

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
 Data File : VU040501.D
 Acq On : 05 Oct 2020 11:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Quant Time: Oct 06 07:49:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 06 01:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	126645	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125472	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	64851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30840	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.92	69	25920	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.58	63	77447	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	4.66	46	131178	42.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.24%
24) Chloroform-d	5.08	84	69117	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	42651	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.74	84	126541	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	43383	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.90	98	118019	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	8.18	79	19268	5.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.40%
46) 2-Hexanone-d5	8.64	63	93441	42.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.38%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	39689	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	45429	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	59696	4.700	ug/L	98
3) Chloromethane	1.53	50	53496	4.295	ug/L	100
5) Vinyl chloride	1.61	62	56166	4.588	ug/L	99
6) Bromomethane	1.87	94	27654	4.645	ug/L	98
8) Chloroethane	1.94	64	35951	4.955	ug/L	97
9) Trichlorofluoromethane	2.15	101	80547	4.770	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	52842	4.901	ug/L	99
12) 1,1-Dichloroethene	2.59	96	46211	4.791	ug/L	98
13) Acetone	2.67	43	124698	48.049	ug/L	96
14) Carbon disulfide	2.81	76	130180	4.270	ug/L	99
15) Methyl Acetate	2.97	43	28356	4.537	ug/L	99
16) Methylene chloride	3.06	84	55937	4.617	ug/L	96
17) Methyl tert-butyl Ether	3.38	73	126642	4.766	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	48273	4.840	ug/L	96
19) 1,1-Dichloroethane	3.89	63	100932	4.931	ug/L	97
21) 2-Butanone	4.74	43	204467	49.084	ug/L	99
22) cis-1,2-Dichloroethene	4.68	96	51049	4.627	ug/L	99

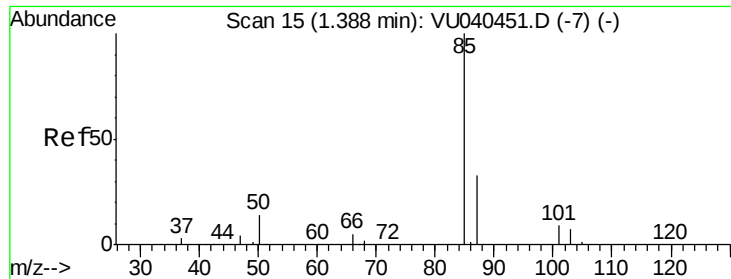
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100520\
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 QLast Update : Tue Oct 06 01:36:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	25527	5.054	ug/L	91
25) Chloroform	5.11	83	104420	5.001	ug/L	99
27) 1,2-Dichloroethane	5.81	62	71145	4.921	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	85450	4.985	ug/L	99
30) Cyclohexane	5.40	56	80017	4.513	ug/L	100
31) Carbon tetrachloride	5.54	117	73448	4.998	ug/L	100
33) Benzene	5.79	78	207685	4.937	ug/L	100
34) Trichloroethene	6.56	95	53601	4.800	ug/L	96
35) Methylcyclohexane	6.77	83	76689	4.682	ug/L	98
37) 1,2-Dichloropropane	6.80	63	57497	4.908	ug/L	100
38) Bromodichloromethane	7.11	83	73939	5.111	ug/L	97
39) cis-1,3-Dichloropropene	7.61	75	77412	4.927	ug/L	93
40) 4-Methyl-2-pentanone	7.80	43	461217	50.273	ug/L	99
42) Toluene	7.98	91	216553	5.020	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	72493	5.004	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	40722	4.959	ug/L	97
47) Tetrachloroethene	8.56	164	40155	5.064	ug/L	96
48) 2-Hexanone	8.69	43	350873	51.902	ug/L	99
49) Dibromochloromethane	8.82	129	49119	5.142	ug/L	99
50) 1,2-Dibromoethane	8.93	107	38734	4.917	ug/L #	95
51) Chlorobenzene	9.45	112	135628	4.863	ug/L	99
52) Ethylbenzene	9.57	91	228799	4.888	ug/L	99
53) m,p-Xylene	9.70	106	86416	4.956	ug/L	99
54) o-Xylene	10.10	106	82962	5.057	ug/L	98
55) Styrene	10.11	104	146783	5.130	ug/L	98
56) Isopropylbenzene	10.48	105	218960	4.946	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	53140	4.774	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	40393	4.757	ug/L	99
61) Bromoform	10.29	173	26532	4.950	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	109259	5.089	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	111155	4.977	ug/L	99
65) 1,2-Dichlorobenzene	12.20	146	106109	5.084	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	9200	4.890	ug/L	88
67) 1,3,5-Trichlorobenzene	13.21	180	74880	4.885	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	59759	4.852	ug/L	100
69) Naphthalene	14.08	128	94462	4.488	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	56791	5.039	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.700 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

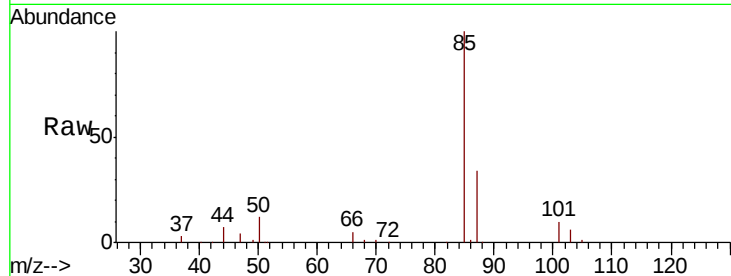
VSTD00512

Tot Ion: 85 Resp: 59696

Ion Ratio Lower Upper

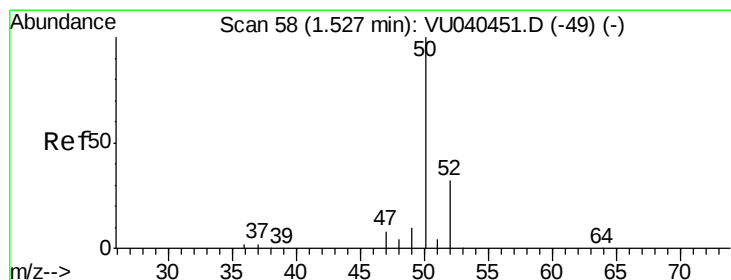
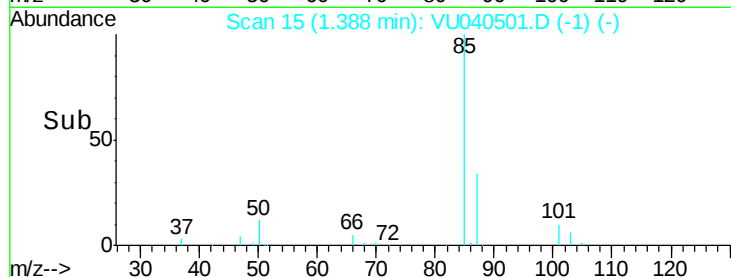
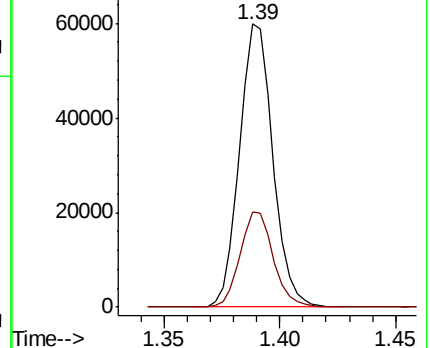
85 100

87 33.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 4.295 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040501.D

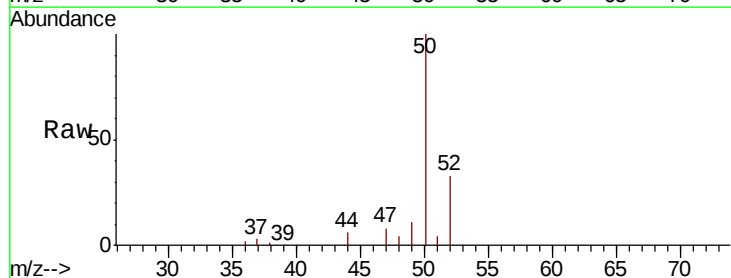
Acq: 05 Oct 2020 11:01

Tgt Ion: 50 Resp: 53496

Ion Ratio Lower Upper

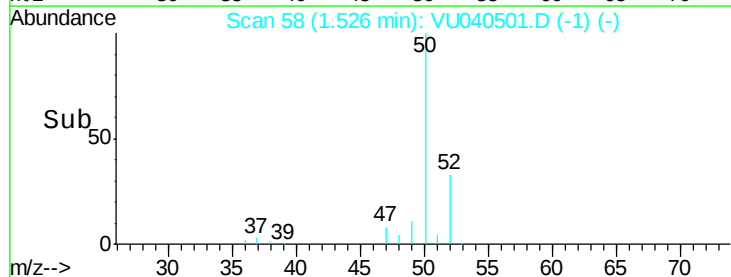
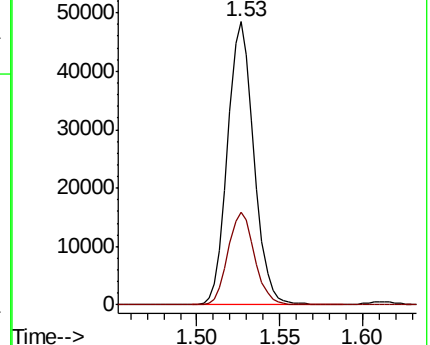
50 100

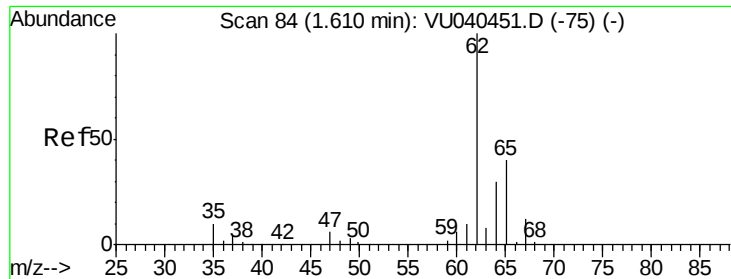
52 32.9 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0





#5

Vinyl chloride

Concen: 4.588 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

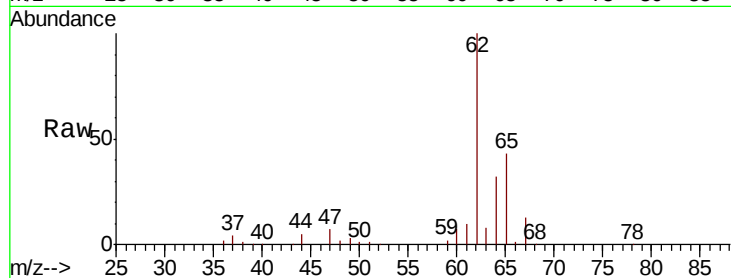
VSTD00512

Tot Ion: 62 Resp: 56166

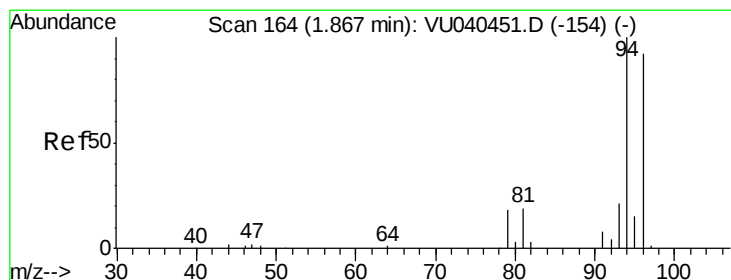
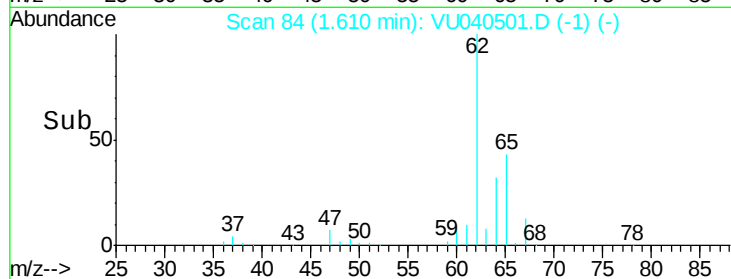
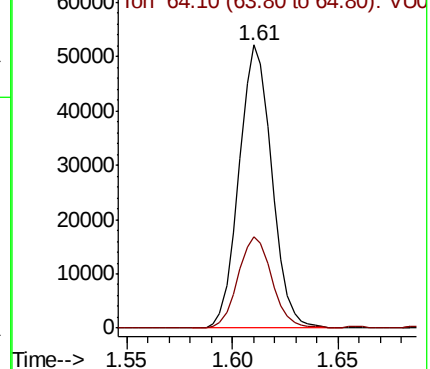
Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU040501.D (-1) (-)



#6

Bromomethane

Concen: 4.645 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040501.D

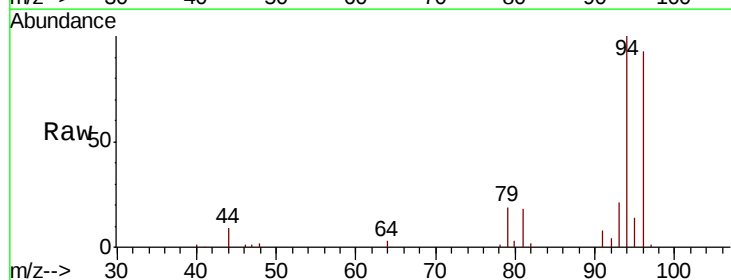
Acq: 05 Oct 2020 11:01

Tgt Ion: 94 Resp: 27654

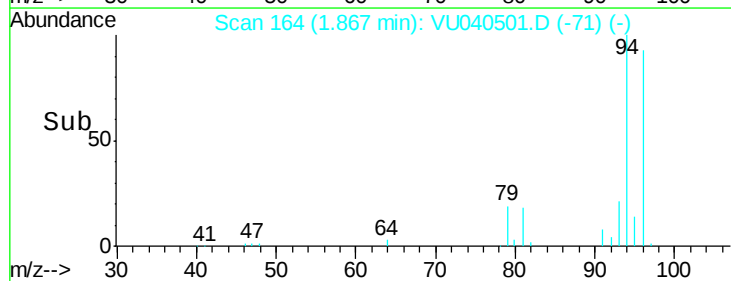
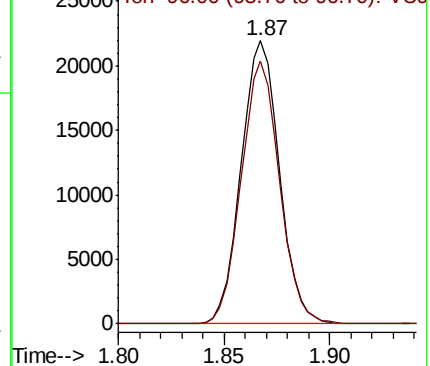
Ion Ratio Lower Upper

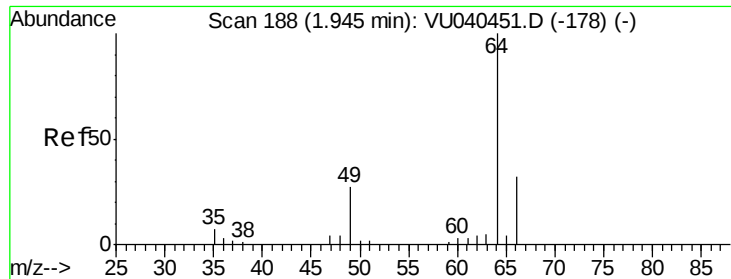
94 100

96 92.8 66.3 123.1



Abundance Ion 94.00 (93.70 to 94.70): VU040501.D (-71) (-)





