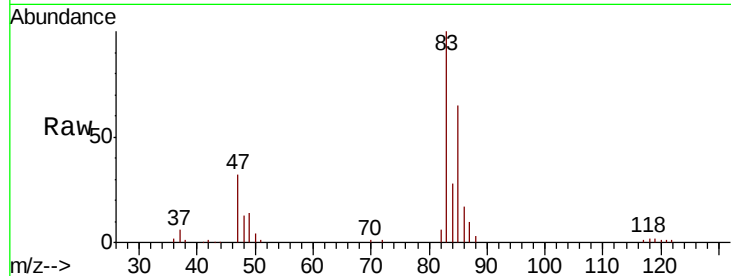




#25
Chloroform
Concen: 8.877 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

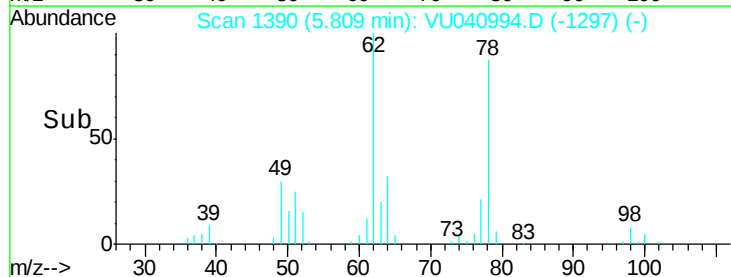
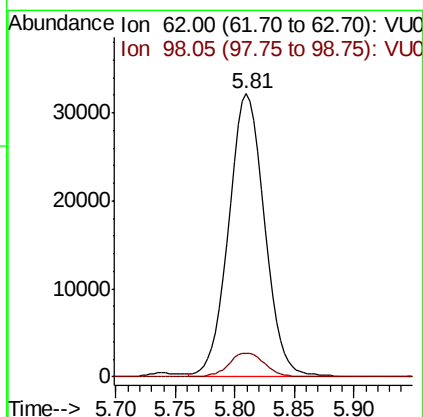
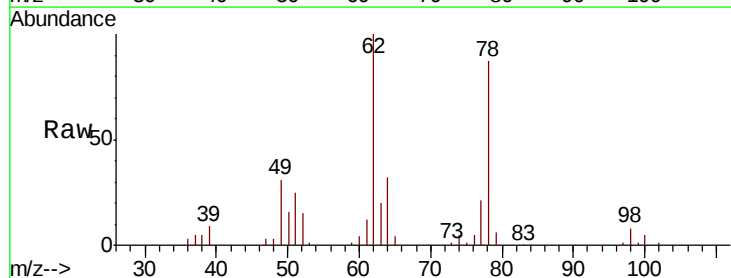
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

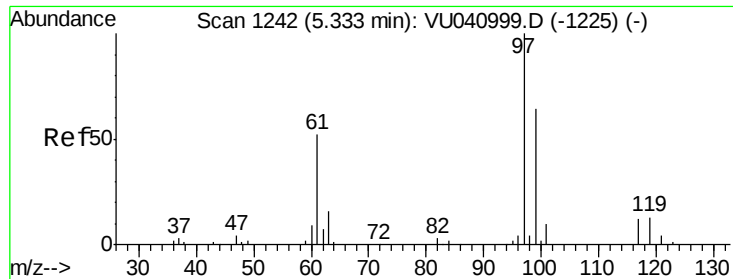
Tot Ion: 83 Resp: 90614
Ion Ratio Lower Upper
83 100
85 64.6 45.5 84.5



#27
1,2-Dichloroethane
Concen: 9.134 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion: 62 Resp: 67444
Ion Ratio Lower Upper
62 100
98 8.2 6.1 9.1

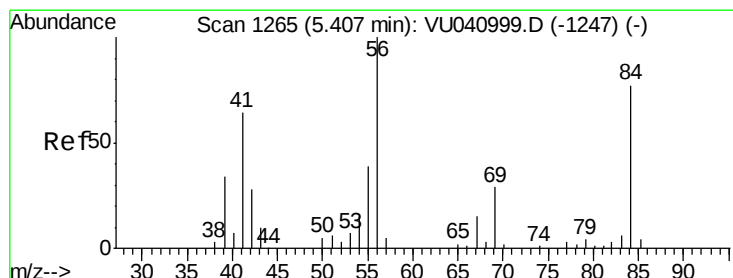
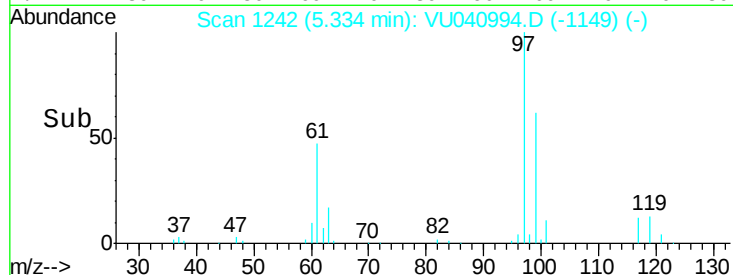
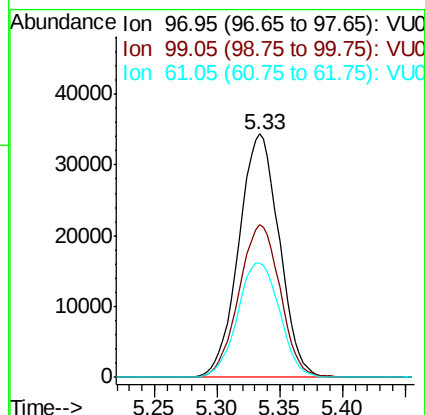
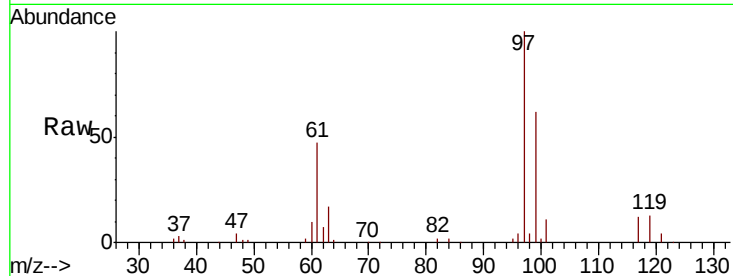




#29
 1,1,1-Trichloroethane
 Concen: 8.863 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

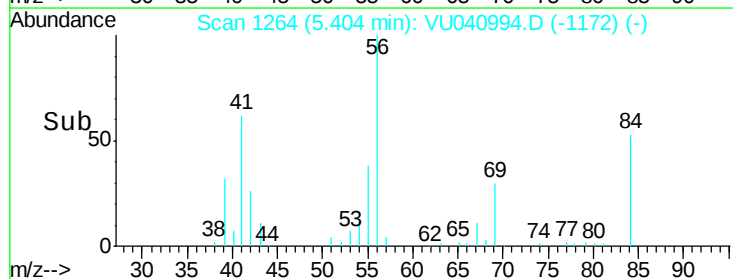
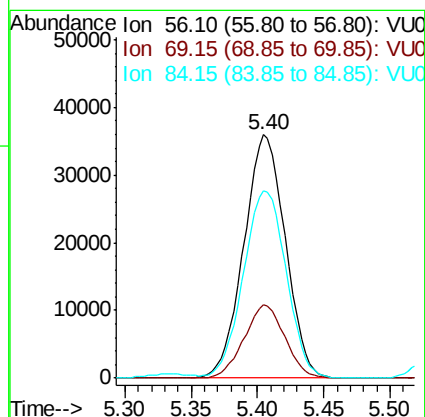
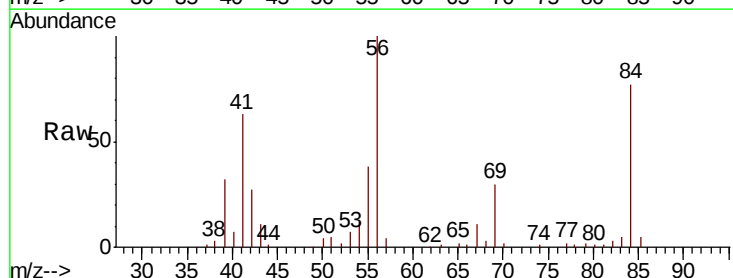
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

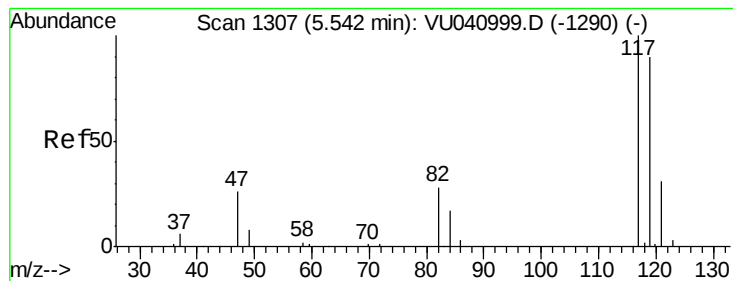
Tot Ion: 97 Resp: 76972
 Ion Ratio Lower Upper
 97 100
 99 64.0 50.2 75.2
 61 48.9 39.6 59.4



#30
 Cyclohexane
 Concen: 8.524 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 56 Resp: 78471
 Ion Ratio Lower Upper
 56 100
 69 29.5 23.2 34.8
 84 79.6 62.9 94.3





#31

Carbon tetrachloride

Concen: 9.031 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

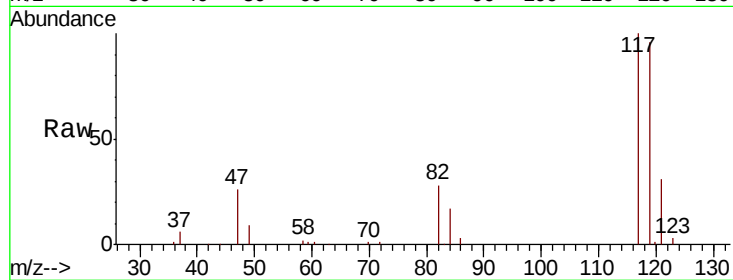
VSTD01005

Tot Ion:117 Resp: 66822

Ion Ratio Lower Upper

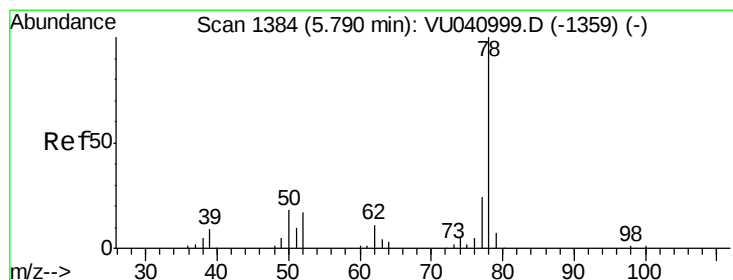
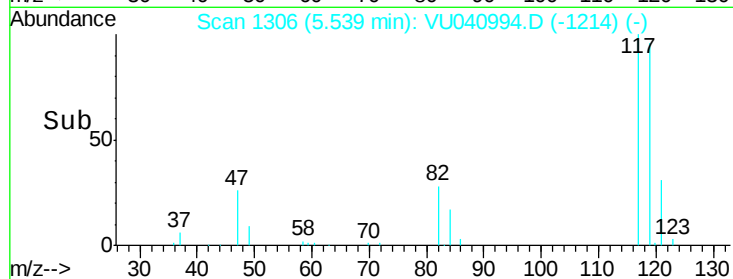
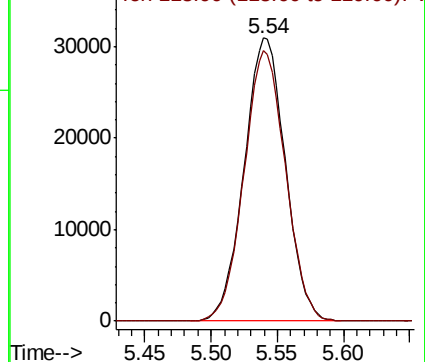
117 100

119 96.0 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: 8.972 ug/L

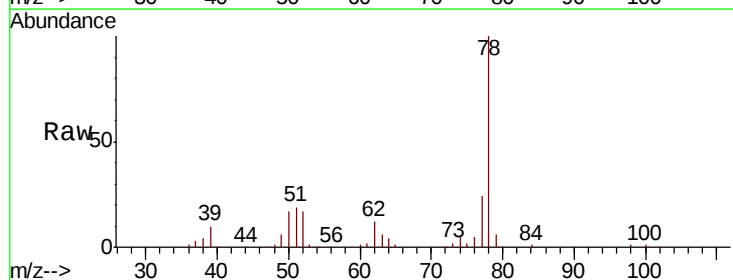
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