#8

Chloroethane

Concen: 4.955 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

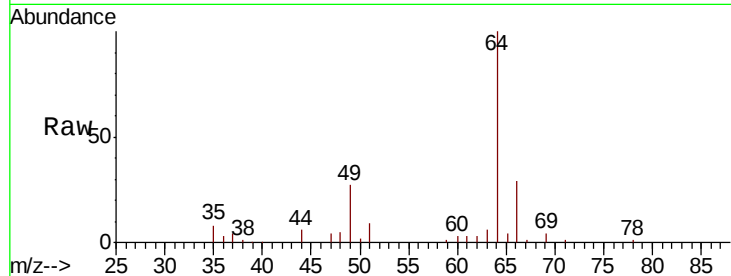
VSTD00512

Tot Ion: 64 Resp: 35951

Ion Ratio Lower Upper

64 100

66 29.1 21.3 39.6



Abundance Ion 64.10 (63.80 to 64.80): VU040501.D (-178) (-)

Ion 66.05 (65.75 to 66.75): VU040501.D (-178) (-)

1.94

30000

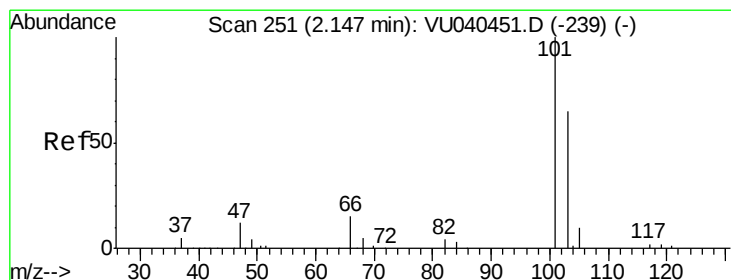
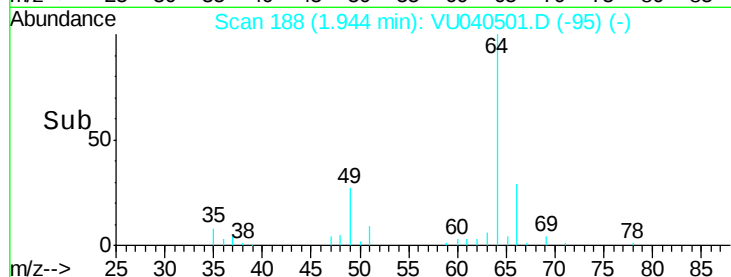
20000

10000

0

Time-->

1.90 1.95 2.00



#9

Trichlorofluoromethane

Concen: 4.770 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU040501.D

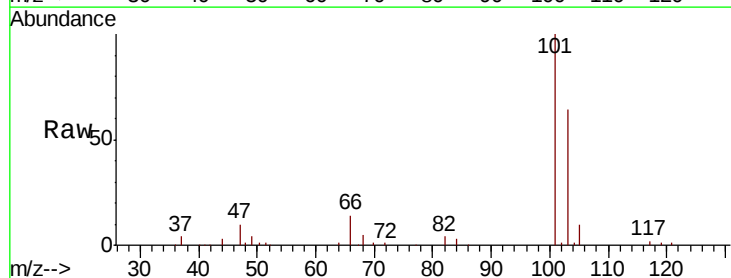
Acq: 05 Oct 2020 11:01

Tgt Ion: 101 Resp: 80547

Ion Ratio Lower Upper

101 100

103 64.9 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): VU040501.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU040501.D (-239) (-)

2.15

60000

50000

40000

30000

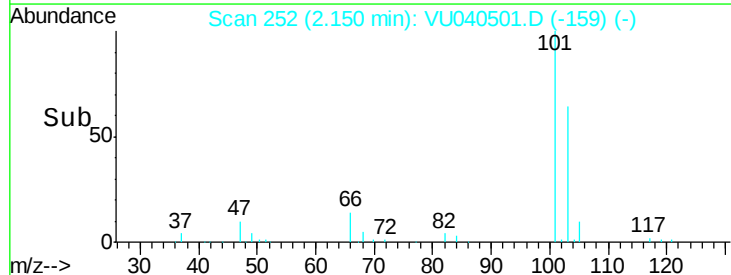
20000

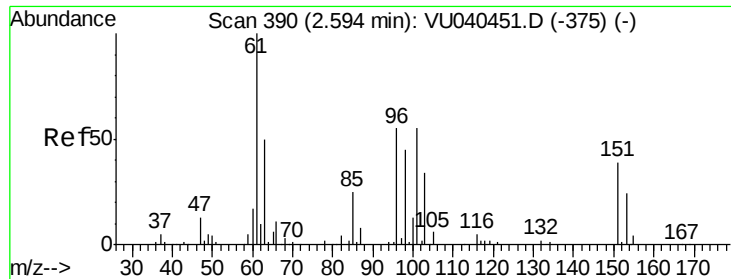
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Time-->

2.10 2.15 2.20





#10

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

Concen: 4.901 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

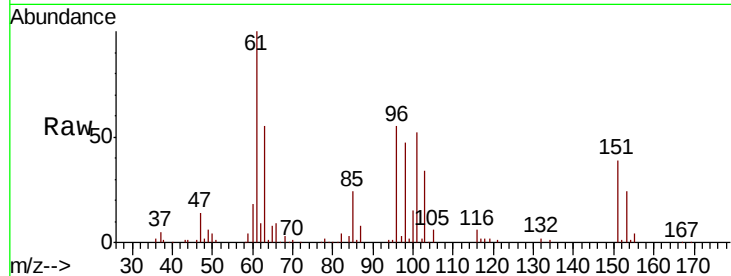
Tot Ion:101 Resp: 52842

Ion Ratio Lower Upper

101 100

85 44.4 35.0 52.6

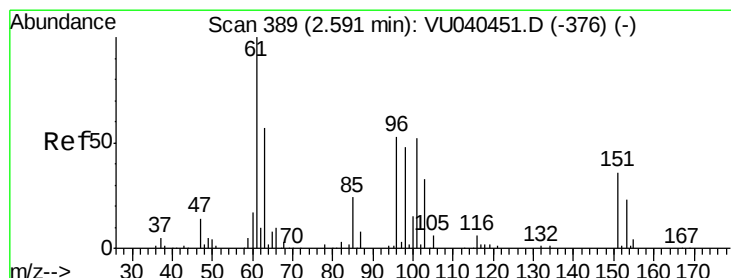
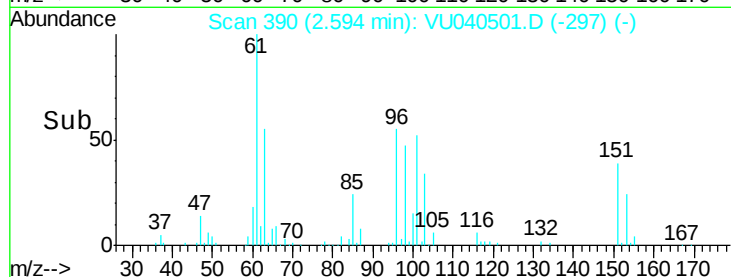
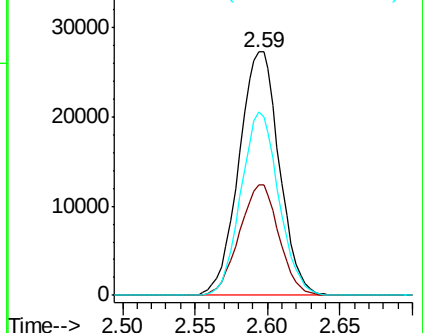
151 70.8 55.4 83.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.791 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

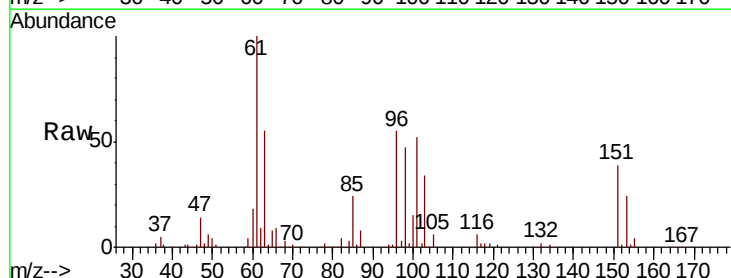
Tgt Ion: 96 Resp: 46211

Ion Ratio Lower Upper

96 100

61 182.1 128.6 238.8

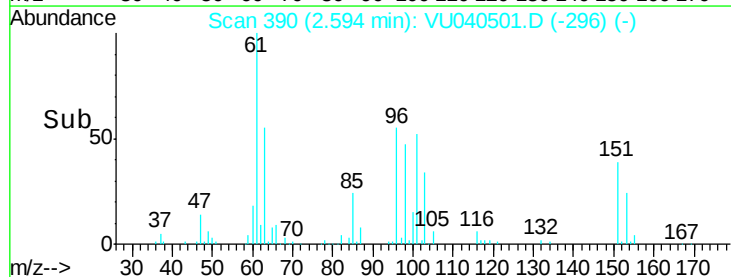
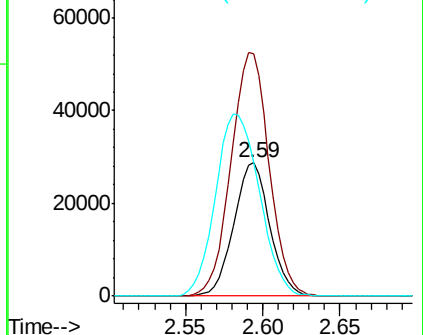
63 100.3 67.8 126.0

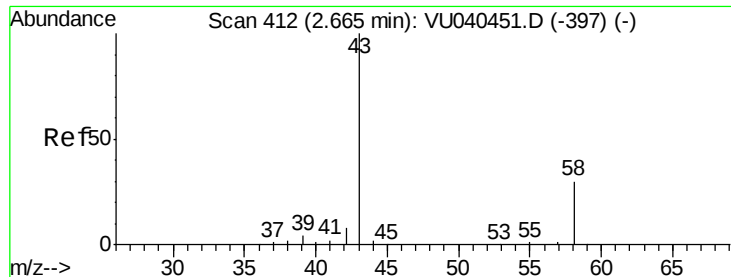


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 48.049 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

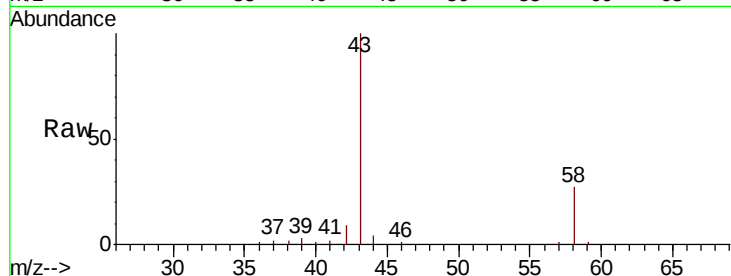
VSTD00512

Tot Ion: 43 Resp: 124698

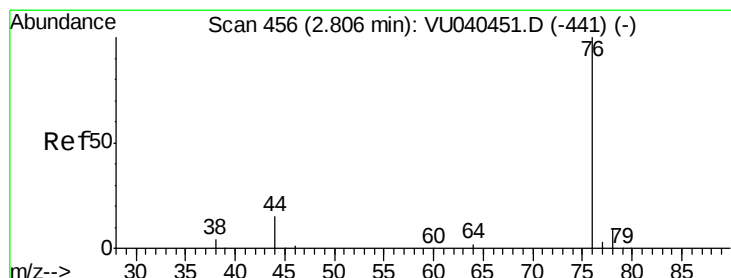
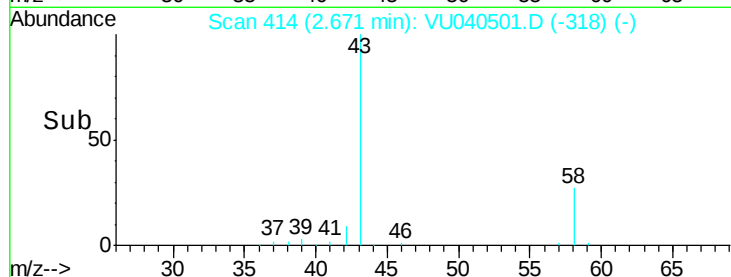
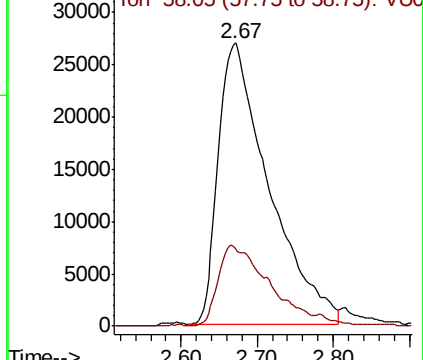
Ion Ratio Lower Upper

43 100

58 28.5 0.0 61.8



Abundance Ion 43.05 (42.75 to 43.75): VU040501.D (-318) (-)



#14

Carbon disulfide

Concen: 4.270 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040501.D

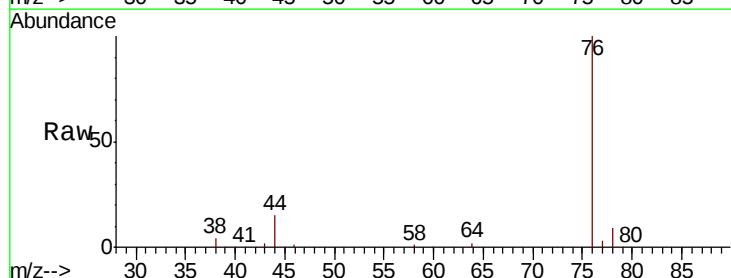
Acq: 05 Oct 2020 11:01

Tgt Ion: 76 Resp: 130180

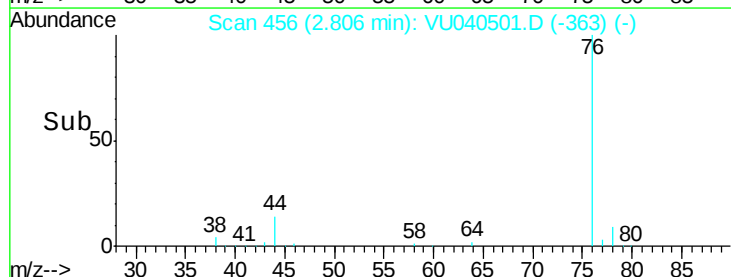
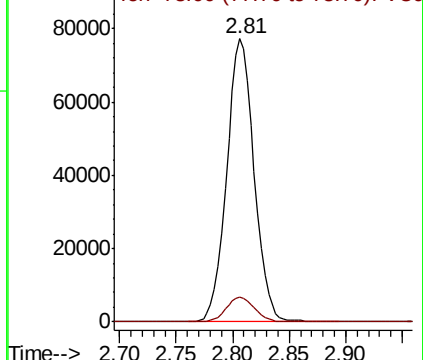
Ion Ratio Lower Upper

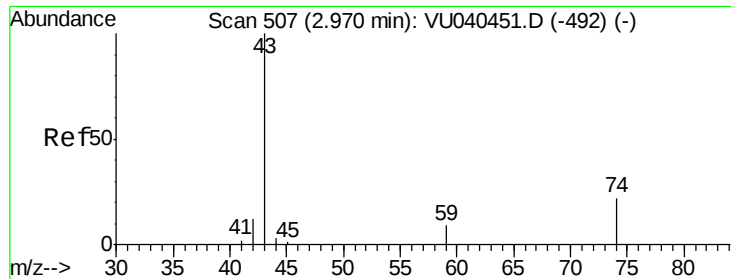
76 100

78 8.7 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU040501.D (-363) (-)