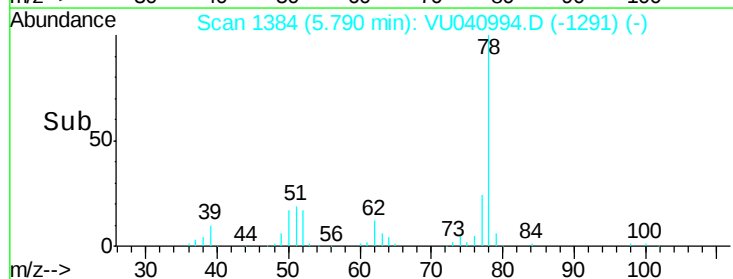
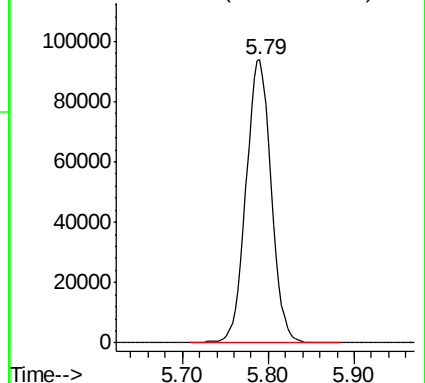
Lab File: VU040994.D

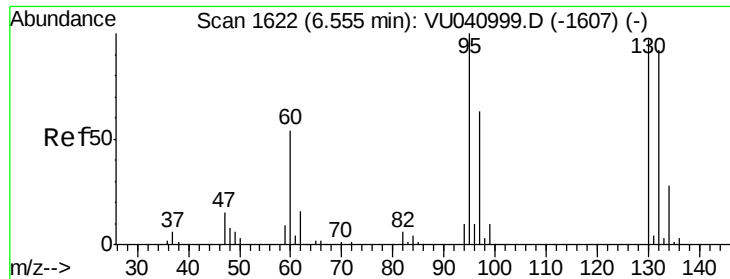
Acq: 28 Oct 2020 12:09

Tgt Ion: 78 Resp: 191218



Abundance Ion 78.10 (77.80 to 78.80): VU0

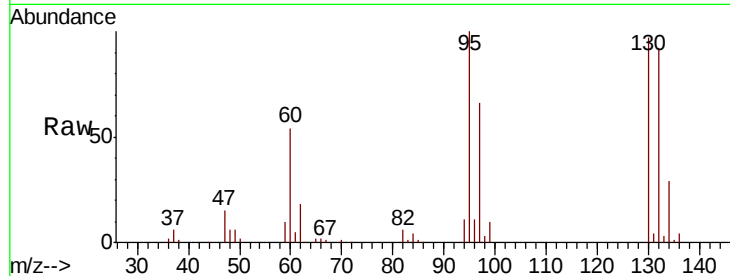




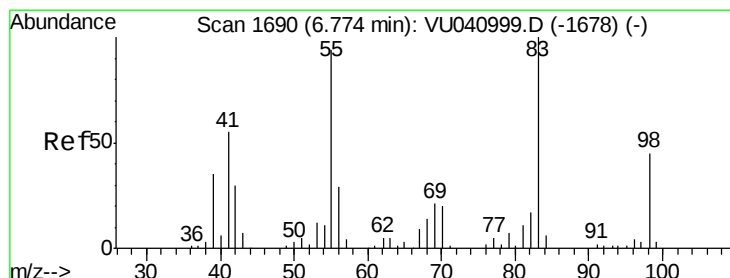
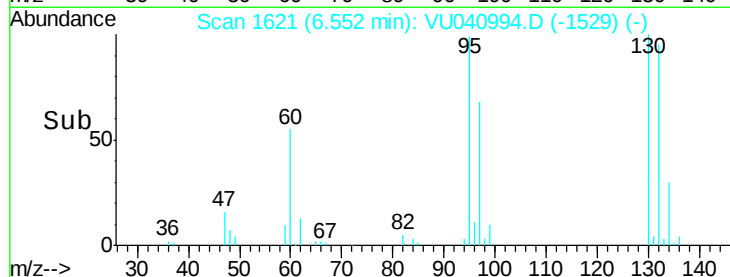
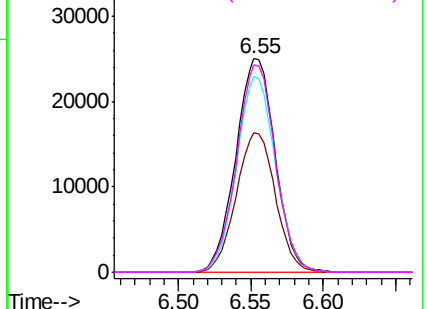
#34
 Trichloroethene
 Concen: 8.605 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 95 Resp: 47380
 Ion Ratio Lower Upper
 95 100
 97 65.6 43.8 81.4
 132 91.8 64.5 119.7
 130 96.8 67.6 125.6

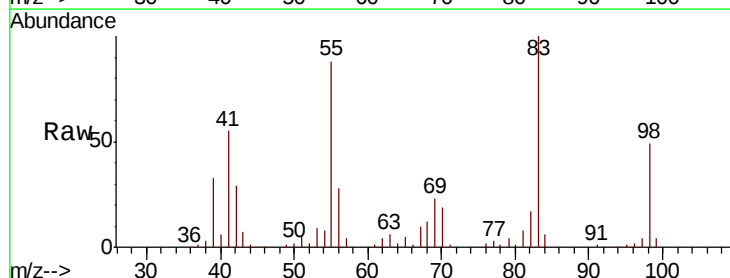


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

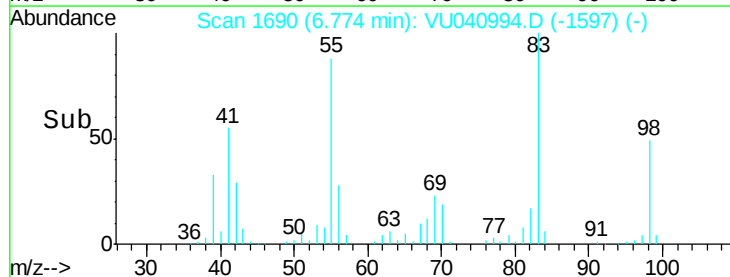
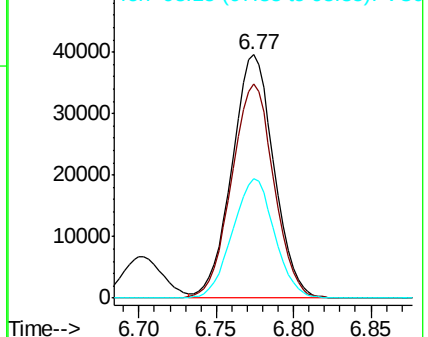


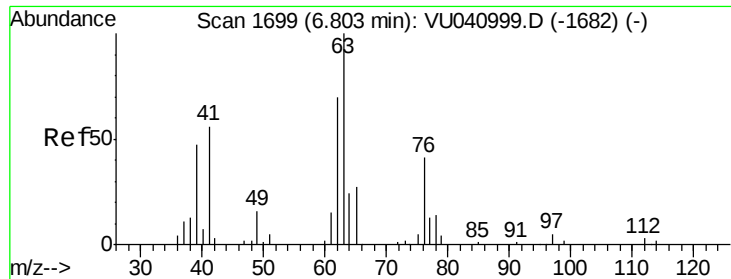
#35
 Methylcyclohexane
 Concen: 8.788 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 83 Resp: 74634
 Ion Ratio Lower Upper
 83 100
 55 88.6 72.7 109.1
 98 49.2 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

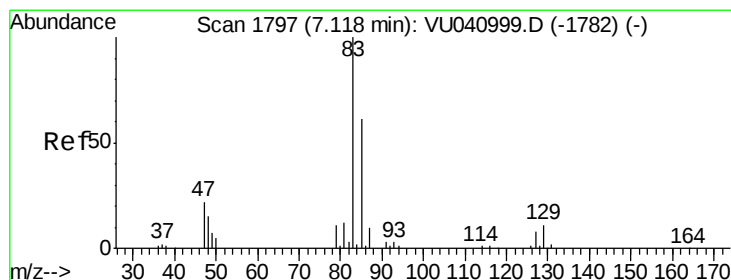
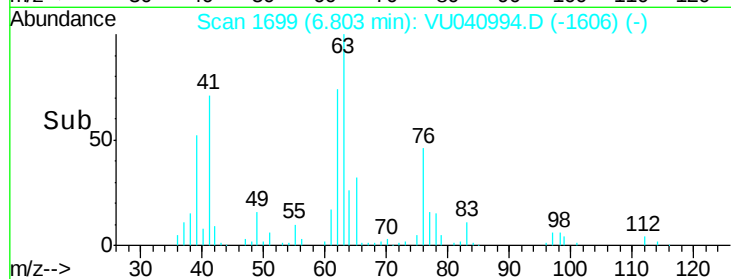
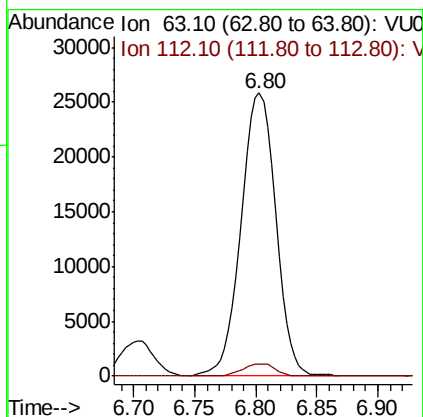
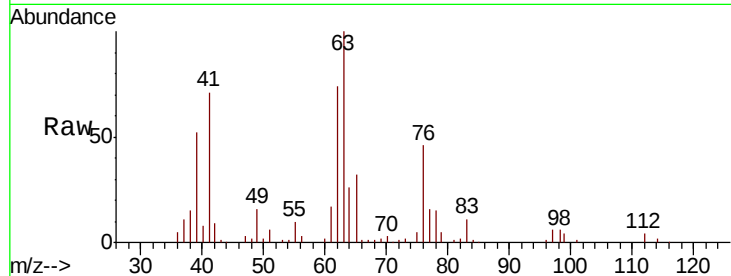




#37
 1,2-Dichloropropane
 Concen: 8.498 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

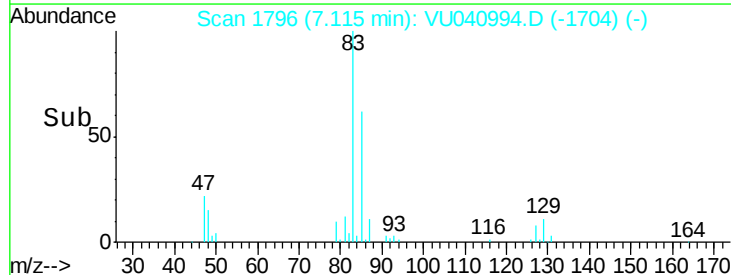
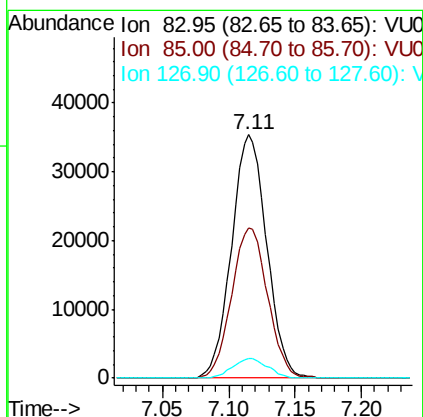
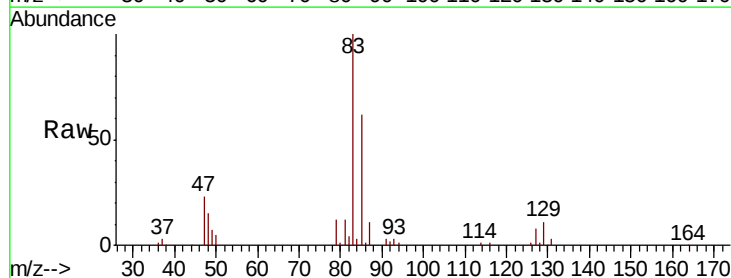
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

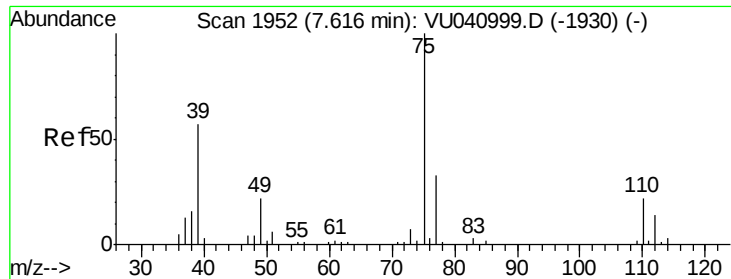
Tot Ion: 63 Resp: 50818
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.4