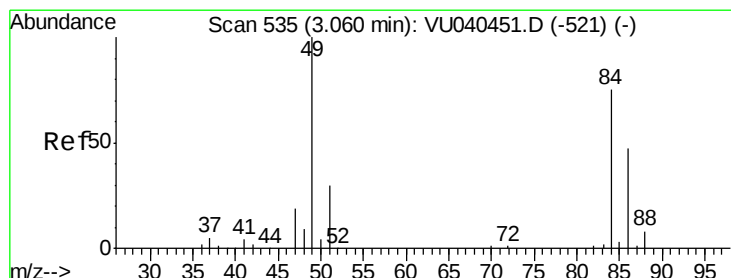
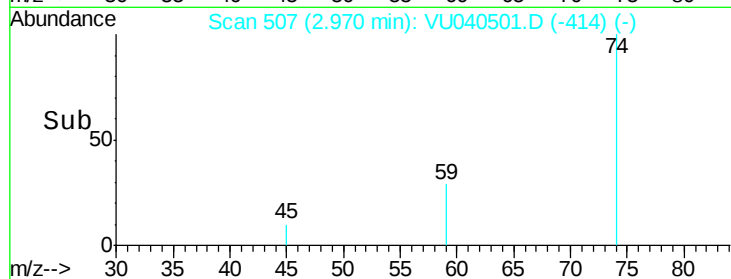
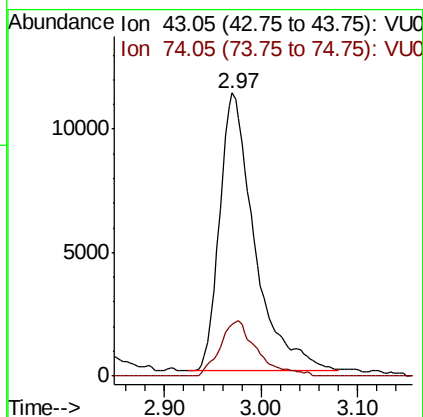
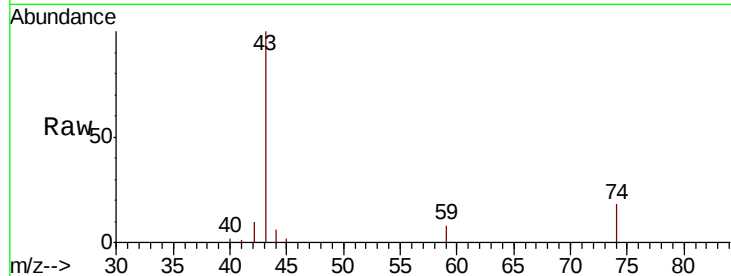




#15
Methvl Acetate
Concen: 4.537 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

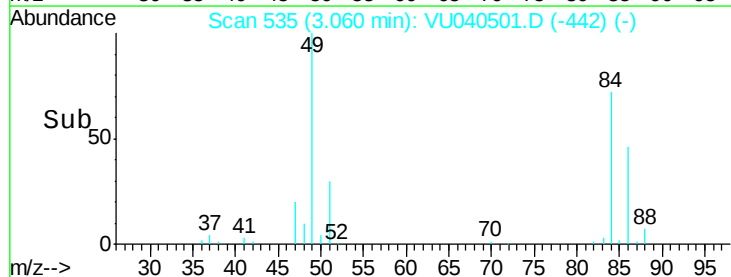
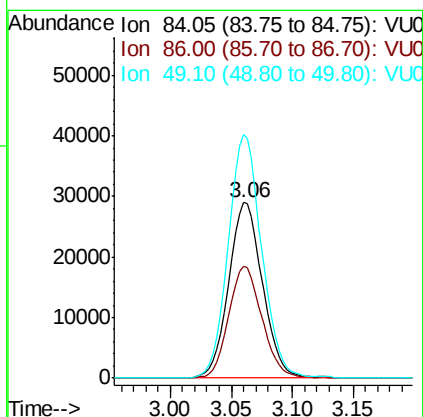
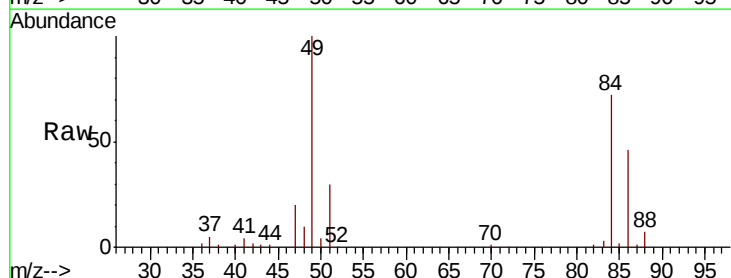
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

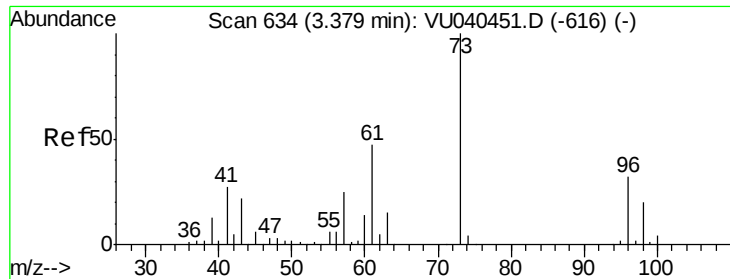
Tot Ion: 43 Resp: 28356
Ion Ratio Lower Upper
43 100
74 21.0 16.3 24.5



#16
Methylene chloride
Concen: 4.617 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion: 84 Resp: 55937
Ion Ratio Lower Upper
84 100
86 64.0 44.4 82.5
49 138.7 92.2 171.2

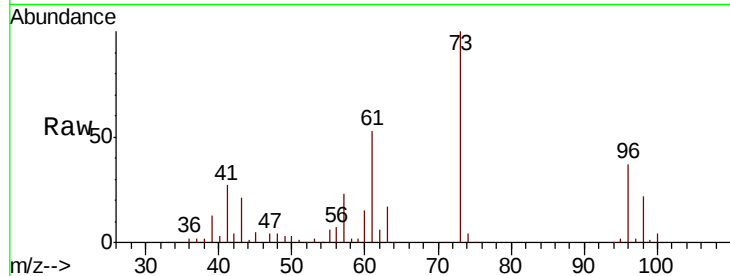




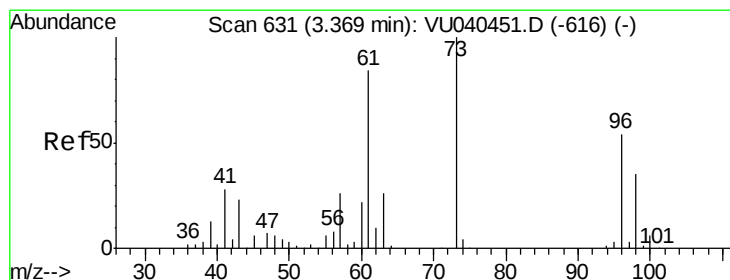
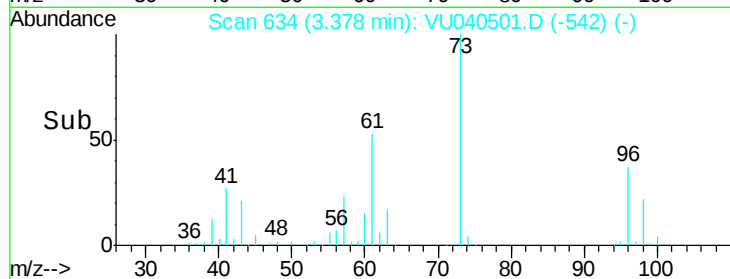
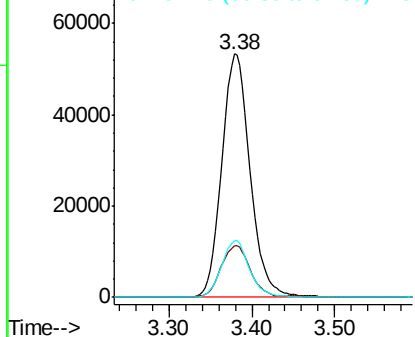
#17
Methvl tert-butvl Ether
Concen: 4.766 ug/L
RT: 3.38 min Scan# 634
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 73 Resp: 126642
Ion Ratio Lower Upper
73 100
43 22.4 19.0 28.4
57 22.8 18.9 28.3

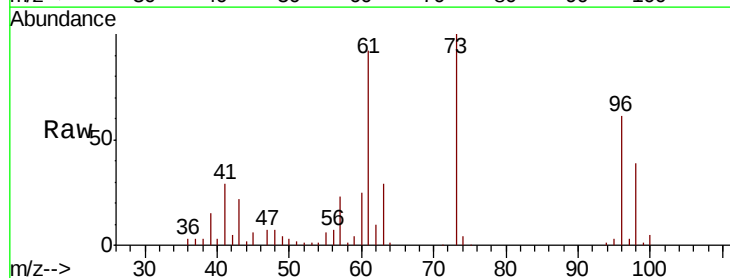


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

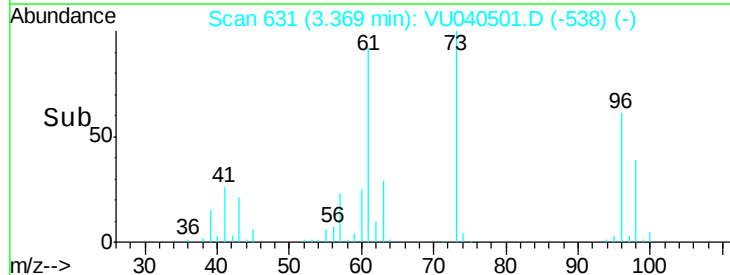
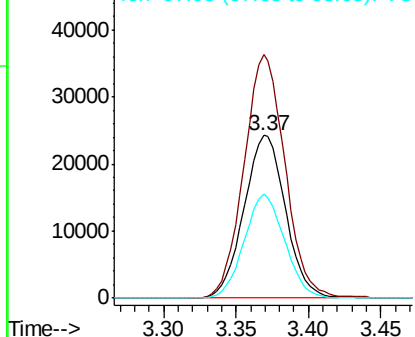


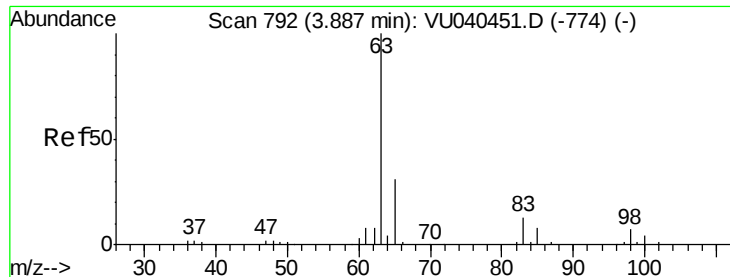
#18
trans-1,2-Dichloroethene
Concen: 4.840 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion: 96 Resp: 48273
Ion Ratio Lower Upper
96 100
61 149.6 109.3 203.1
98 63.6 45.8 85.0



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

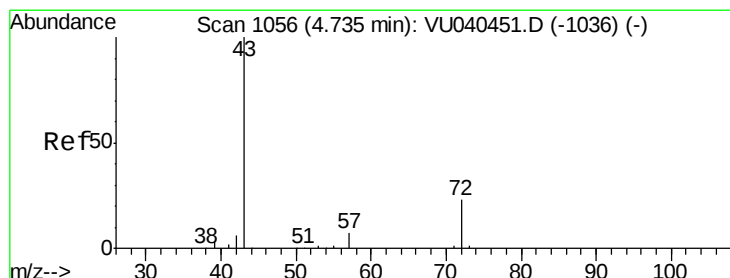
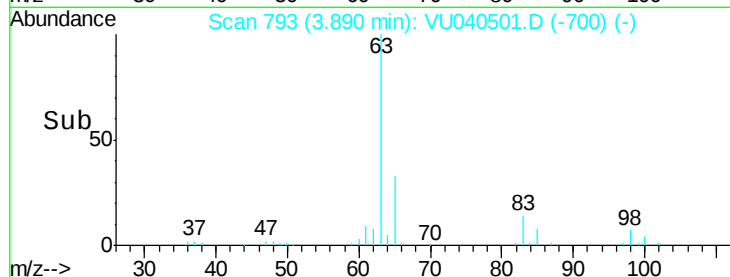
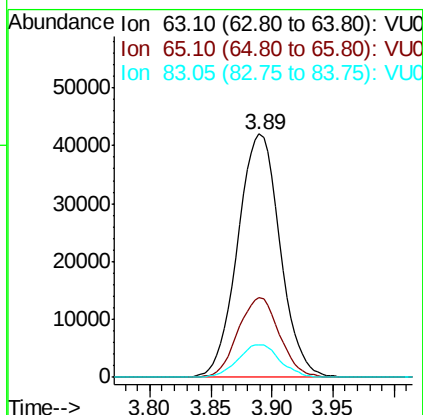
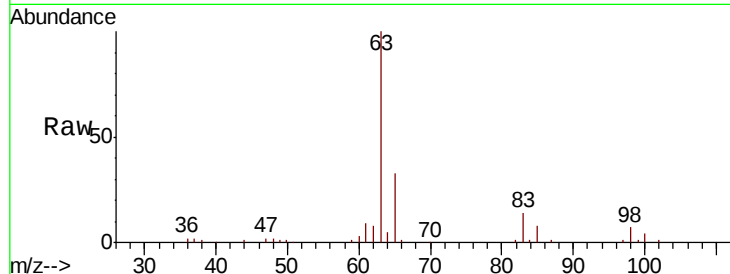




#19
 1,1-Dichloroethane
 Concen: 4.931 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

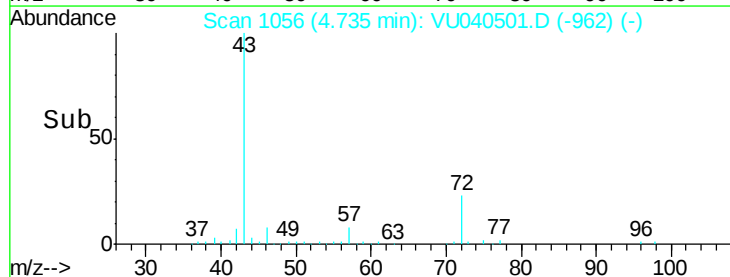
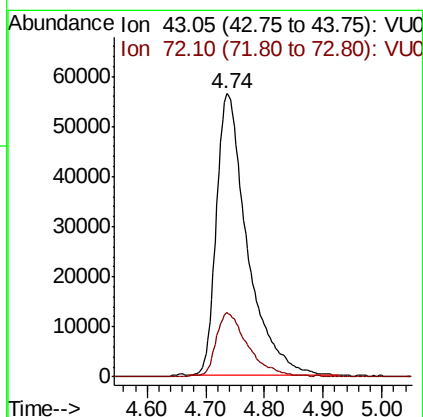
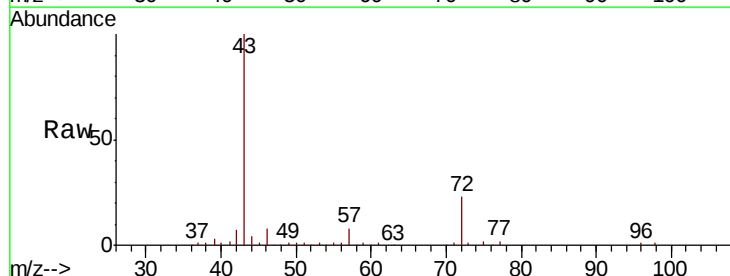
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

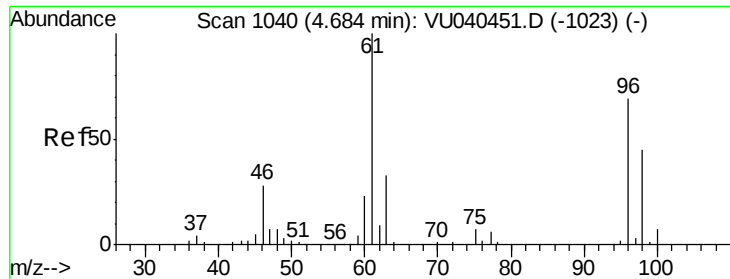
Tot Ion: 63 Resp: 100932
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.7 40.3
 83 13.5 9.1 16.9



#21
 2-Butanone
 Concen: 49.084 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 43 Resp: 204467
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.0 36.1

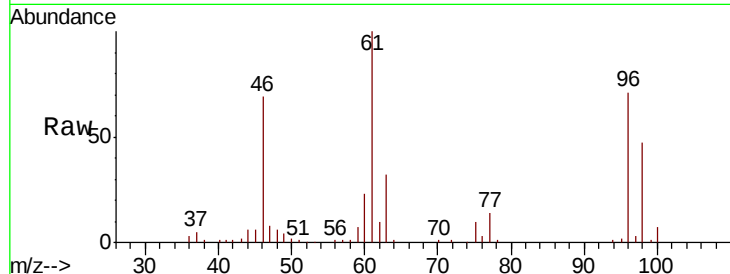




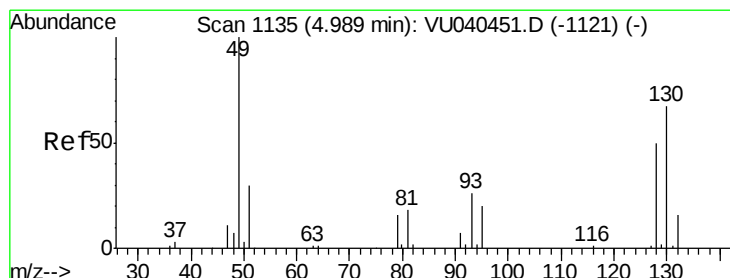
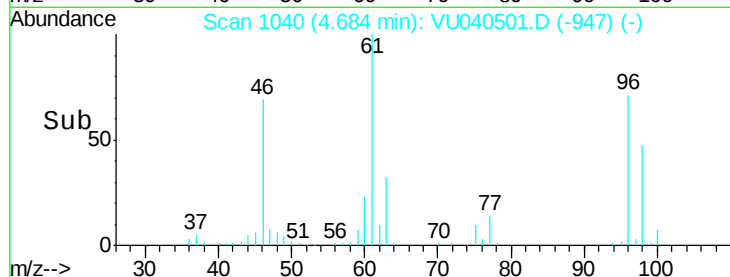
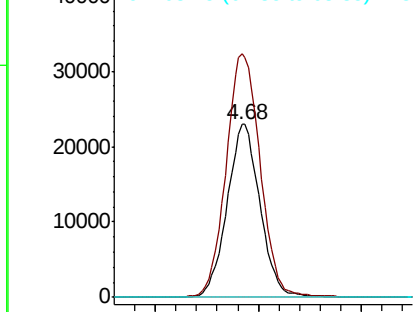
#22
 cis-1,2-Dichloroethene
 Concen: 4.627 ug/L
 RT: 4.68 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 96 Resp: 51049
 Ion Ratio Lower Upper
 96 100
 61 140.9 99.3 184.5
 68 0.0 0.0 0.0

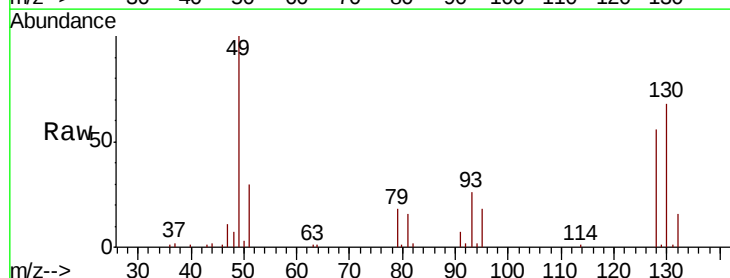


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

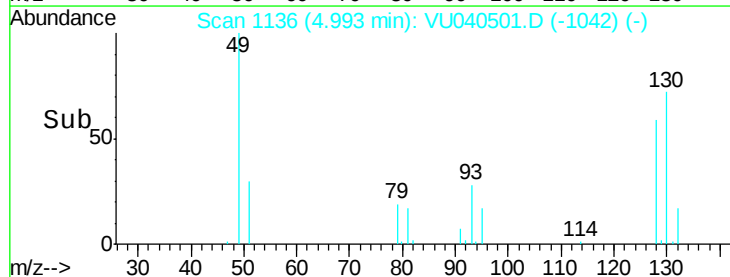
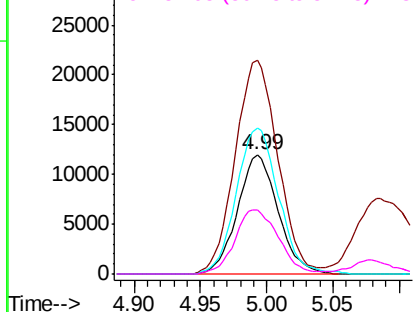


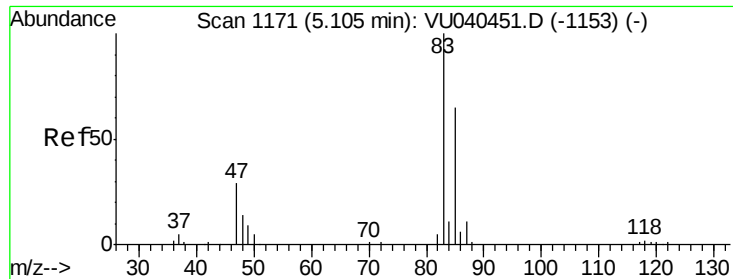
#23
 Bromochloromethane
 Concen: 5.054 ug/L
 RT: 4.99 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 128 Resp: 25527
 Ion Ratio Lower Upper
 128 100
 49 179.2 134.6 250.0
 130 122.1 91.1 169.1
 51 53.2 50.6 75.8



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

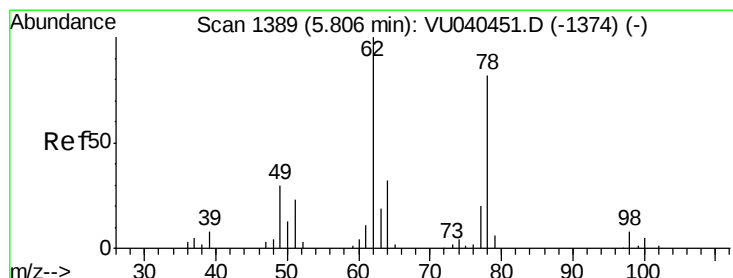
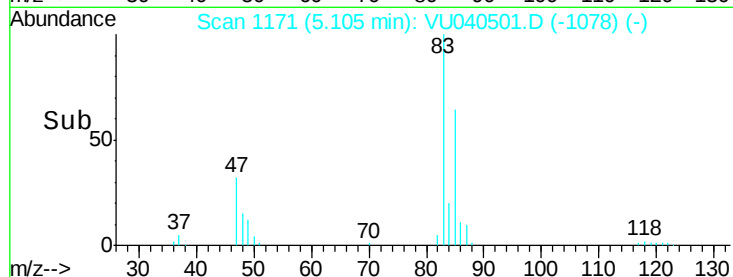
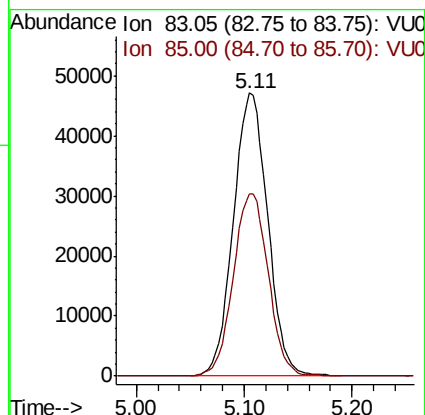
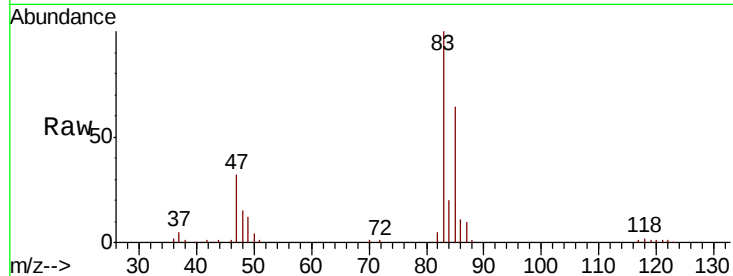




#25
Chloroform
Concen: 5.001 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

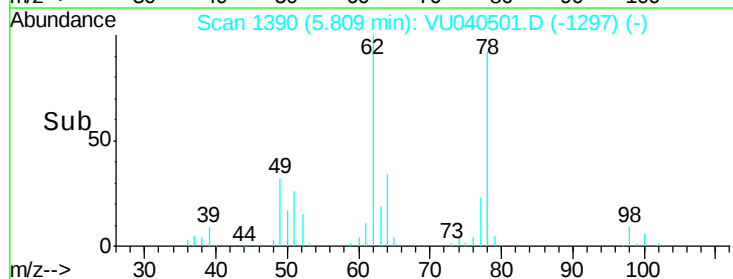
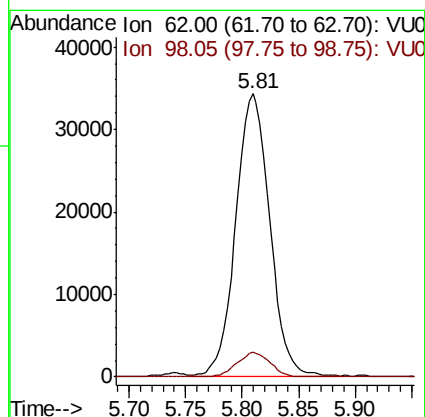
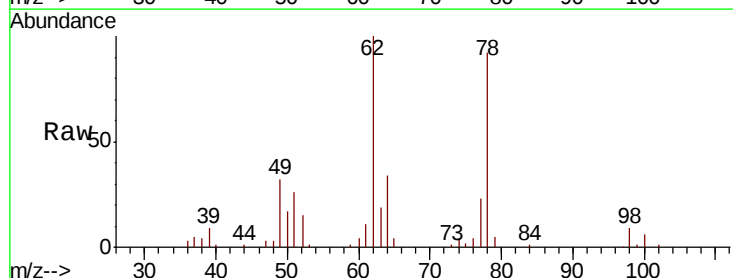
Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

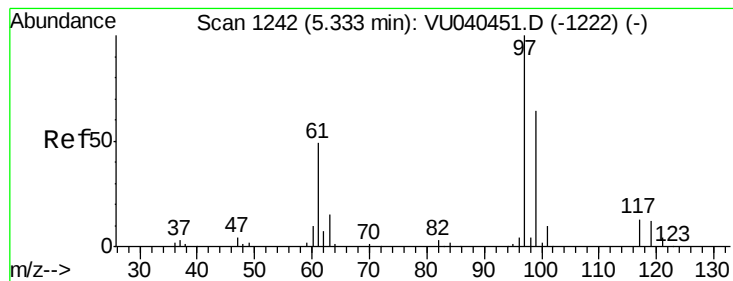
Tot Ion: 83 Resp: 104420
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 4.921 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion: 62 Resp: 71145
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3





#29

1,1,1-Trichloroethane

Concen: 4.985 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleID :

VSTD00512

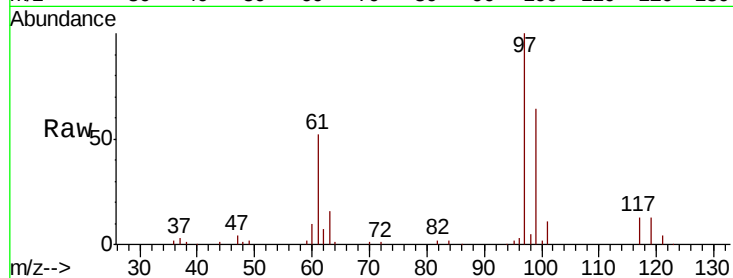
Tot Ion: 97 Resp: 85450

Ion Ratio Lower Upper

97 100

99 63.6 50.7 76.1

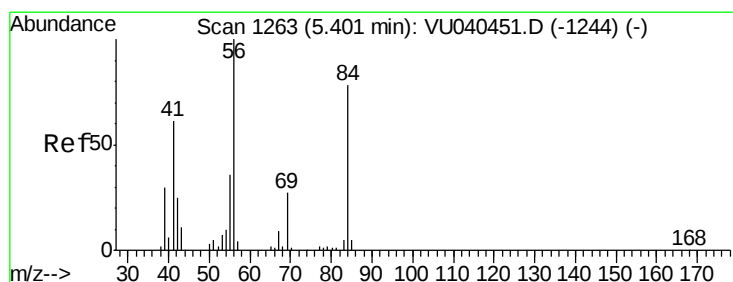
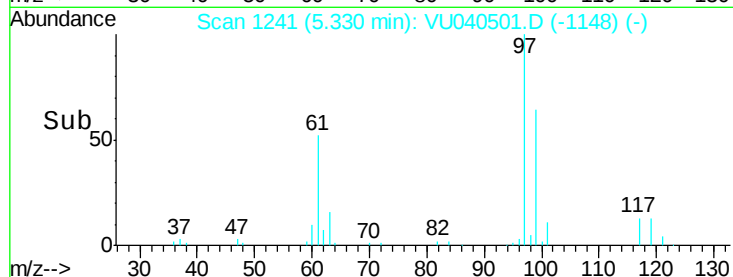
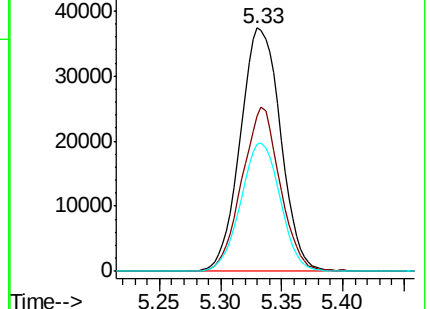
61 51.6 39.7 59.5



Abundance Ion 96.95 (96.65 to 97.65): VU040501.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU040501.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU040501.D (-1148) (-)



#30

Cyclohexane

Concen: 4.513 ug/L

RT: 5.40 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

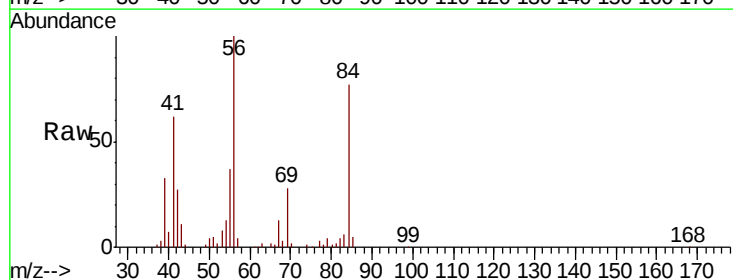
Tgt Ion: 56 Resp: 80017

Ion Ratio Lower Upper

56 100

69 29.3 23.3 34.9

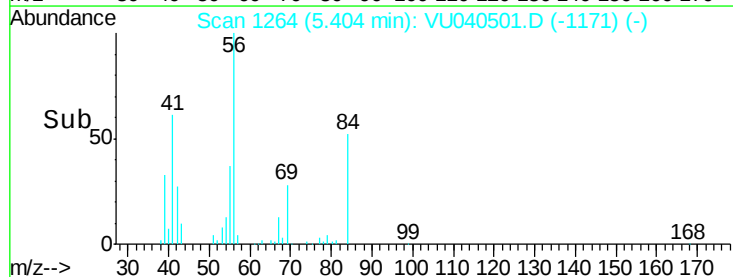
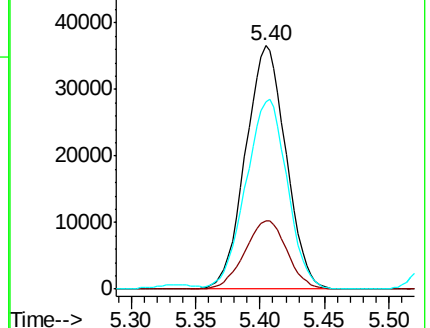
84 79.9 64.2 96.4