#38
 Bromodichloromethane
 Concen: 8.985 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 83 Resp: 65145
 Ion Ratio Lower Upper
 83 100
 85 61.8 42.9 79.7
 127 7.9 6.2 9.2

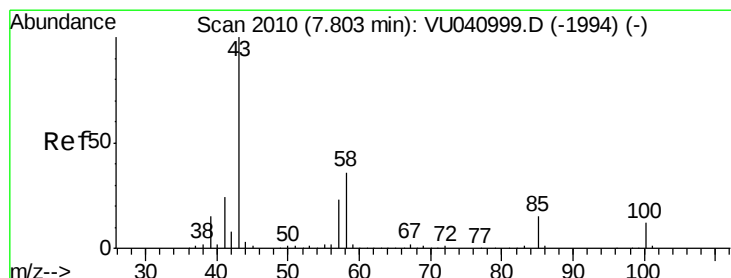
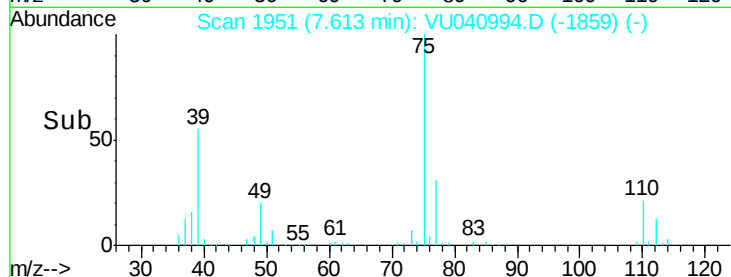
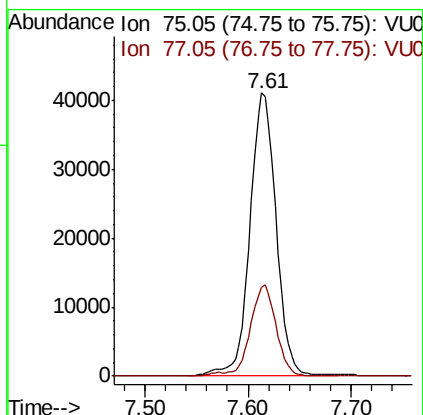
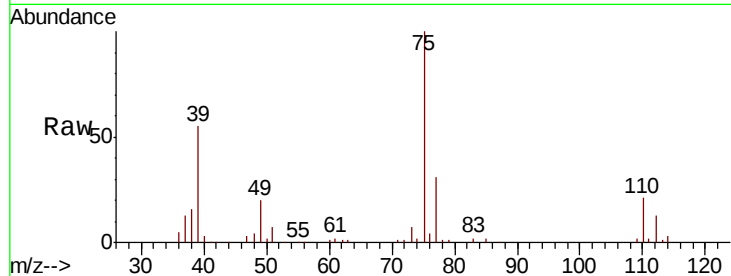




#39
 cis-1,3-Dichloropropene
 Concen: 9.055 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

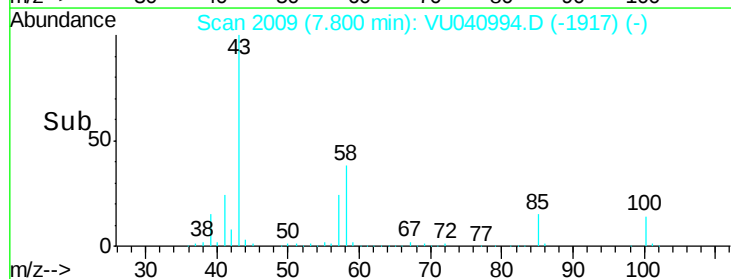
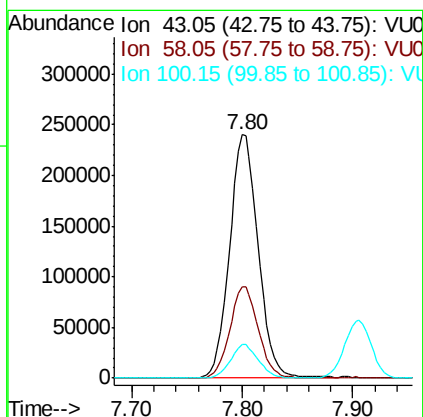
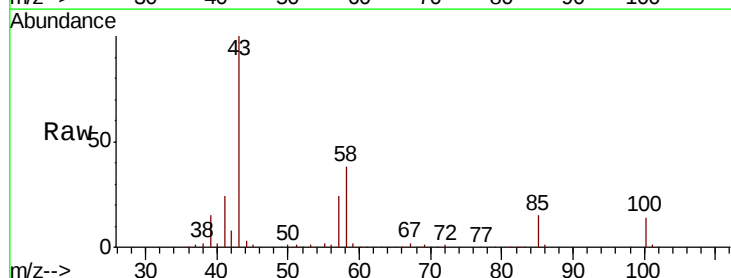
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

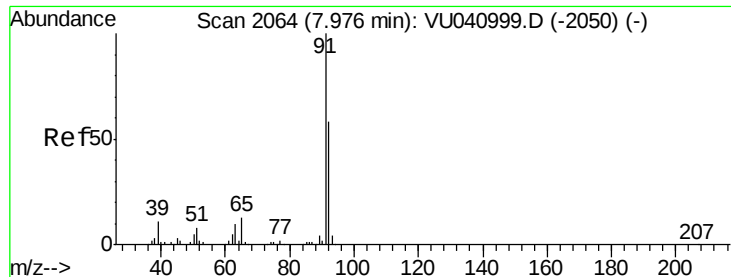
Tot Ion: 75 Resp: 72652
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 95.960 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 43 Resp: 431570
 Ion Ratio Lower Upper
 43 100
 58 37.2 28.6 43.0
 100 13.4 9.6 14.4





#42

Toluene

Concen: 9.207 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

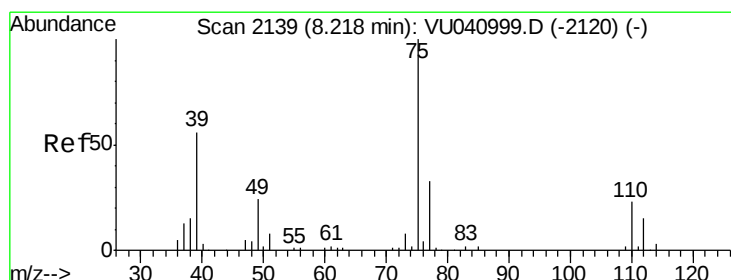
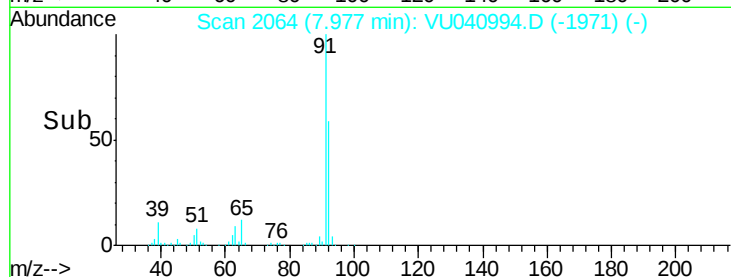
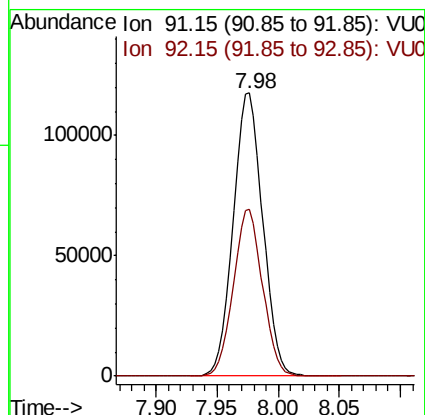
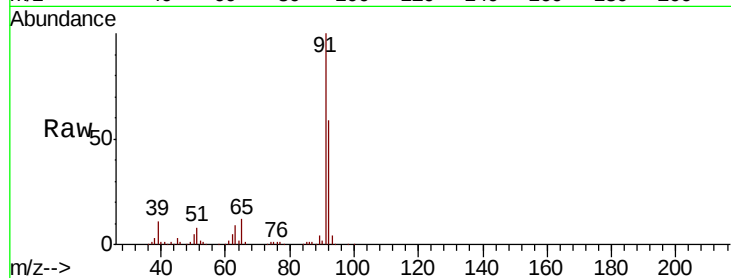
VSTD01005

Tot Ion: 91 Resp: 198499

Ion Ratio Lower Upper

91 100

92 58.9 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 9.359 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU040994.D

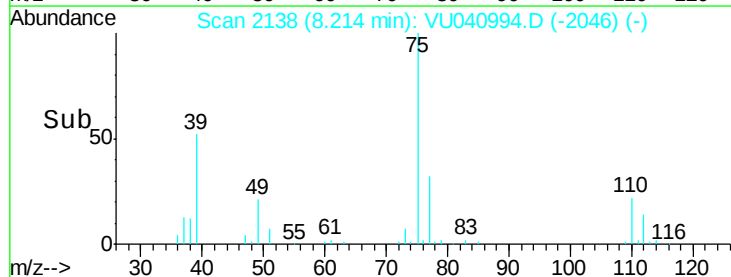
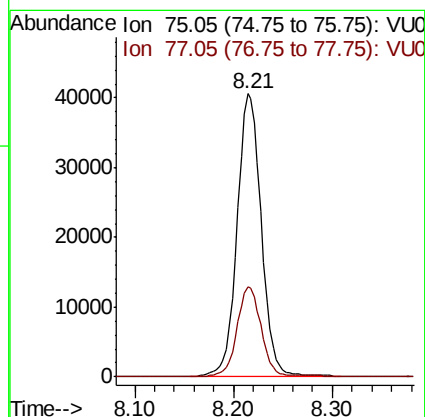
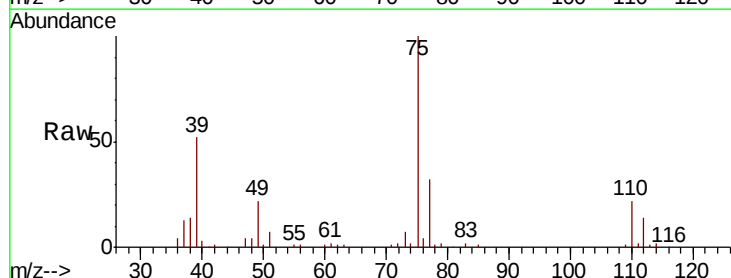
Acq: 28 Oct 2020 12:09

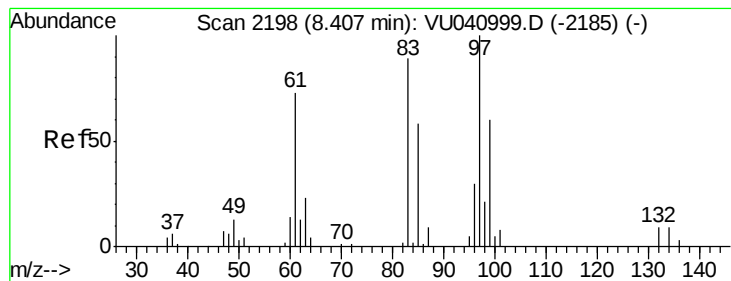
Tgt Ion: 75 Resp: 69383

Ion Ratio Lower Upper

75 100

77 32.1 23.0 42.6





#45

1,1,2-Trichloroethane

Concen: 9.277 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tot Ion: 97 Resp: 37718