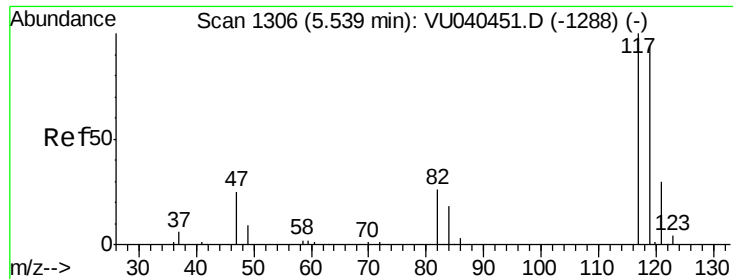


Abundance Ion 56.10 (55.80 to 56.80): VU040501.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040501.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040501.D (-1171) (-)





#31

Carbon tetrachloride

Concen: 4.998 ug/L

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

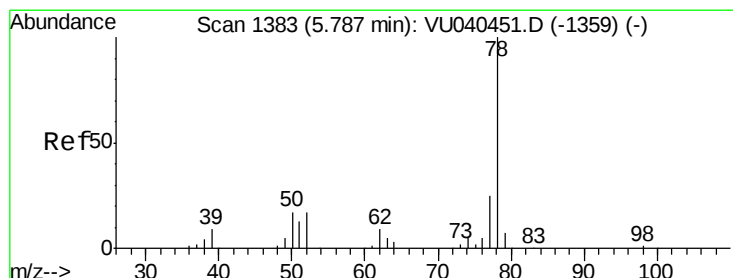
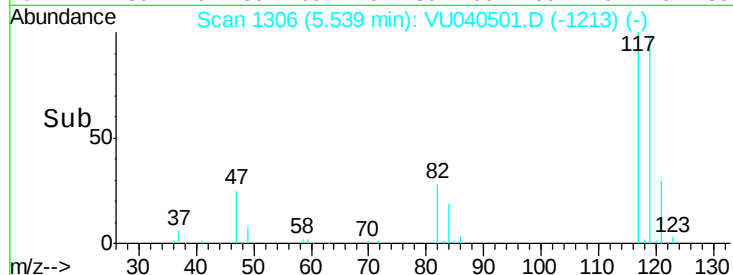
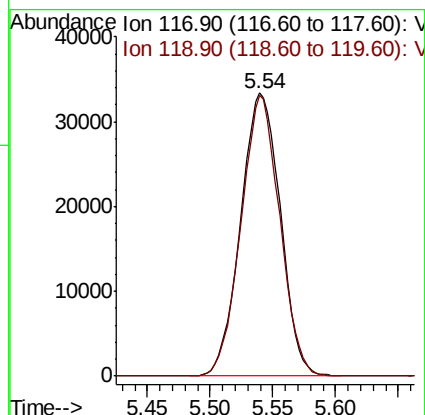
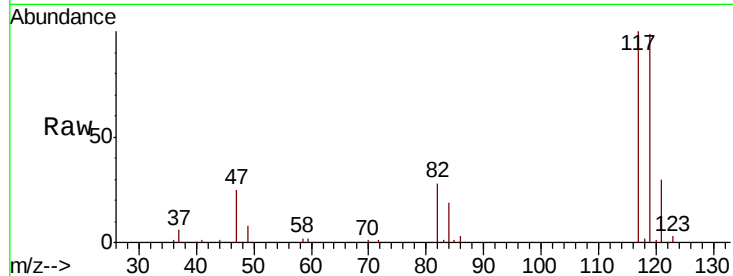
VSTD00512

Tot Ion:117 Resp: 73448

Ion Ratio Lower Upper

117 100

119 96.7 77.5 116.3



#33

Benzene

Concen: 4.937 ug/L

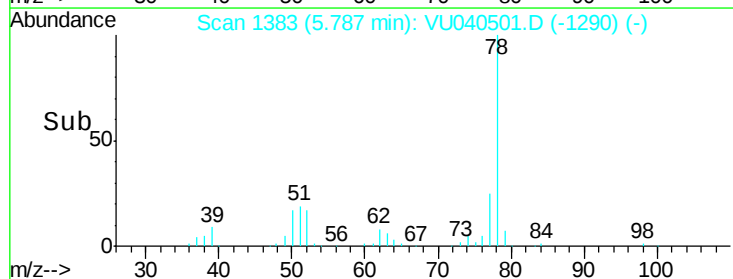
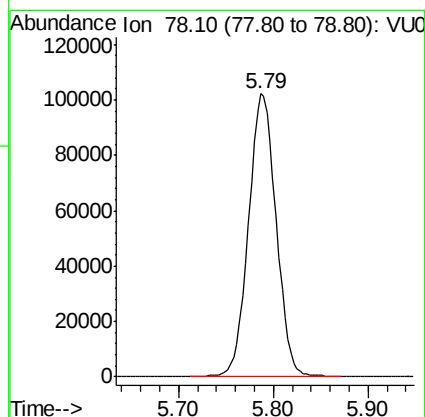
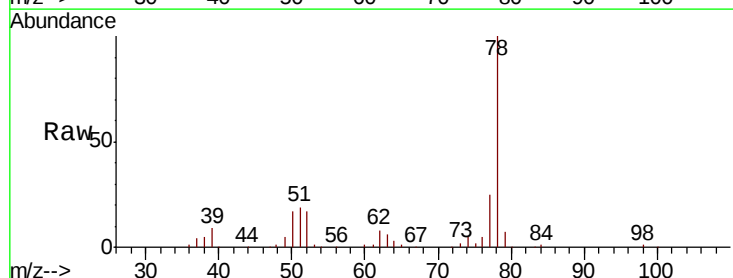
RT: 5.79 min Scan# 1383

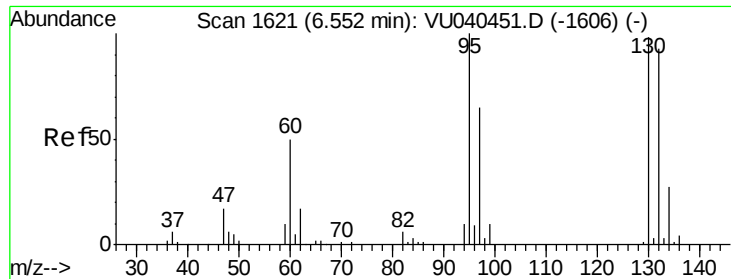
Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Tgt Ion: 78 Resp: 207685

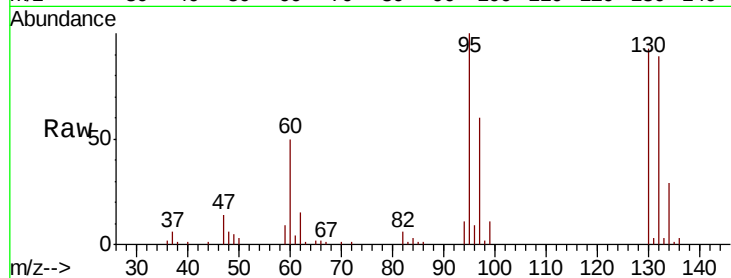




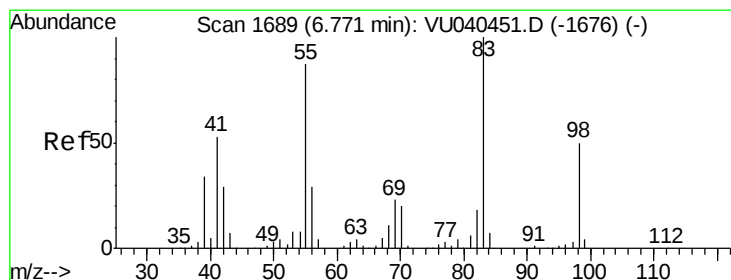
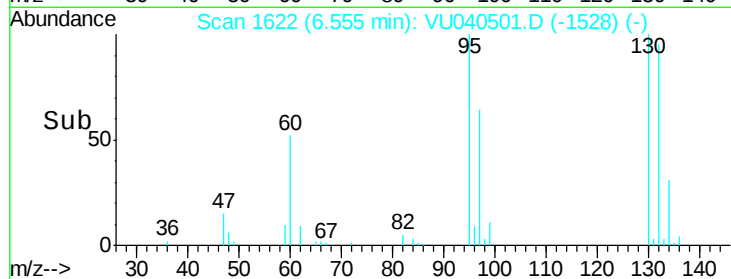
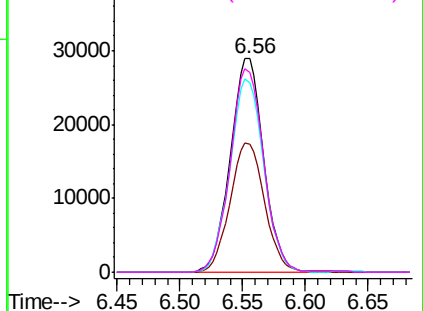
#34
 Trichloroethene
 Concen: 4.800 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion: 95 Resp: 53601
 Ion Ratio Lower Upper
 95 100
 97 59.8 46.3 85.9
 132 89.0 60.5 112.3
 130 93.3 64.3 119.3

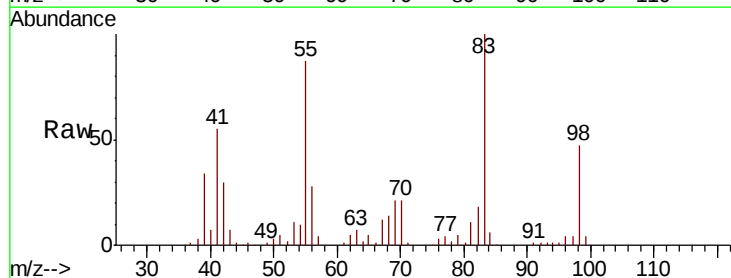


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

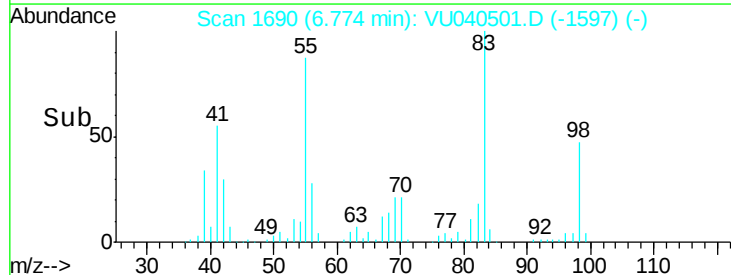
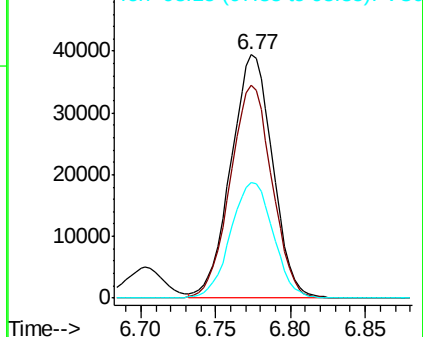


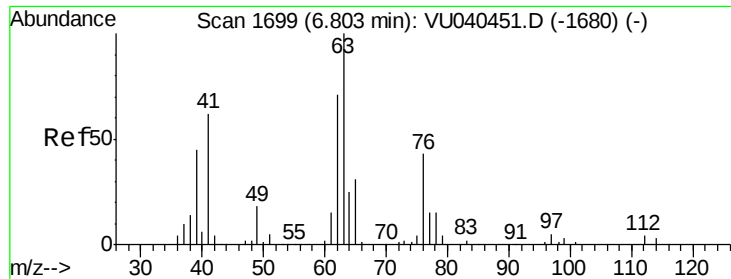
#35
 Methylcyclohexane
 Concen: 4.682 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 83 Resp: 76689
 Ion Ratio Lower Upper
 83 100
 55 87.4 71.4 107.2
 98 48.5 38.5 57.7



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

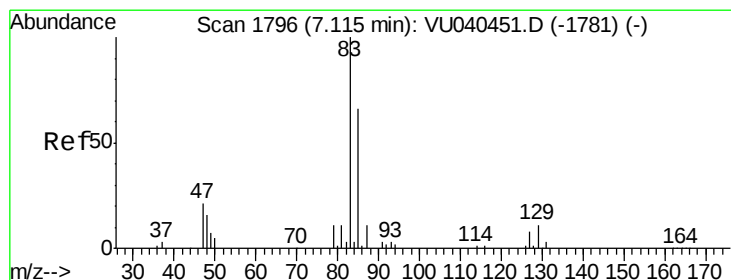
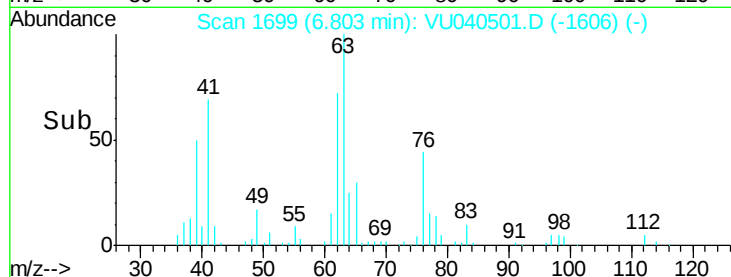
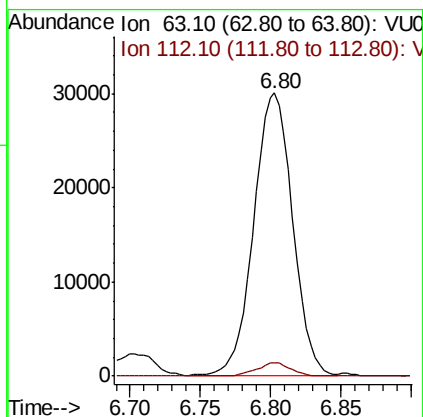
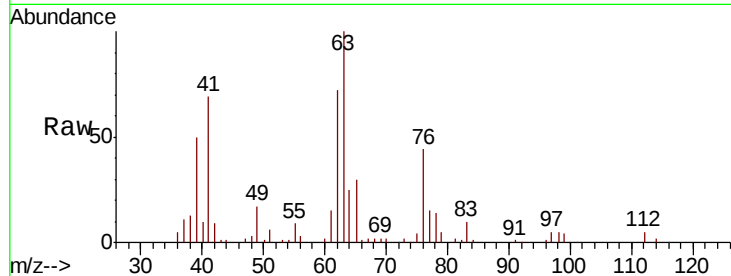




#37
 1,2-Dichloropropane
 Concen: 4.908 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