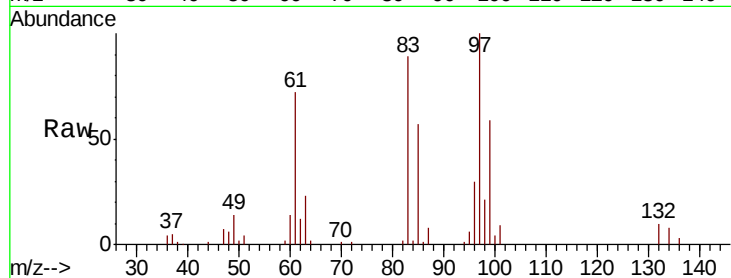
Ion Ratio Lower Upper

97 100

99 59.4 41.8 77.6

83 88.9 62.2 115.6

85 56.8 40.3 74.8

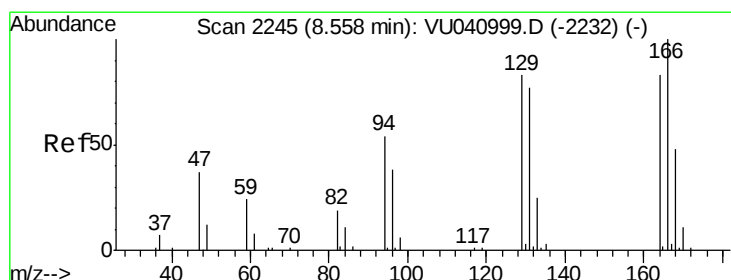
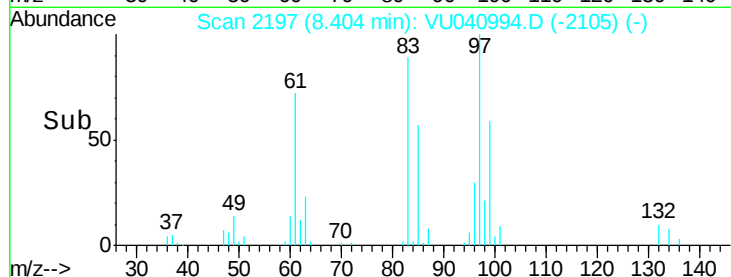
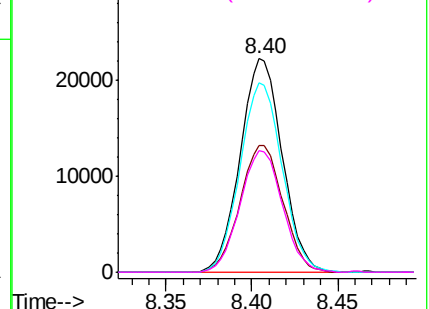


Abundance Ion 96.95 (96.65 to 97.65): VU040999.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU040999.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU040999.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU040999.D (-2185) (-)



#47

Tetrachloroethene

Concen: 8.772 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Tgt Ion: 164 Resp: 35063

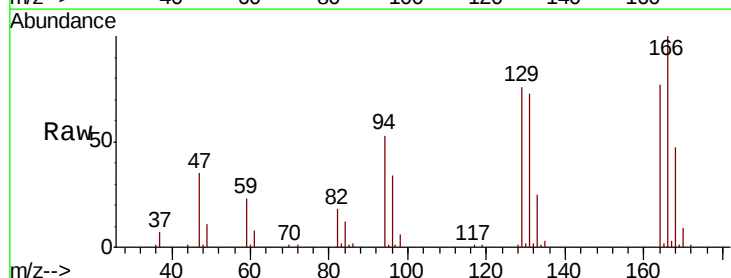
Ion Ratio Lower Upper

164 100

129 99.3 69.9 129.7

131 95.2 65.0 120.6

166 130.1 84.1 156.1

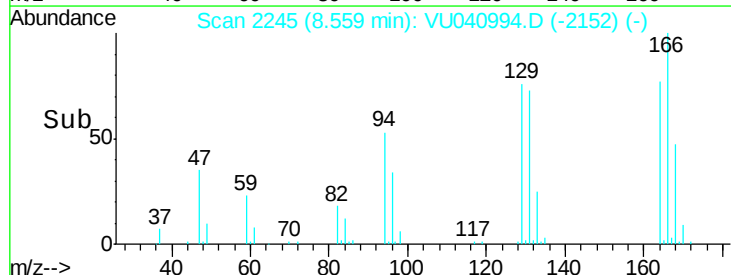
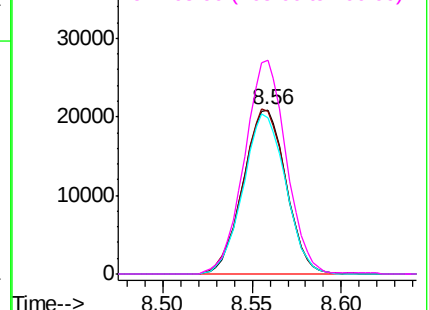


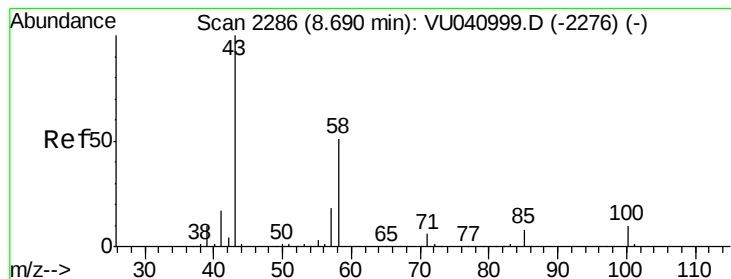
Abundance Ion 163.90 (163.60 to 164.60): VU040999.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU040999.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU040999.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU040999.D (-2232) (-)





#48

2-Hexanone

Concen: 97.034 ug/L

RT: 8.69 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleID :

VSTD01005

Tot Ion: 43 Resp: 319003

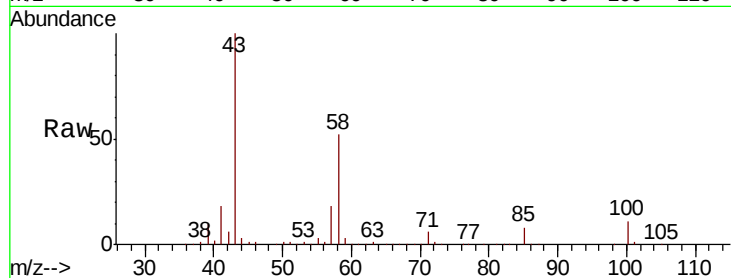
Ion Ratio Lower Upper

43 100

58 52.4 39.9 59.9

57 18.4 14.1 21.1

100 10.8 7.5 11.3

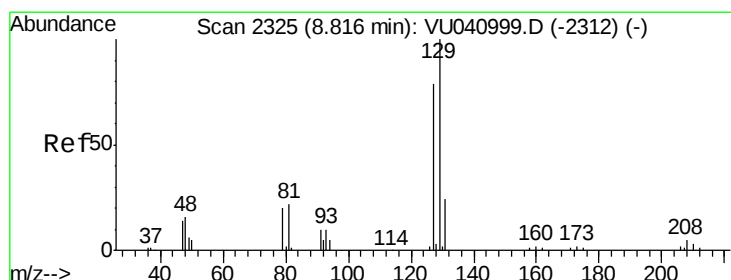
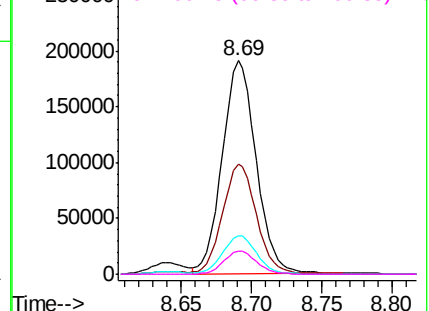
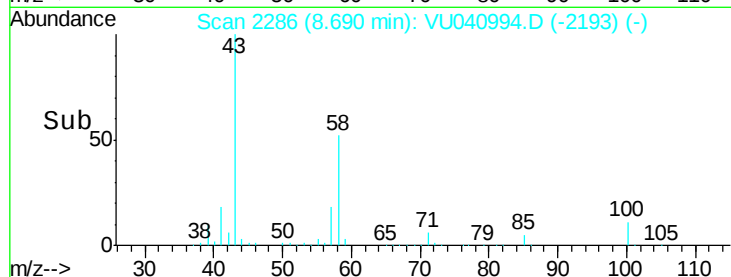


Abundance Ion 43.05 (42.75 to 43.75): VU040999.D (-2276) (-)

Ion 58.05 (57.75 to 58.75): VU040999.D (-2276) (-)

Ion 57.20 (56.90 to 57.90): VU040999.D (-2276) (-)

Ion 100.15 (99.85 to 100.85): VU040999.D (-2276) (-)



#49

Dibromochloromethane

Concen: 9.496 ug/L

RT: 8.82 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU040994.D

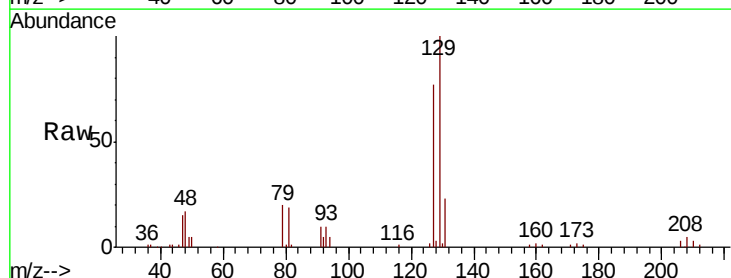
Acq: 28 Oct 2020 12:09

Tgt Ion: 129 Resp: 44357

Ion Ratio Lower Upper

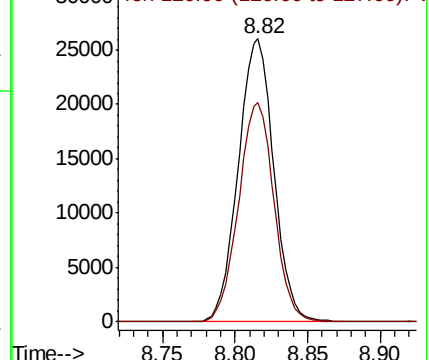
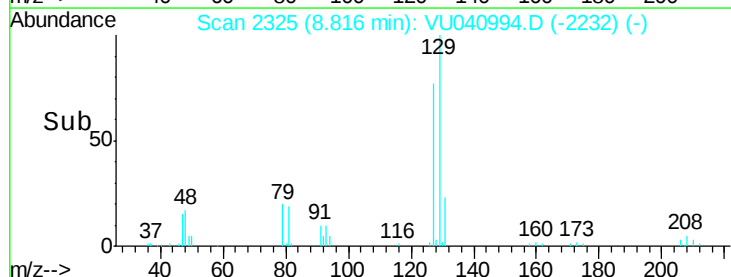
129 100

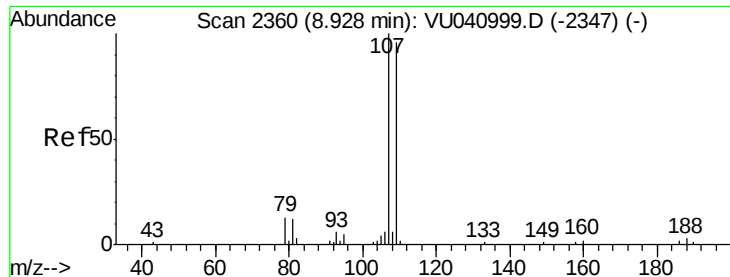
127 77.3 55.3 102.7



Abundance Ion 128.95 (128.65 to 129.65): VU040999.D (-2312) (-)

Ion 126.90 (126.60 to 127.60): VU040999.D (-2312) (-)

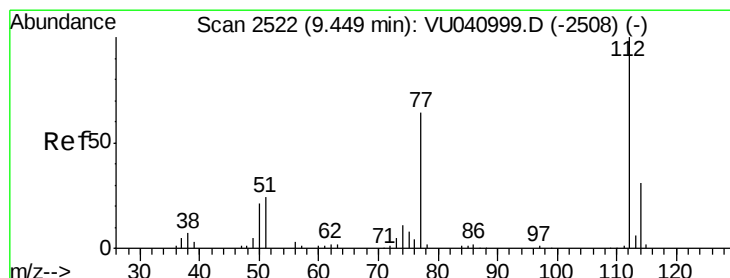
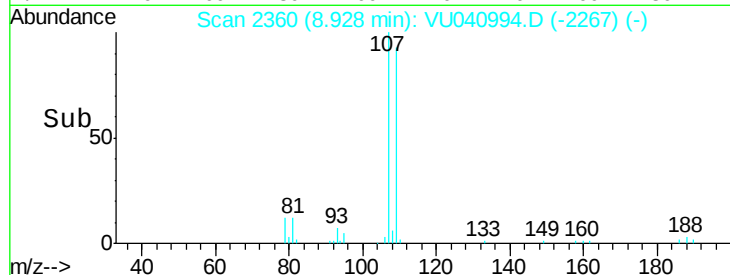
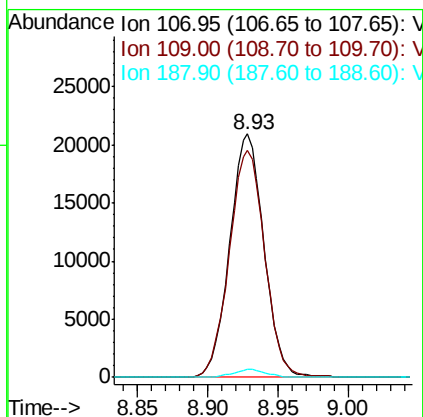
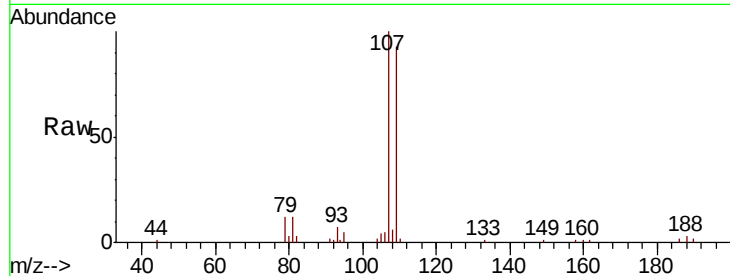