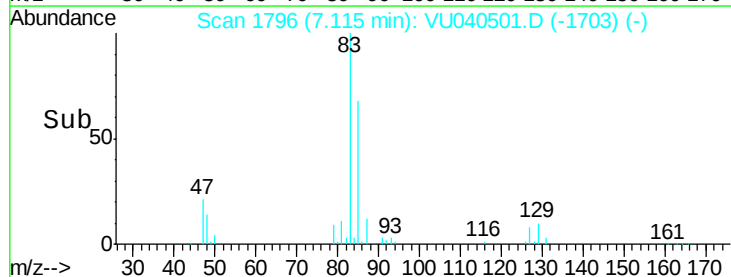
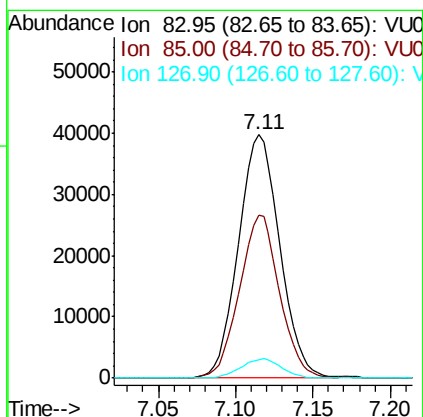
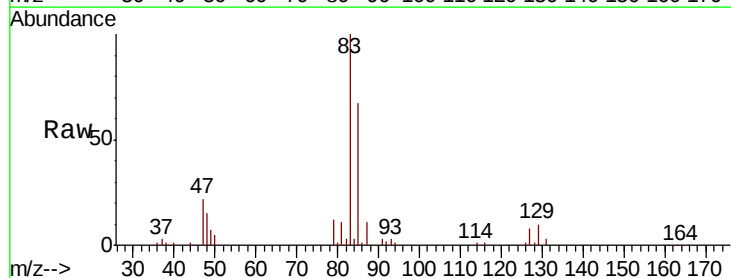
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

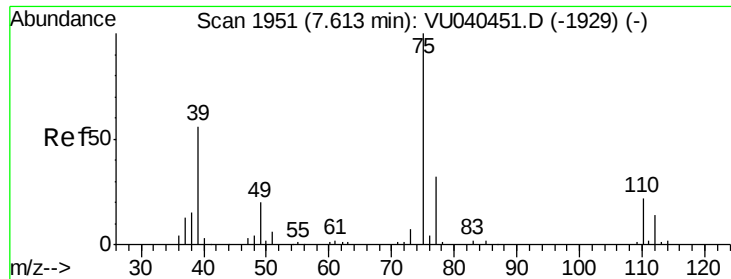
Tot Ion: 63 Resp: 57497
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.111 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 83 Resp: 73939
 Ion Ratio Lower Upper
 83 100
 85 66.8 45.1 83.9
 127 7.8 6.6 9.8

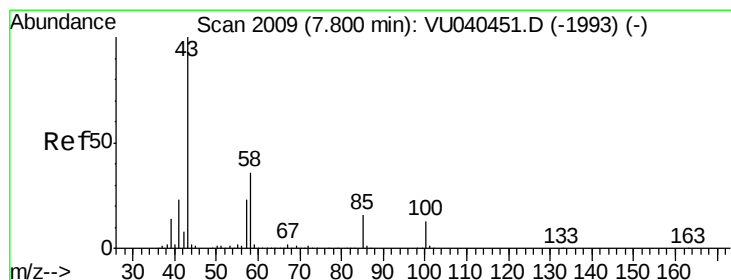
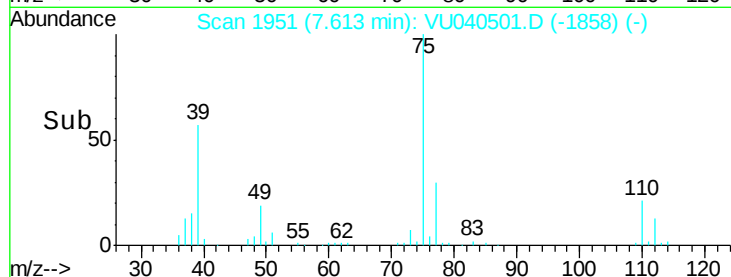
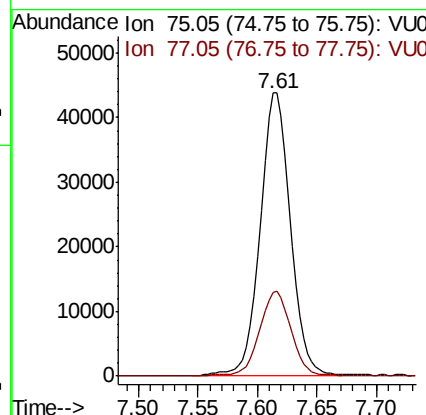
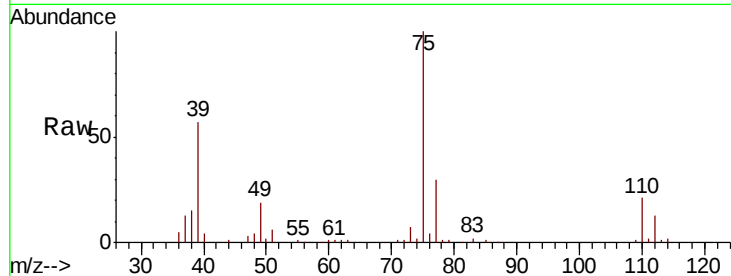




#39
 cis-1,3-Dichloropropene
 Concen: 4.927 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

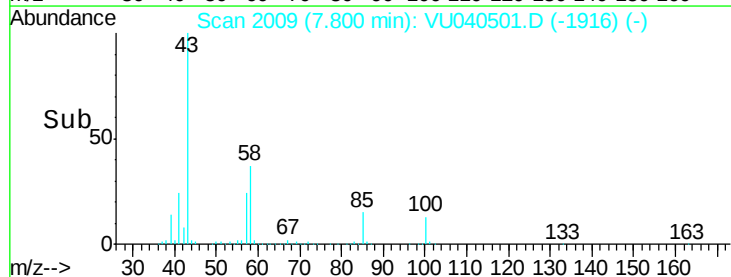
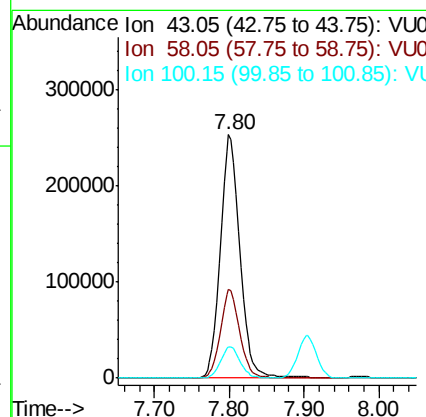
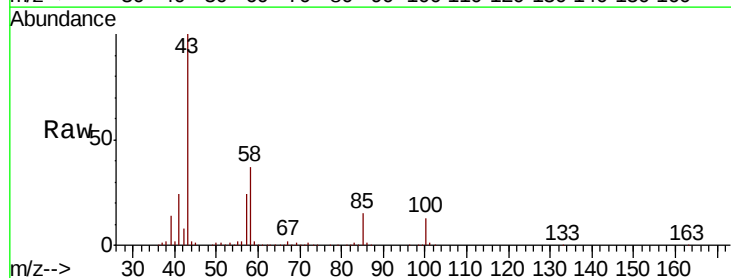
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

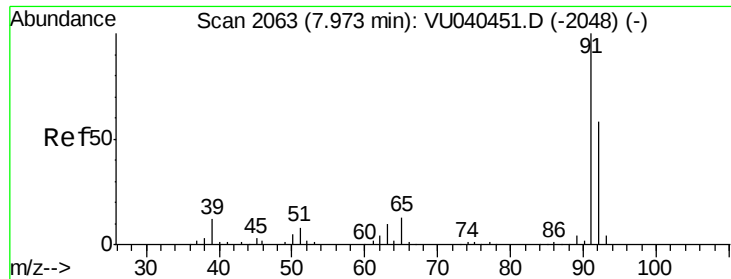
Tot Ion: 75 Resp: 77412
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.5 43.7



#40
 4-Methyl-2-pentanone
 Concen: 50.273 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 43 Resp: 461217
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.2 43.8
 100 12.9 10.3 15.5





#42

Toluene

Concen: 5.020 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampled :

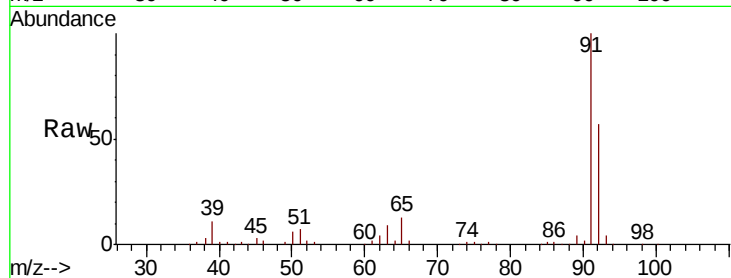
VSTD00512

Tot Ion: 91 Resp: 216553

Ion Ratio Lower Upper

91 100

92 56.8 40.0 74.4



Abundance Ion 91.15 (90.85 to 91.85): VU040451.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040451.D (-2048) (-)

7.98

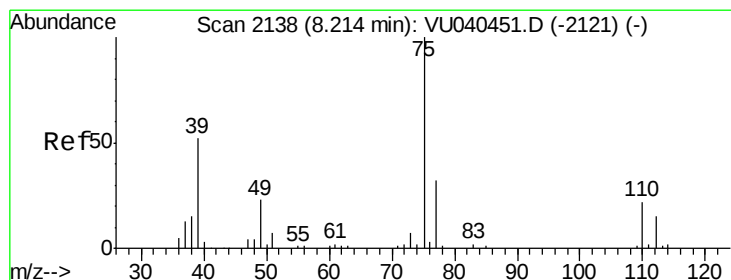
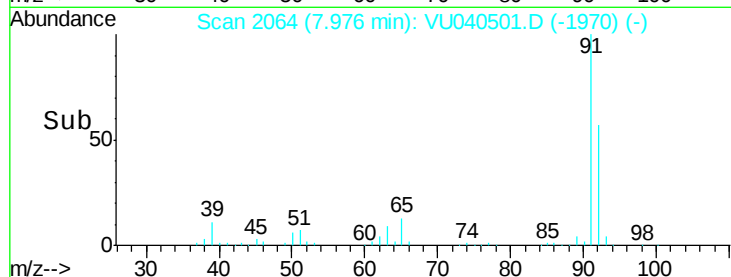
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.004 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040501.D

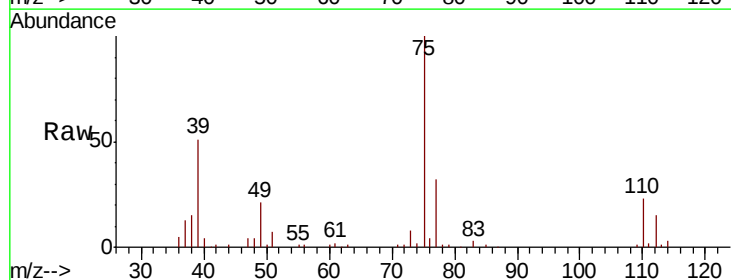
Acq: 05 Oct 2020 11:01

Tgt Ion: 75 Resp: 72493

Ion Ratio Lower Upper

75 100

77 32.1 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VU040451.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU040451.D (-2121) (-)

8.22

40000

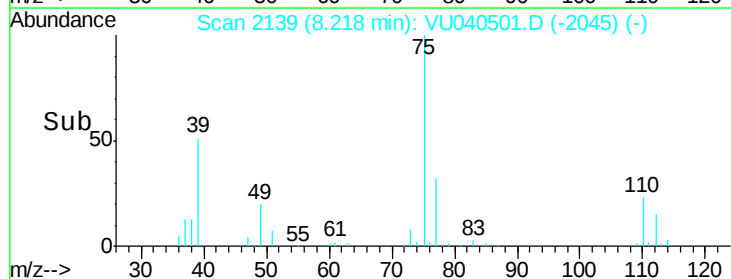
30000

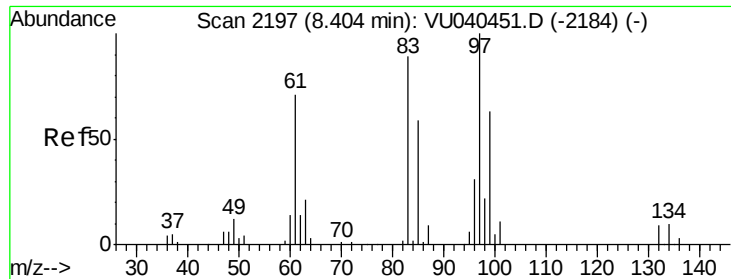
20000

10000

0

Time-->

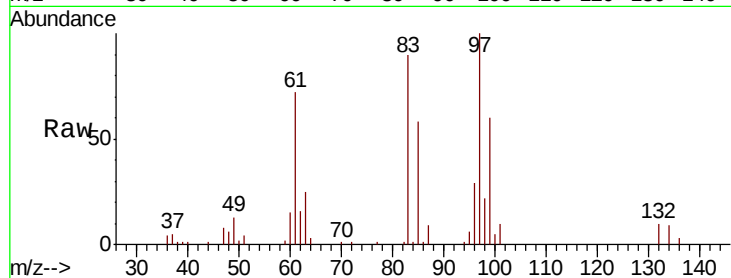




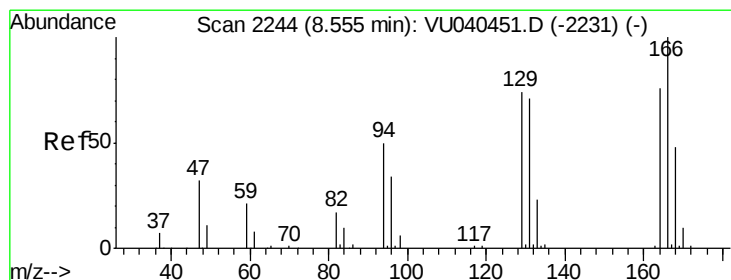
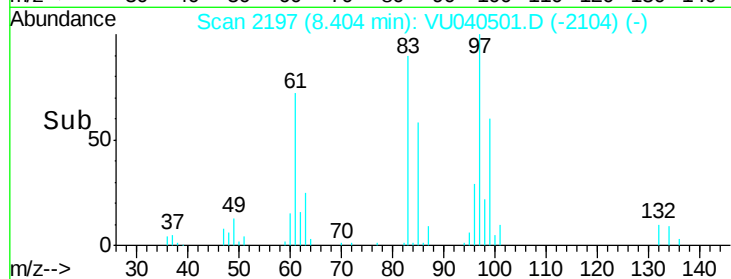
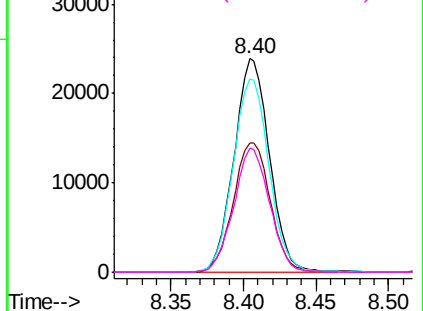
#45
 1,1,2-Trichloroethane
 Concen: 4.959 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

Tot Ion:	97	Resp:	40722
Ion	Ratio	Lower	Upper
97	100		
99	60.5	45.8	85.0
83	90.5	62.9	116.9
85	58.0	41.7	77.5

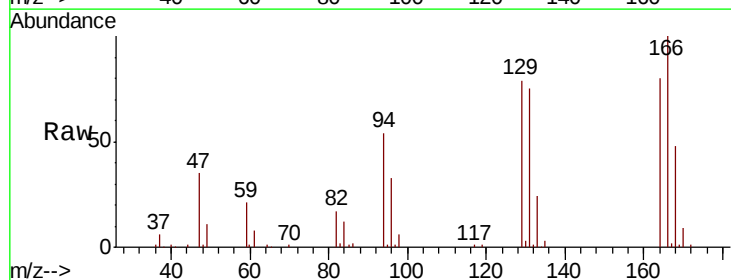


Abundance Ion 96.95 (96.65 to 97.65): VU040501.D (-2197) (-)

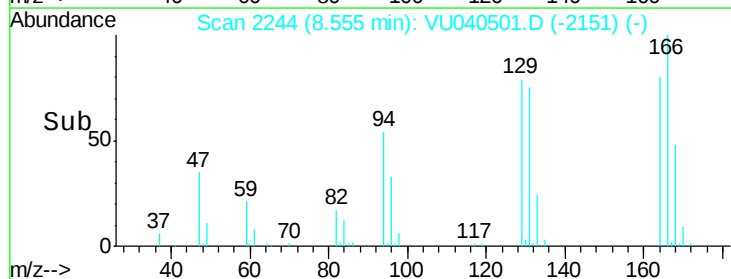
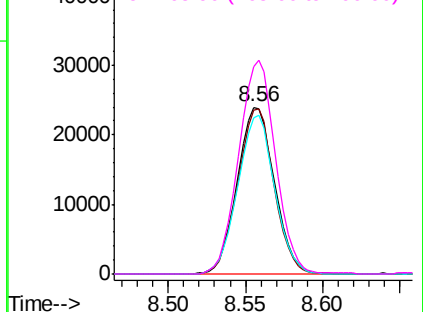


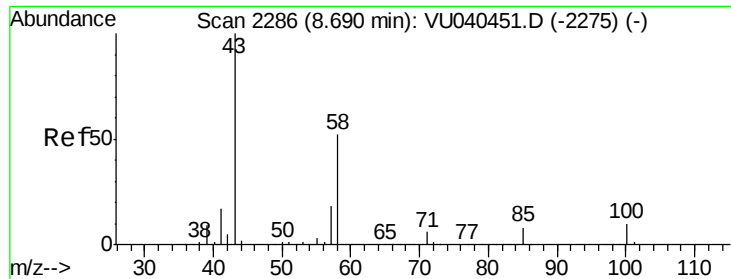
#47
 Tetrachloroethene
 Concen: 5.064 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion:	164	Resp:	40155
Ion	Ratio	Lower	Upper
164	100		
129	98.1	70.3	130.7
131	93.7	69.2	128.6
166	124.8	91.1	169.3



Abundance Ion 163.90 (163.60 to 164.60): VU040501.D (-2244) (-)

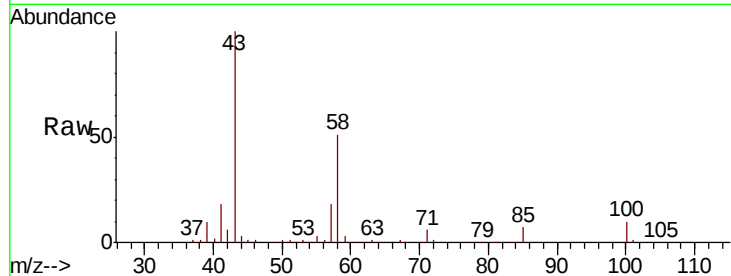




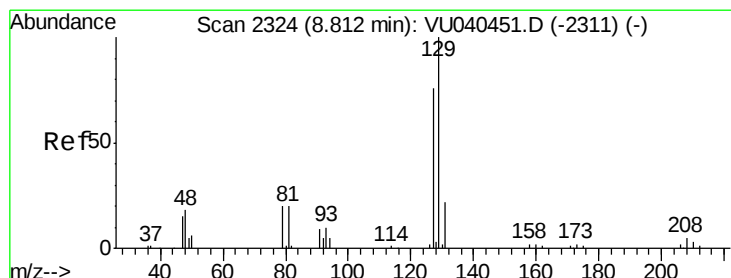
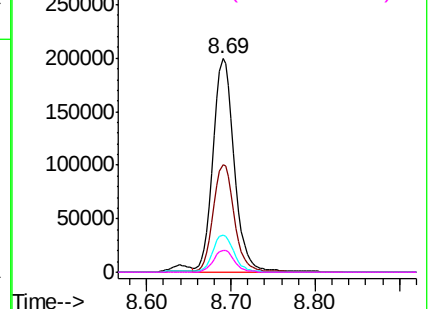
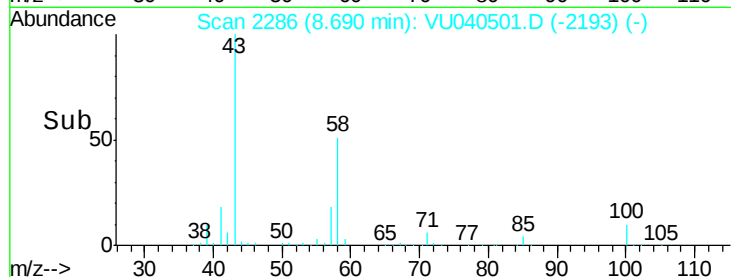
#48
2-Hexanone
Concen: 51.902 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion: 43 Resp: 350873
Ion Ratio Lower Upper
43 100
58 50.7 41.0 61.4
57 17.2 14.6 22.0
100 10.2 8.2 12.4

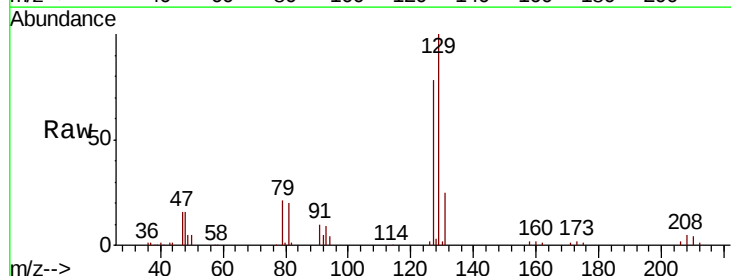


Abundance Ion 43.05 (42.75 to 43.75): VU040501.D (-2193) (-)
Ion 58.05 (57.75 to 58.75): VU040501.D (-2193) (-)
Ion 57.20 (56.90 to 57.90): VU040501.D (-2193) (-)
Ion 100.15 (99.85 to 100.85): VU040501.D (-2193) (-)

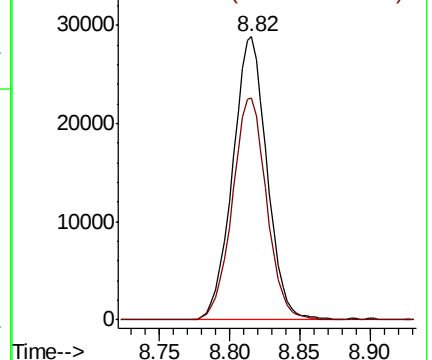
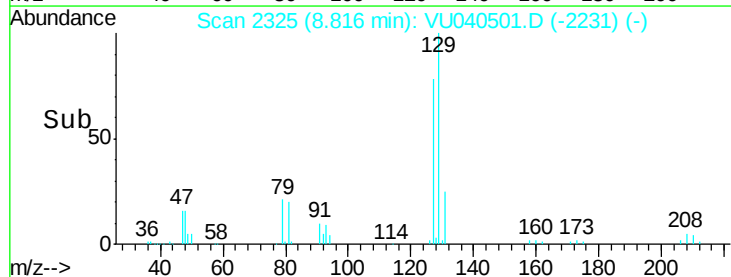


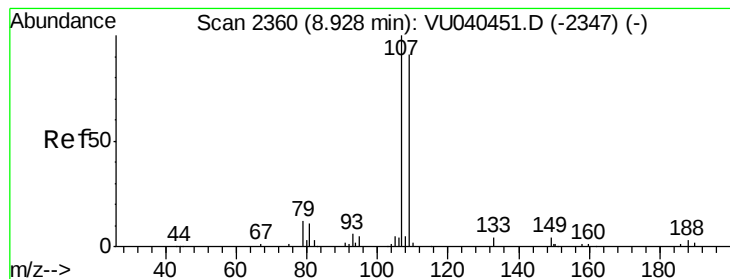
#49
Dibromochloromethane
Concen: 5.142 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion: 129 Resp: 49119
Ion Ratio Lower Upper
129 100
127 78.4 55.4 103.0



Abundance Ion 128.95 (128.65 to 129.65): VU040501.D (-2231) (-)
Ion 126.90 (126.60 to 127.60): VU040501.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 4.917 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

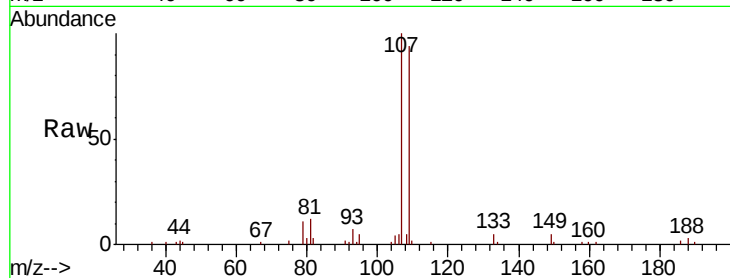
Tot Ion:107 Resp: 38734

Ion Ratio Lower Upper

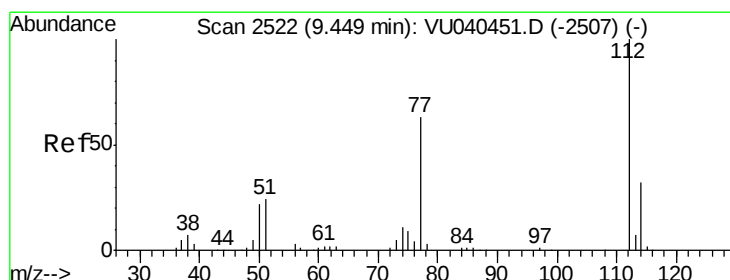
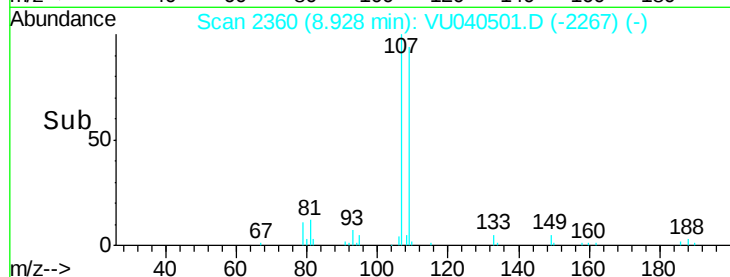
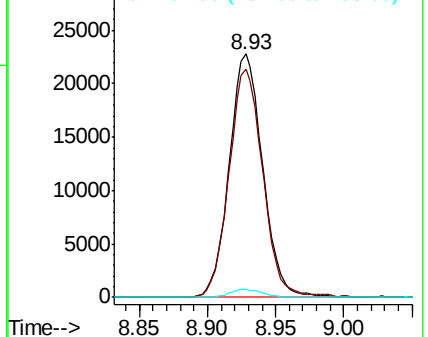
107 100

109 93.8 69.4 128.8

188 3.3 3.3 4.9#



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.863 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

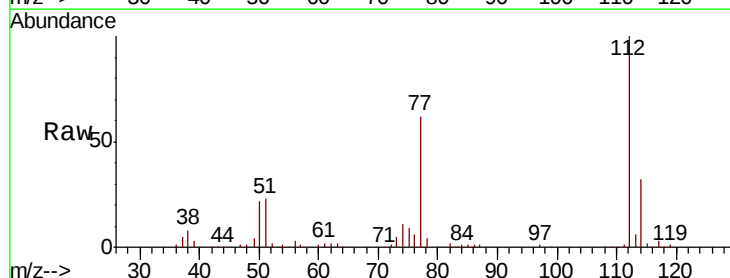
Tgt Ion:112 Resp: 135628

Ion Ratio Lower Upper

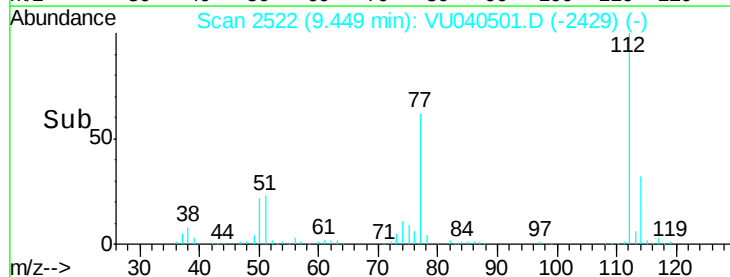
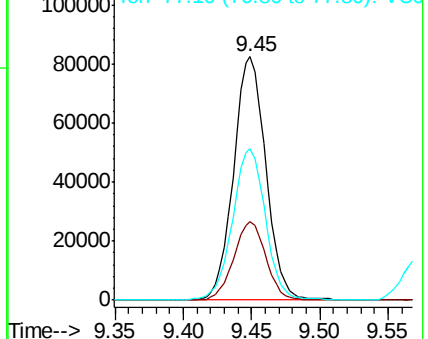
112 100

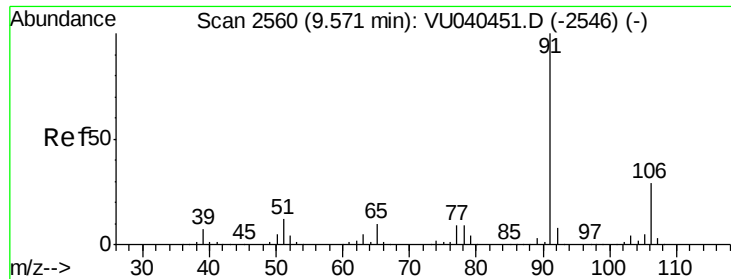
114 32.3 22.0 40.8

77 62.0 49.5 74.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.888 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

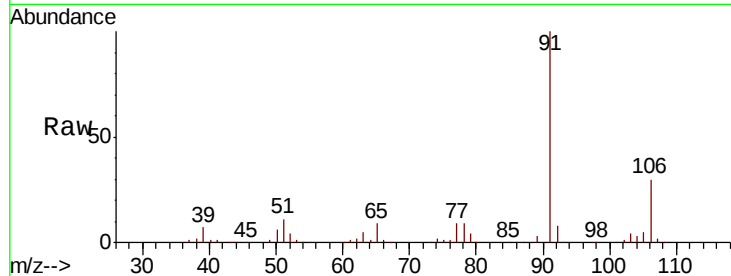
VSTD00512

Tot Ion: 91 Resp: 228799

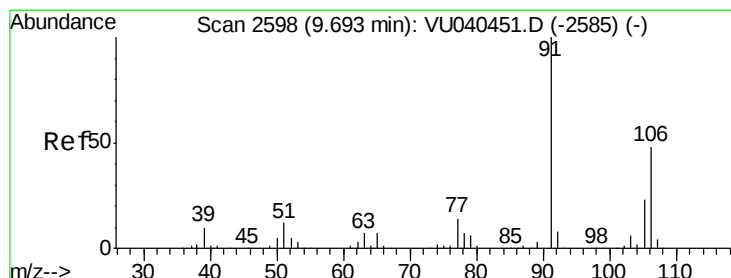
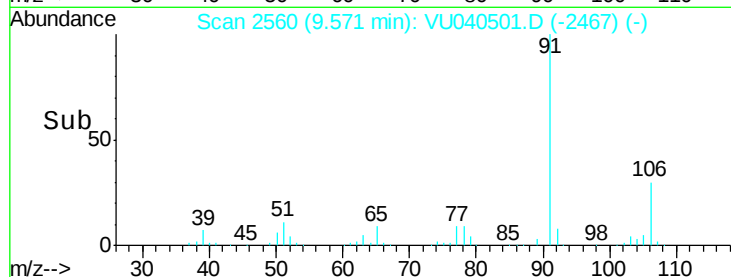
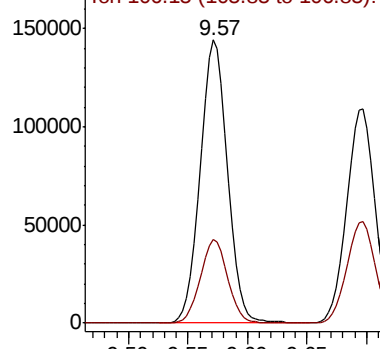
Ion Ratio Lower Upper