#50
1,2-Dibromoethane
Concen: 9.055 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

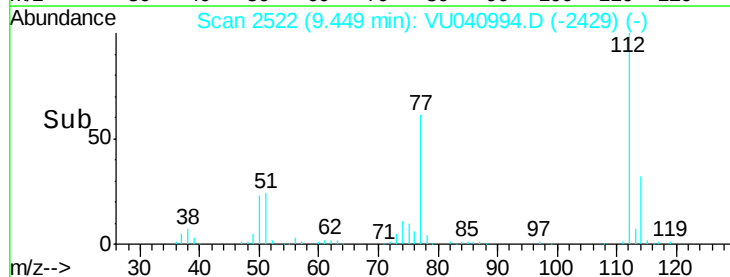
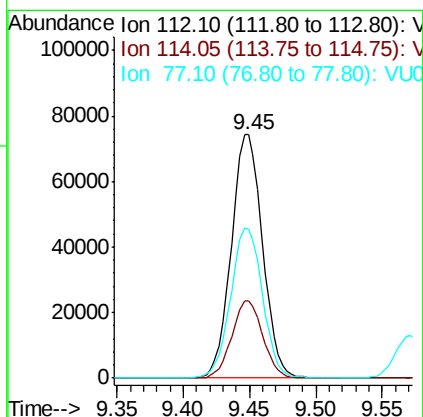
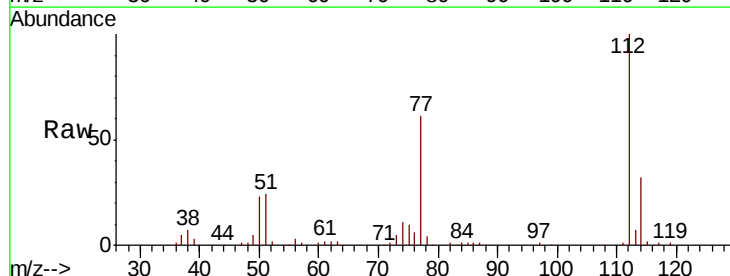
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

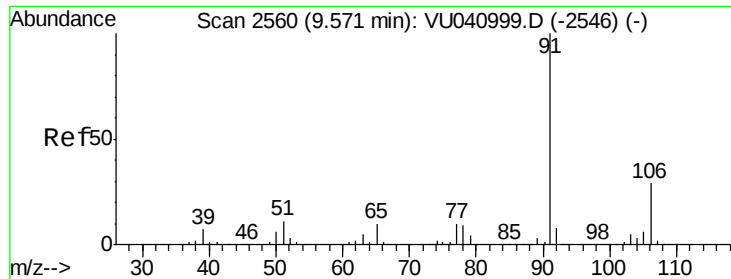
Tot Ion:107 Resp: 35489
Ion Ratio Lower Upper
107 100
109 93.4 67.1 124.5
188 3.4 2.3 3.5



#51
Chlorobenzene
Concen: 8.768 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion:112 Resp: 121422
Ion Ratio Lower Upper
112 100
114 31.9 21.9 40.7
77 61.4 51.4 77.2





#52

Ethylbenzene

Concen: 9.028 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

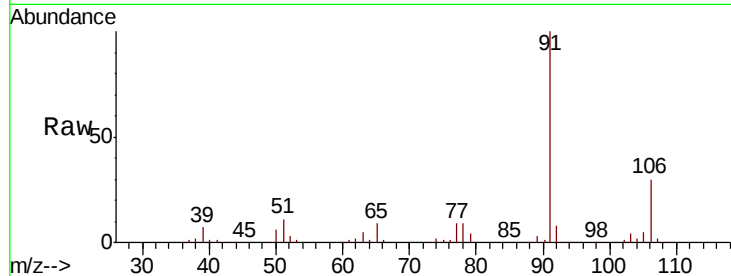
VSTD01005

Tot Ion: 91 Resp: 212263

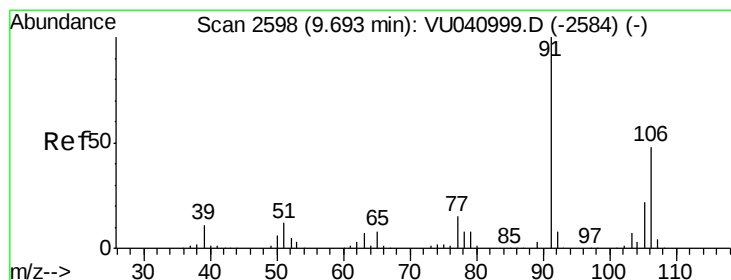
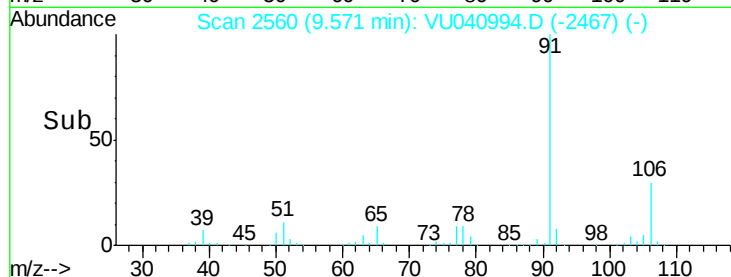
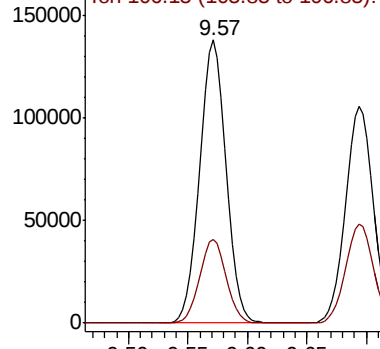
Ion Ratio Lower Upper

91 100

106 29.8 20.6 38.4



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



#53

m,p-Xylene

Concen: 9.279 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040994.D

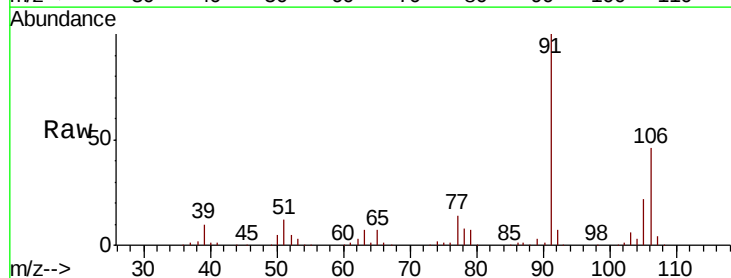
Acq: 28 Oct 2020 12:09

Tgt Ion: 106 Resp: 78608

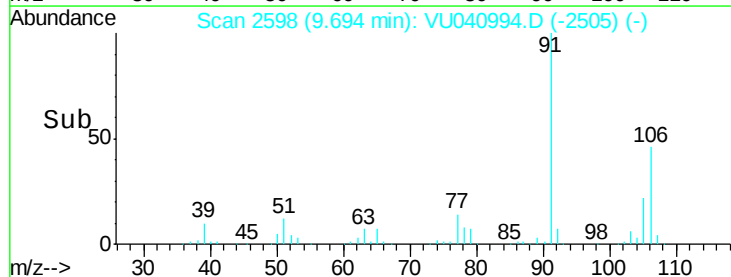
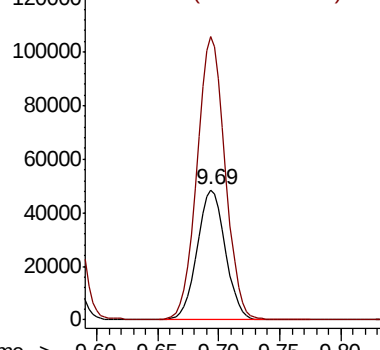
Ion Ratio Lower Upper

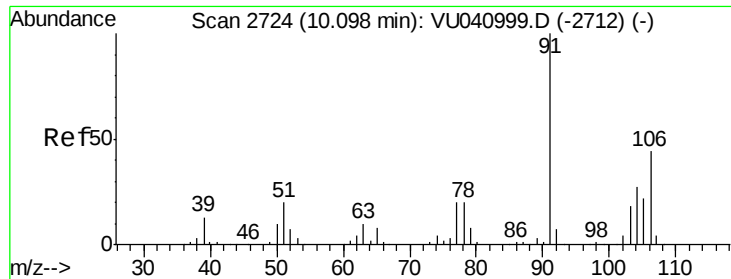
106 100

91 218.0 147.6 274.0



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

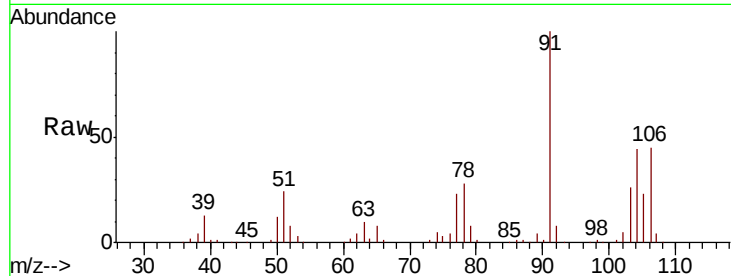




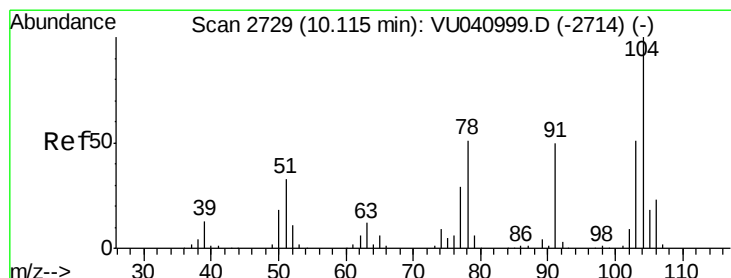
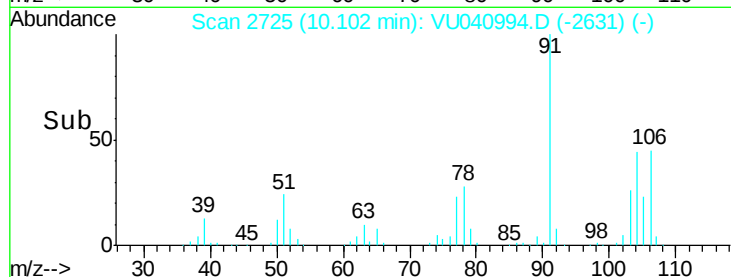
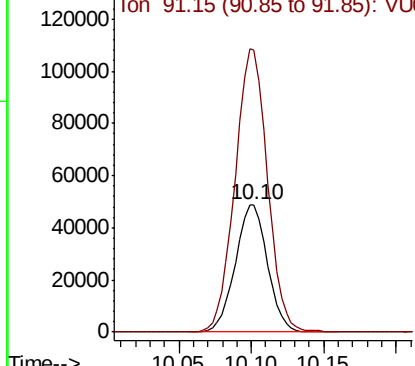
#54
o-Xylene
Concen: 9.220 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:106 Resp: 75187
Ion Ratio Lower Upper
106 100
91 220.6 158.3 294.1

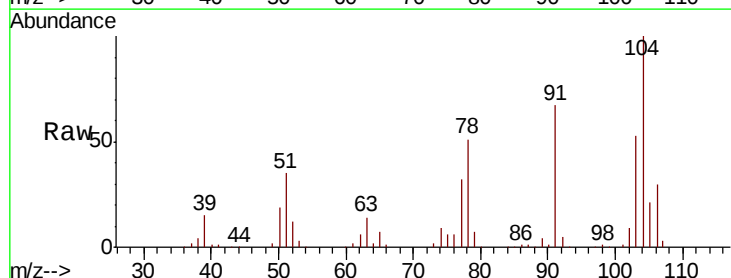


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

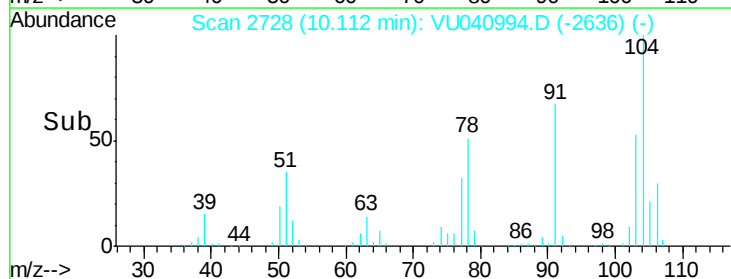
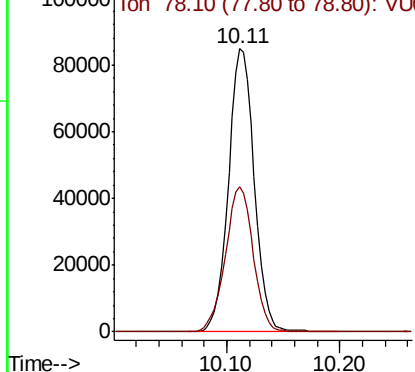


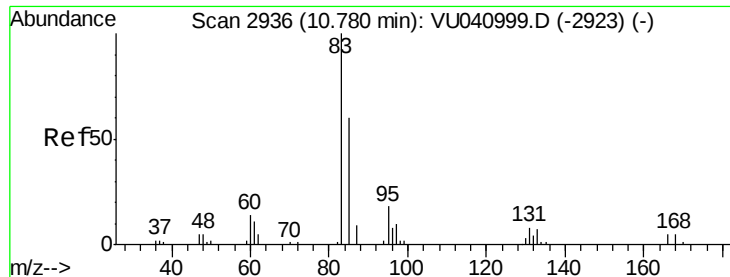
#55
Styrene
Concen: 9.569 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion:104 Resp: 134773
Ion Ratio Lower Upper
104 100
78 51.4 35.6 66.2



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

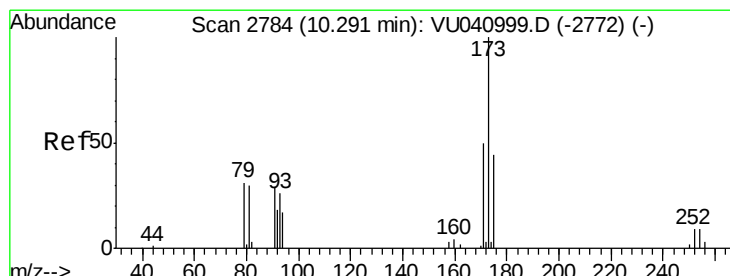
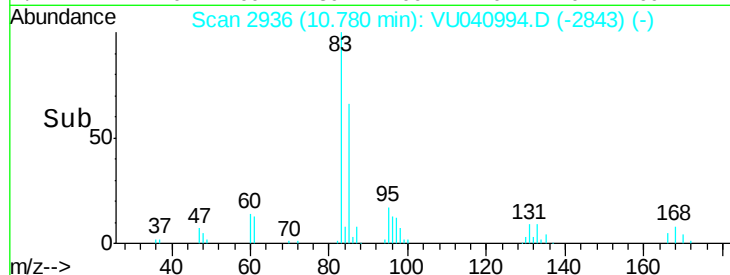
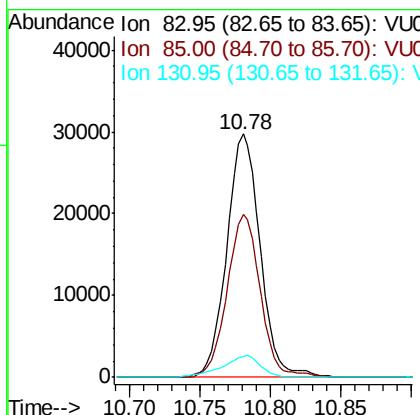
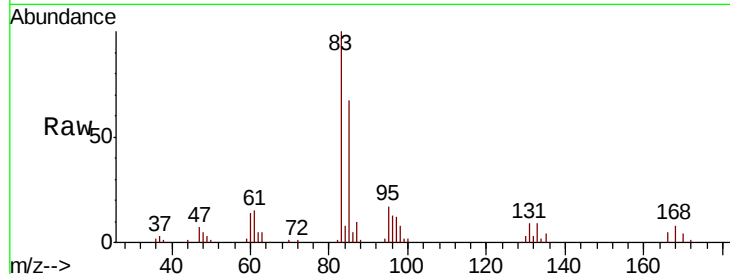




#57
 1,1,2,2-Tetrachloroethane
 Concen: 9.185 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

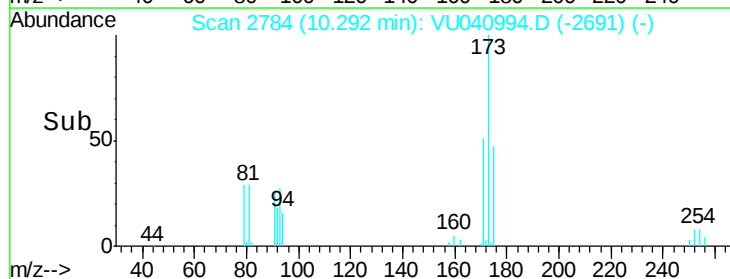
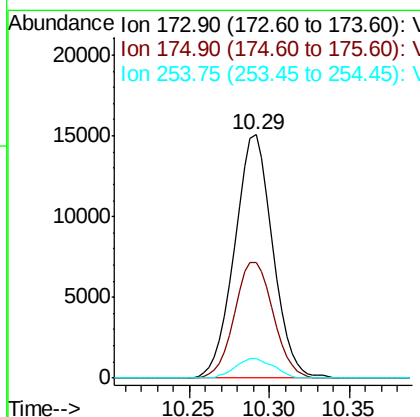
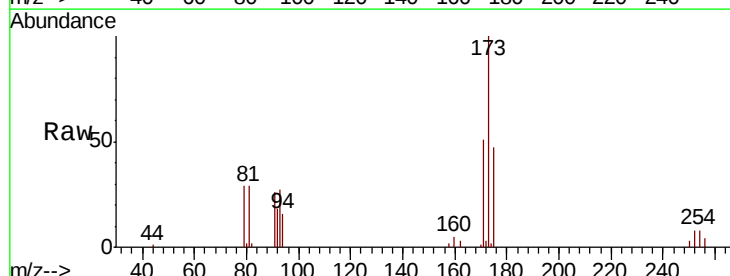
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

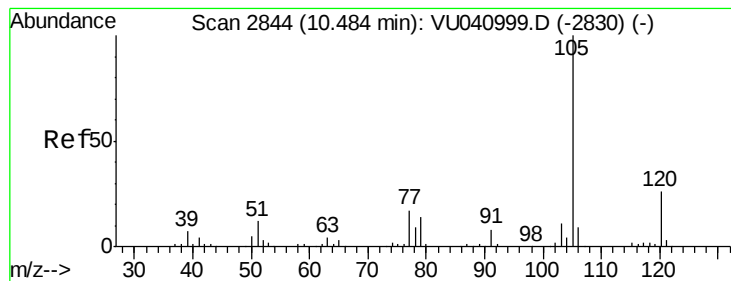
Tot Ion	83	Resp	49185
Ion Ratio	Lower	Upper	
83	100		
85	66.9	42.1	78.3
131	8.8	6.7	10.1



#59
 Bromoform
 Concen: 9.158 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion	173	Resp	24368
Ion Ratio	Lower	Upper	
173	100		
175	48.4	36.7	55.1
254	8.0	6.5	9.7





#60

Isopropylbenzene

Concen: 8.972 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

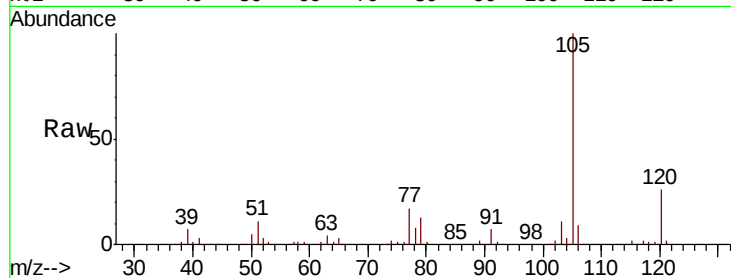
Tot Ion:105 Resp: 201392

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

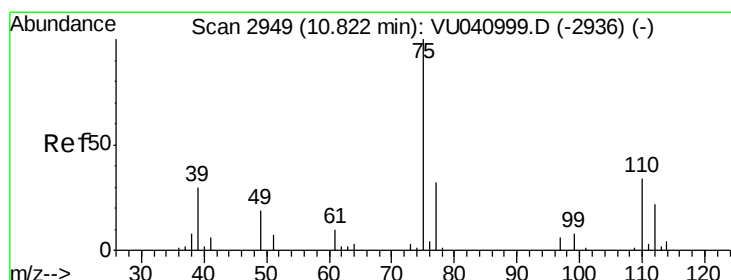
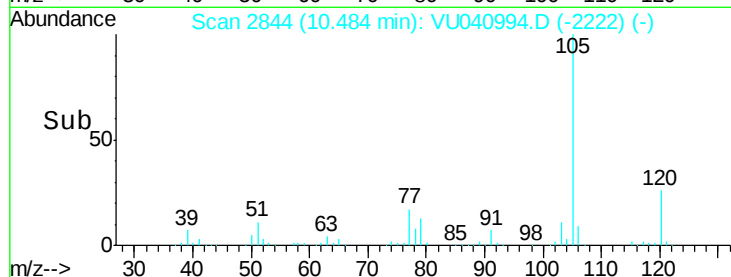
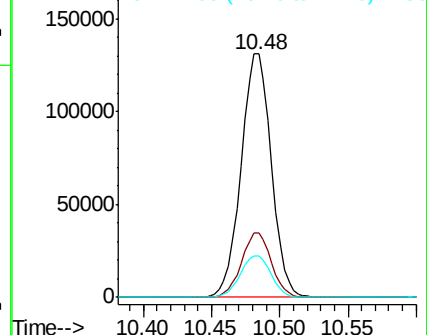
77 17.5 14.4 21.6



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: 8.840 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

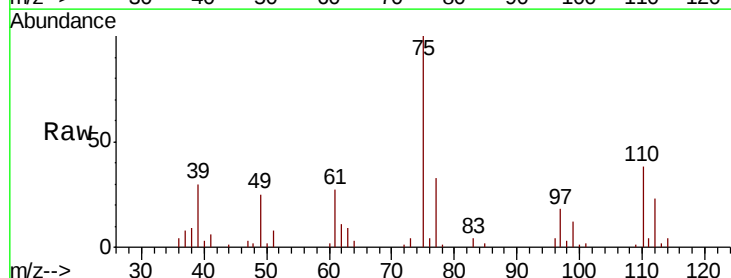
Tgt Ion: 75 Resp: 37545

Ion Ratio Lower Upper

75 100

110 37.5 27.5 41.3

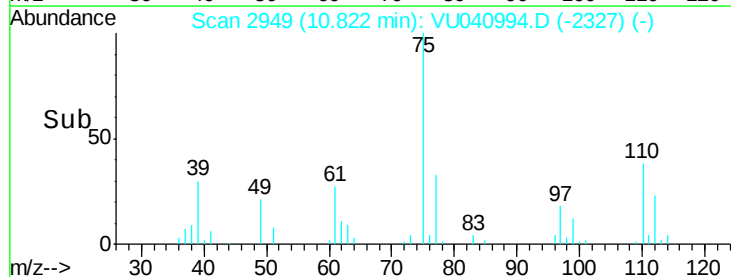
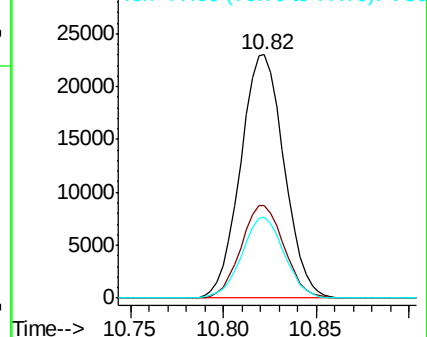
77 32.2 24.9 37.3

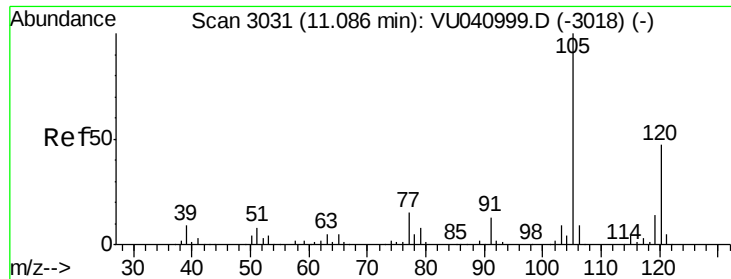


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): V

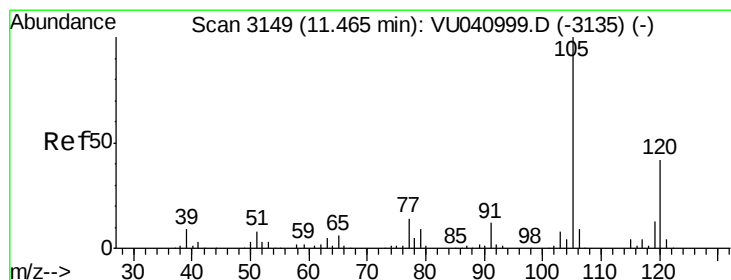
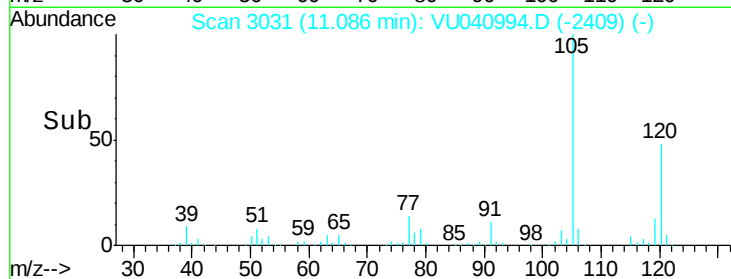
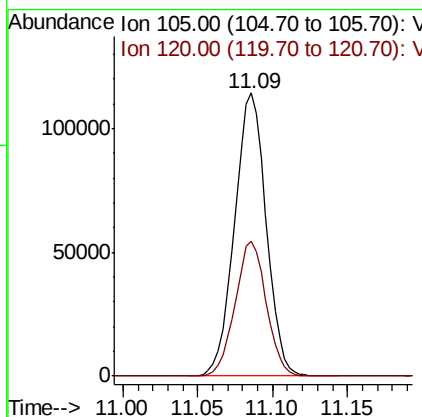
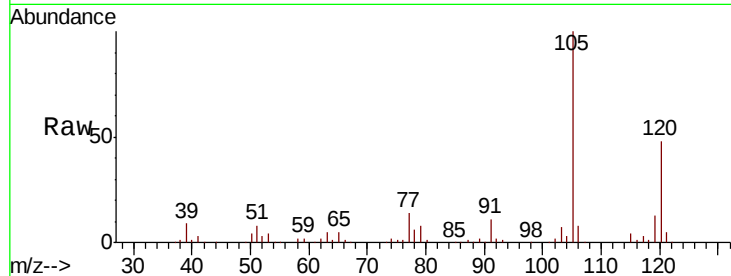




#62
 1,3,5-Trimethylbenzene
 Concen: 9.333 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

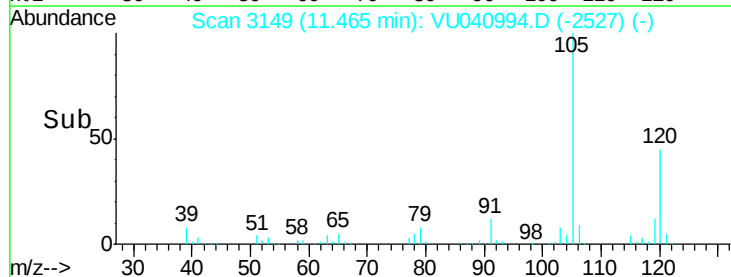
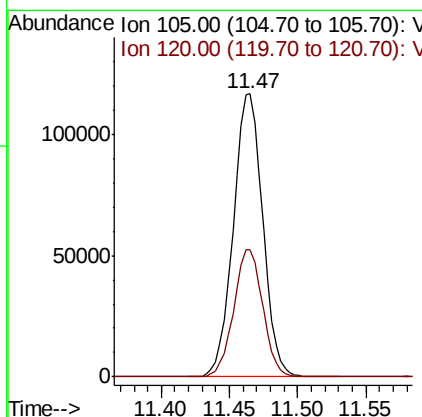
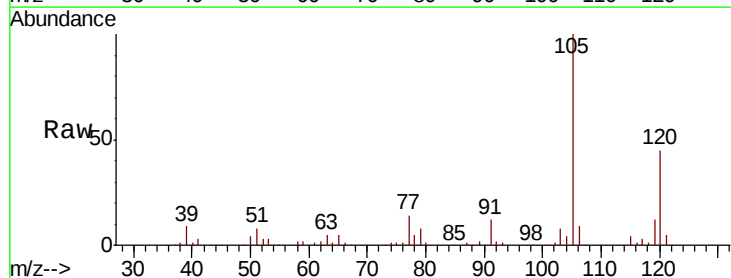
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

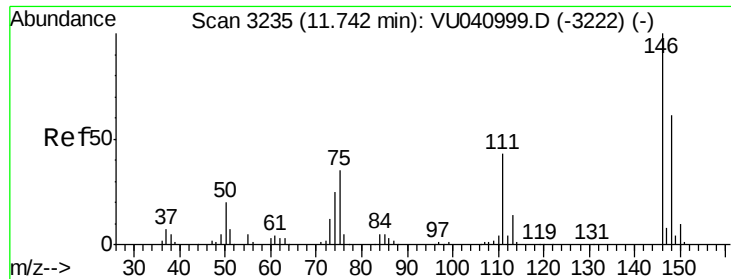
Tot Ion:105 Resp: 167911
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.0 57.0



#63
 1,2,4-Trimethylbenzene
 Concen: 9.530 ug/L
 RT: 11.47 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion:105 Resp: 174217
 Ion Ratio Lower Upper
 105 100
 120 44.4 34.6 52.0





#64

1,3-Dichlorobenzene

Concen: 8.528 ug/L

RT: 11.74 min Scan# 3234

Delta R.T. -0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

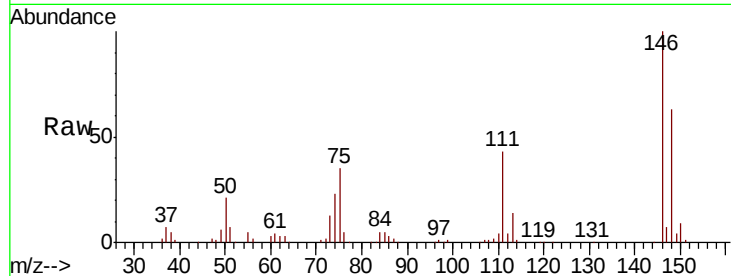
Tot Ion:146 Resp: 95330

Ion Ratio Lower Upper

146 100

111 42.8 30.2 56.0

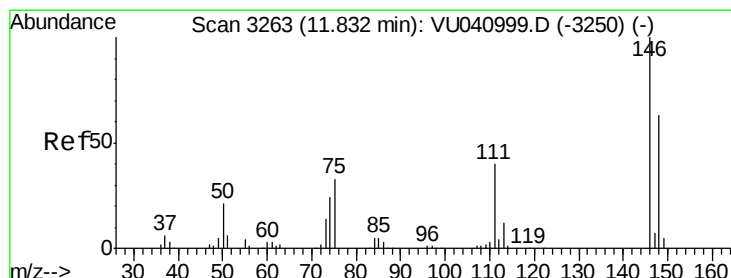
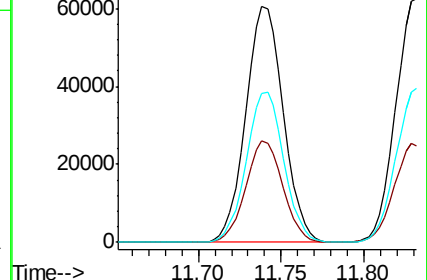
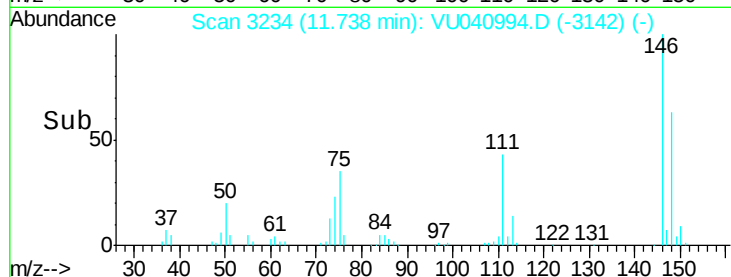
148 62.9 42.9 79.7



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: 8.417 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

Lab File: VU040994.D

Acq: 28 Oct 2020 12:09

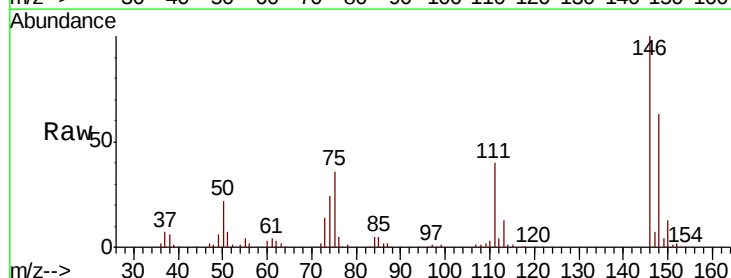
Tgt Ion:146 Resp: 97145

Ion Ratio Lower Upper

146 100

111 39.9 28.3 52.7

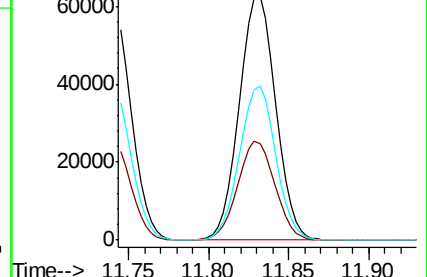
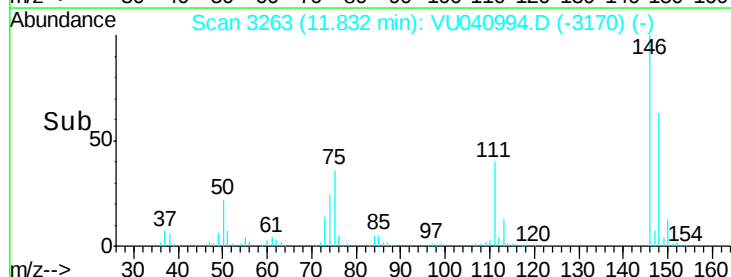
148 63.1 44.1 81.9

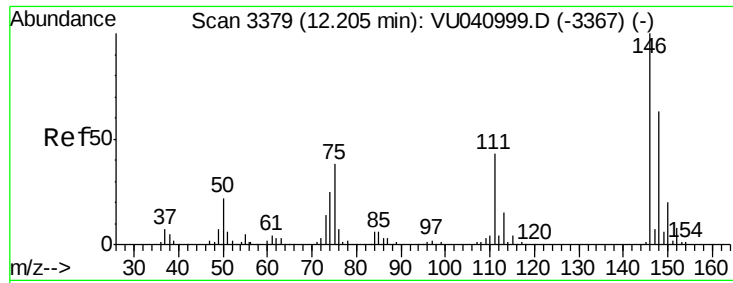


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

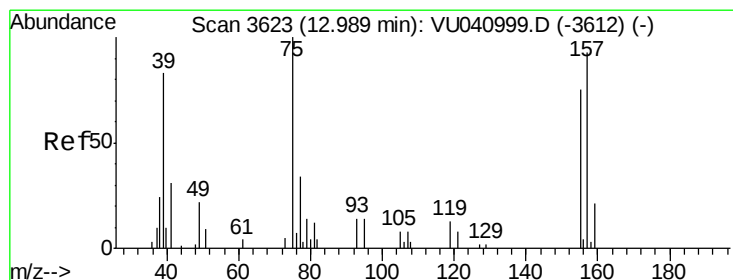
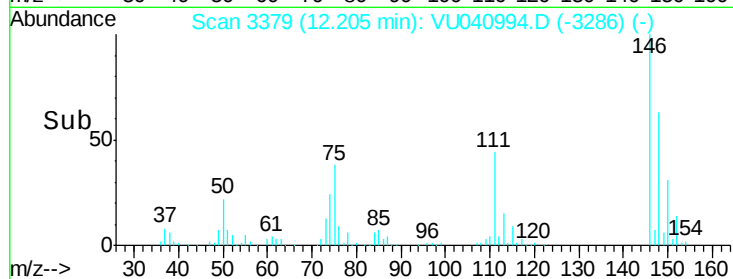
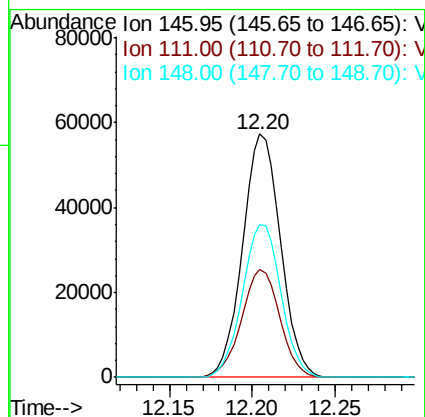
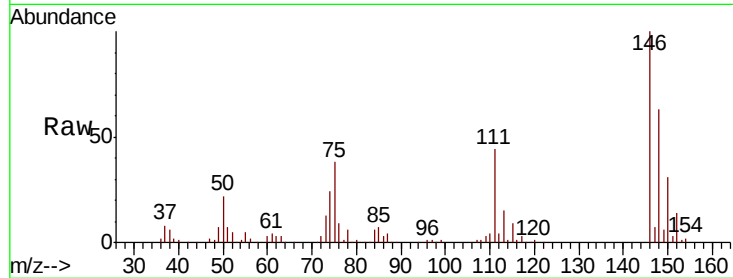




#67
 1,2-Dichlorobenzene
 Concen: 8.671 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

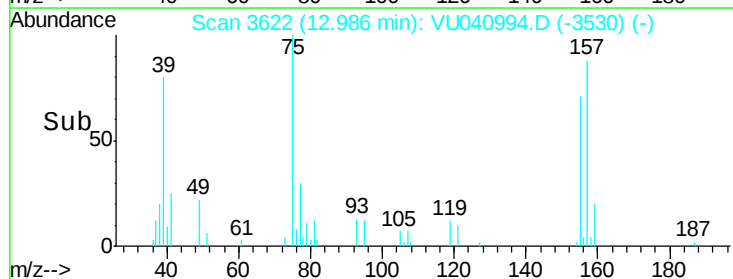
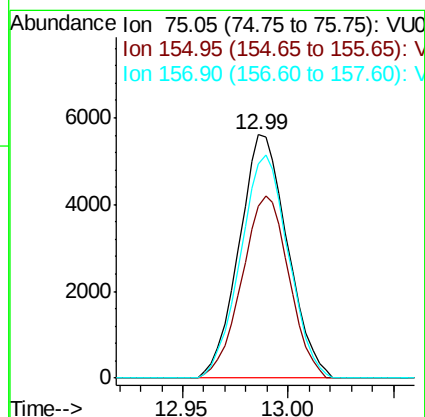
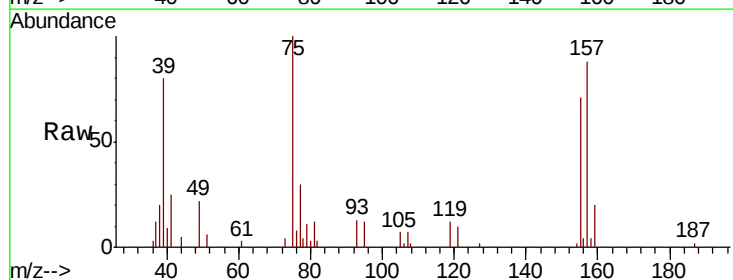
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

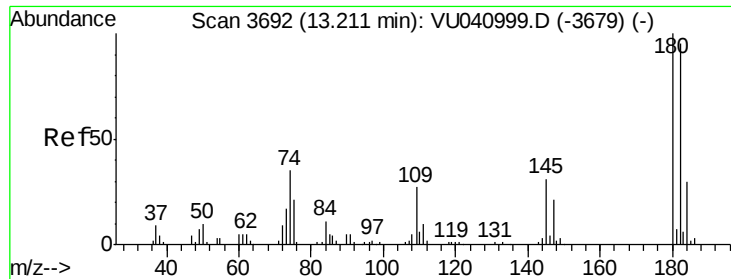
Tot Ion:146 Resp: 91227
 Ion Ratio Lower Upper
 146 100
 111 44.2 34.7 52.1
 148 62.8 50.7 76.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 8.965 ug/L
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion: 75 Resp: 8964
 Ion Ratio Lower Upper
 75 100
 155 70.7 60.2 90.2
 157 88.2 74.4 111.6

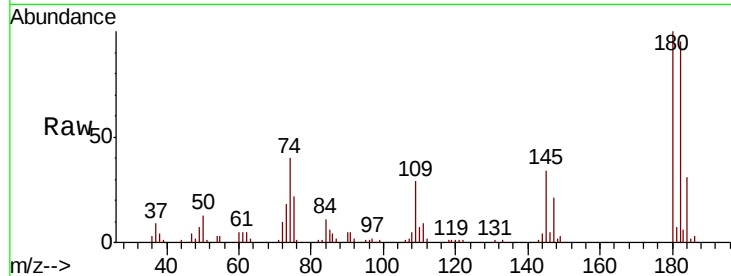




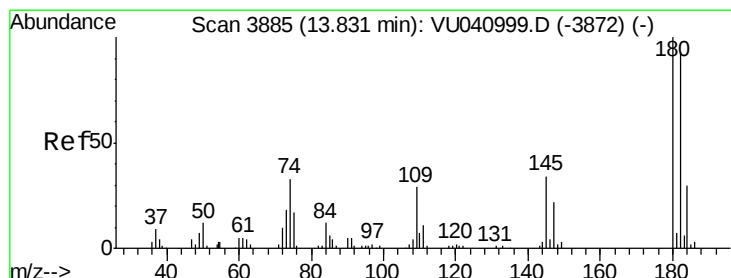
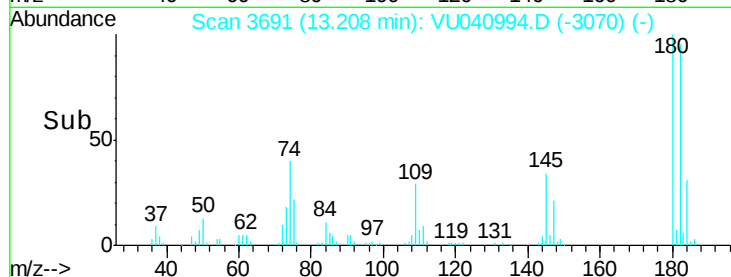
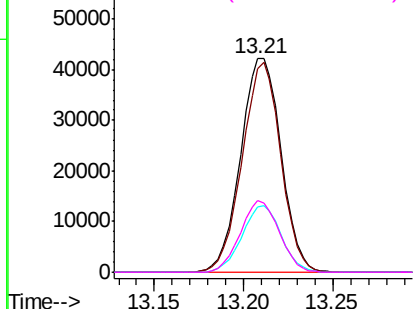
#69
 1,3,5-Trichlorobenzene
 Concen: 8.506 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion:180 Resp: 66604
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.9 115.3
 184 30.3 23.8 35.8
 145 32.4 25.2 37.8

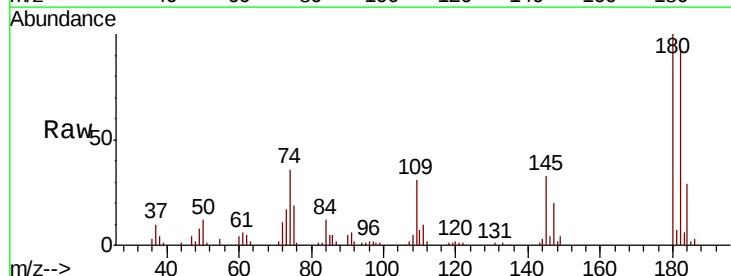


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

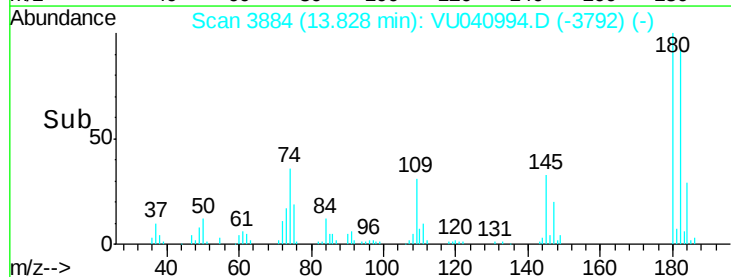
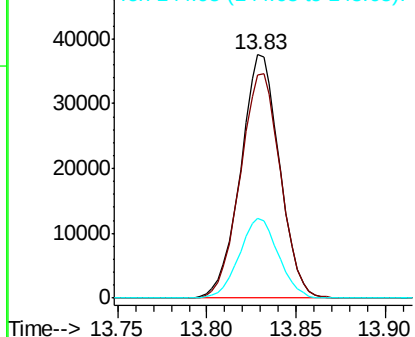


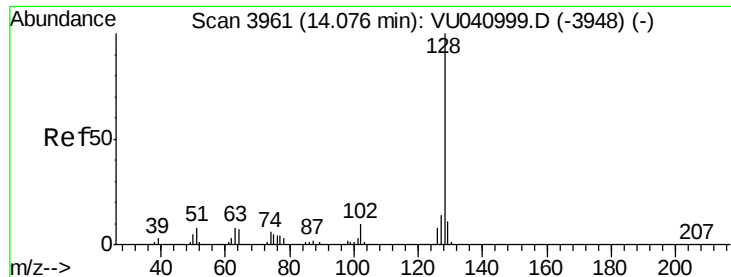
#70
 1,2,4-trichlorobenzene
 Concen: 9.074 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040994.D
 Acq: 28 Oct 2020 12:09

Tgt Ion:180 Resp: 57377
 Ion Ratio Lower Upper
 180 100
 182 95.0 74.5 111.7
 145 32.7 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

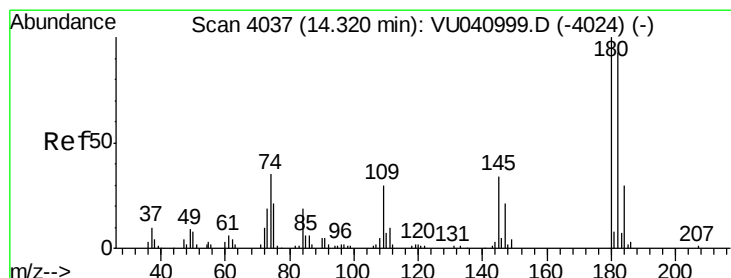
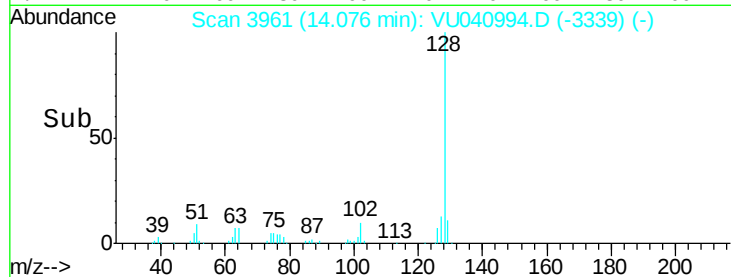
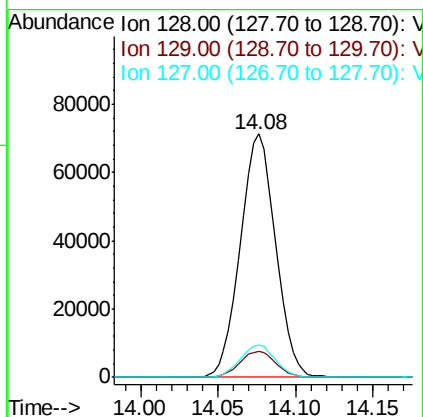
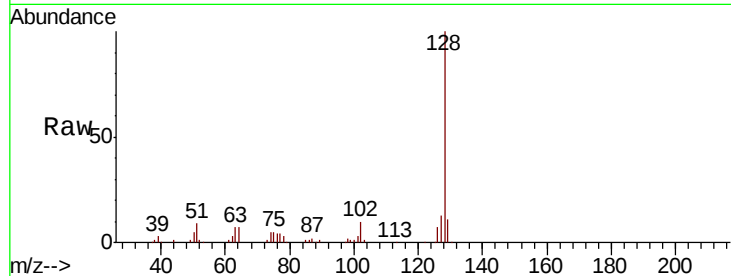




#71
Naphthalene
Concen: 10.429 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. 0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:128 Resp: 113472
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 11.2 16.8



#72
1,2,3-Trichlorobenzene
Concen: 9.720 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040994.D
Acq: 28 Oct 2020 12:09

Tgt Ion:180 Resp: 55460
Ion Ratio Lower Upper
180 100
182 95.8 76.7 115.1
145 35.3 27.4 41.0