91 100

106 29.6 21.1 39.3



Abundance Ion 91.15 (90.85 to 91.85): VU040451.D (-2546) (-)



#53

m,p-Xylene

Concen: 4.956 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040501.D

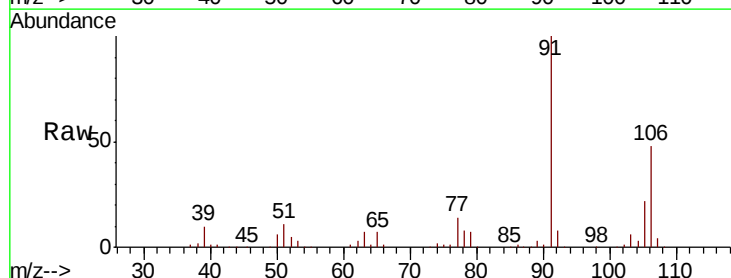
Acq: 05 Oct 2020 11:01

Tgt Ion: 106 Resp: 86416

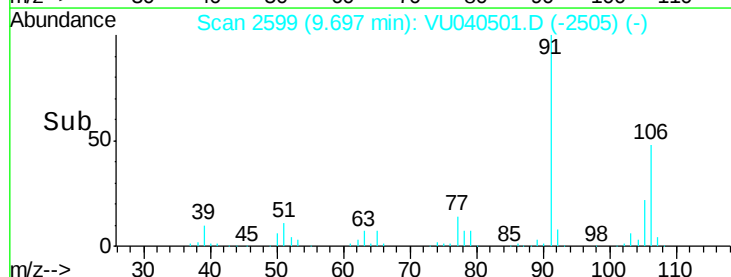
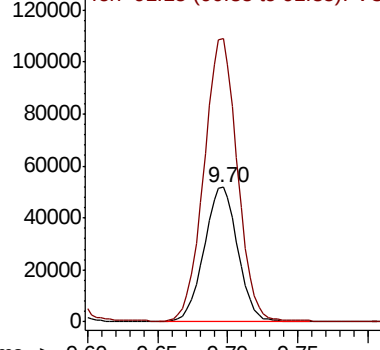
Ion Ratio Lower Upper

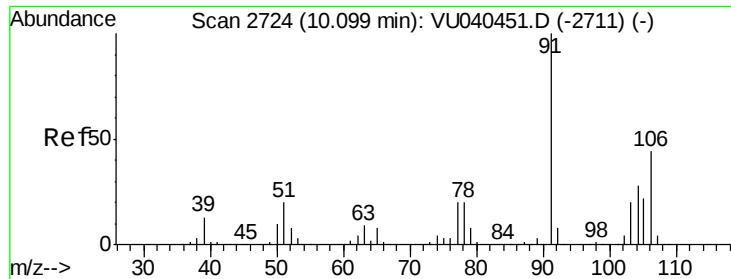
106 100

91 210.5 149.0 276.6



Abundance Ion 106.15 (105.85 to 106.85): VU040451.D (-2585) (-)

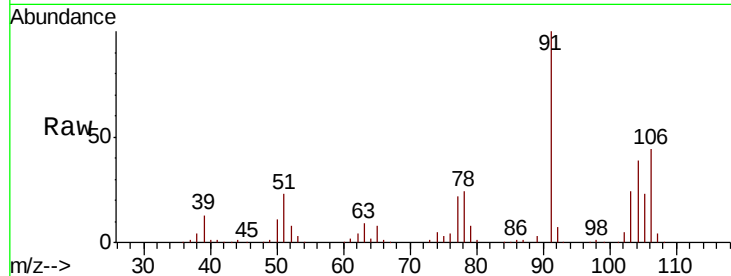




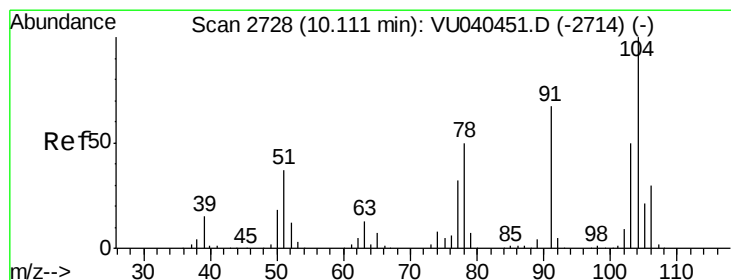
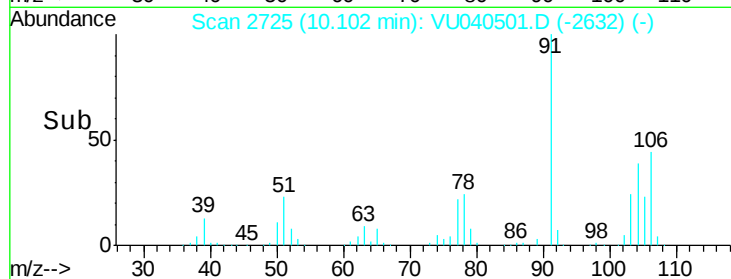
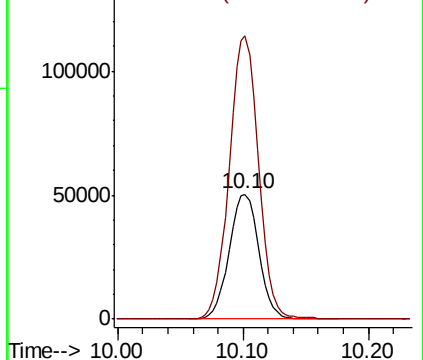
#54
o-Xylene
Concen: 5.057 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:106 Resp: 82962
Ion Ratio Lower Upper
106 100
91 226.5 160.9 298.9

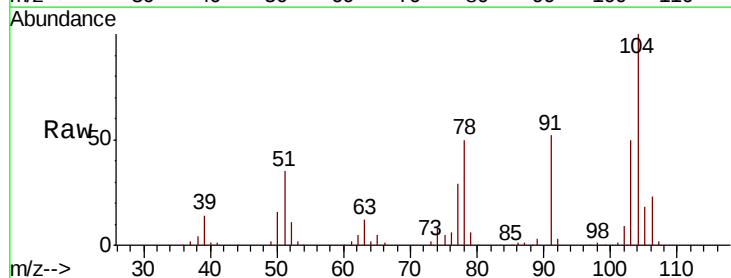


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

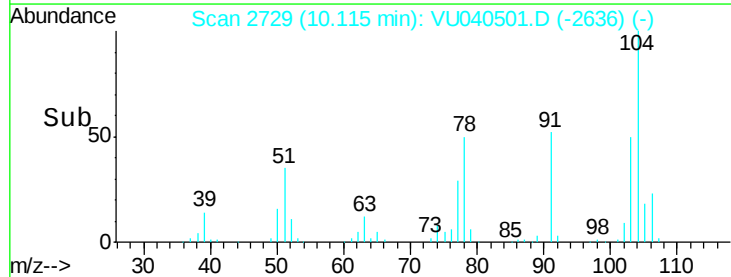
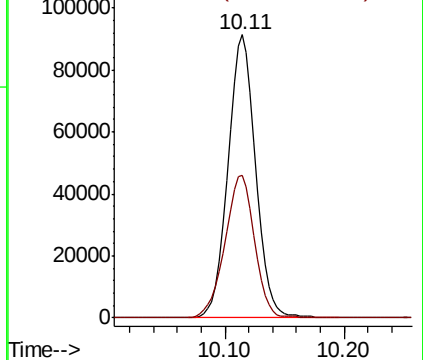


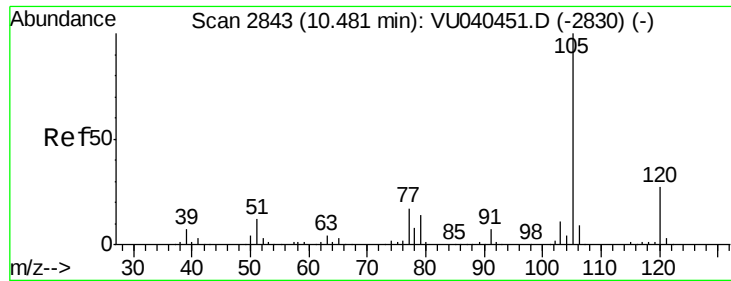
#55
Styrene
Concen: 5.130 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion:104 Resp: 146783
Ion Ratio Lower Upper
104 100
78 50.4 34.4 63.8



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





#56

Isopropylbenzene

Concen: 4.946 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

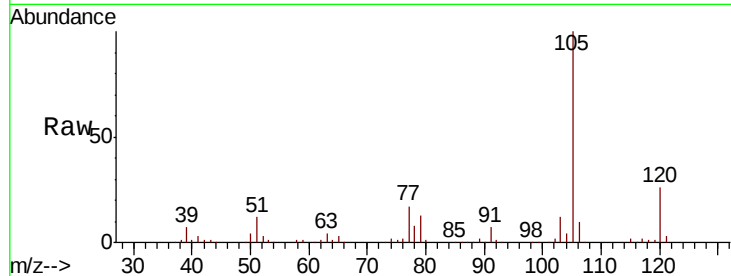
Tot Ion:105 Resp: 218960

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

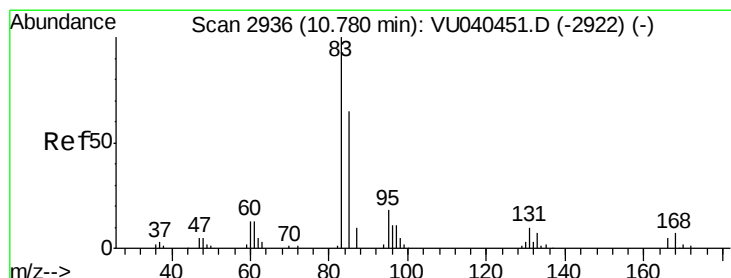
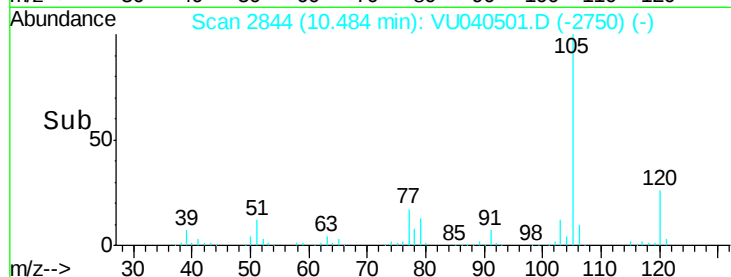
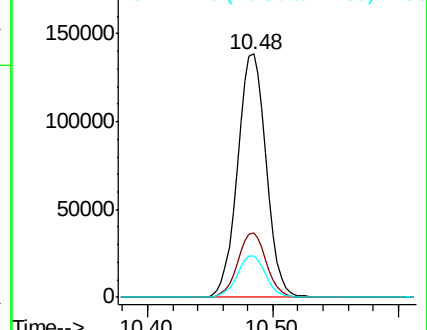
77 17.0 14.3 21.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.774 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

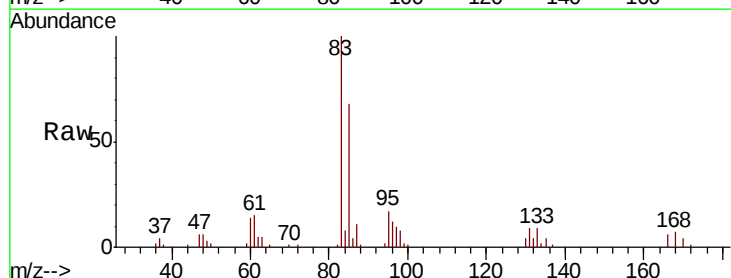
Tgt Ion: 83 Resp: 53140

Ion Ratio Lower Upper

83 100

85 68.2 45.1 83.9

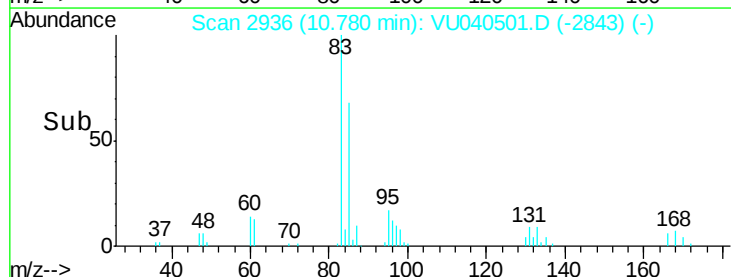
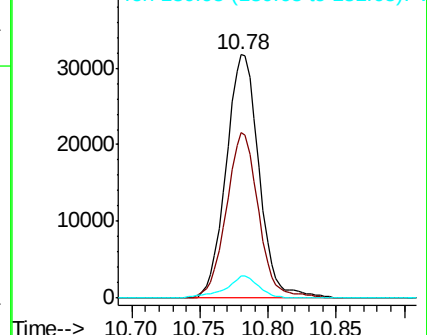
131 8.9 6.6 10.0

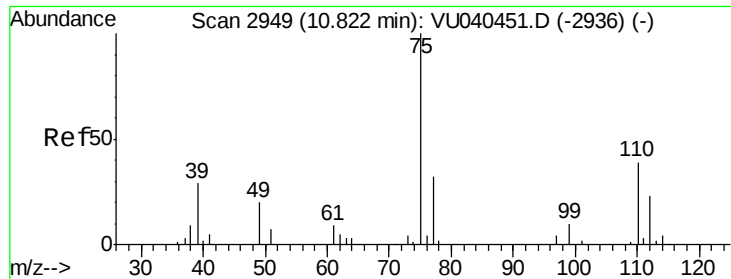


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

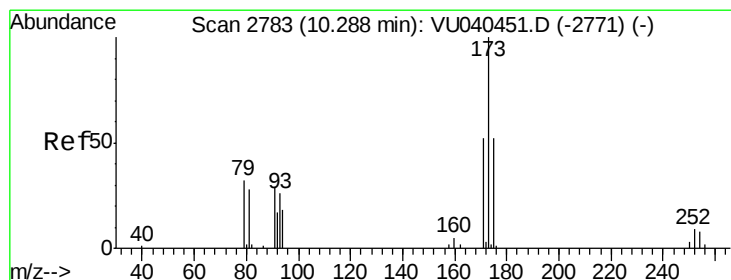
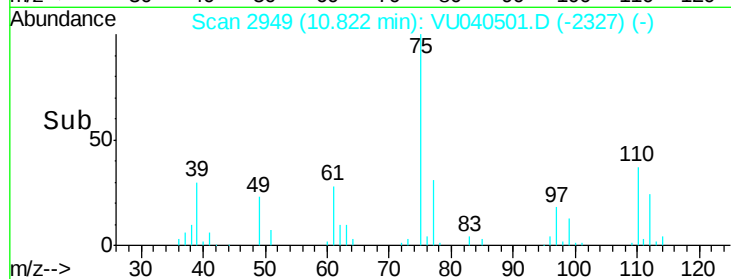
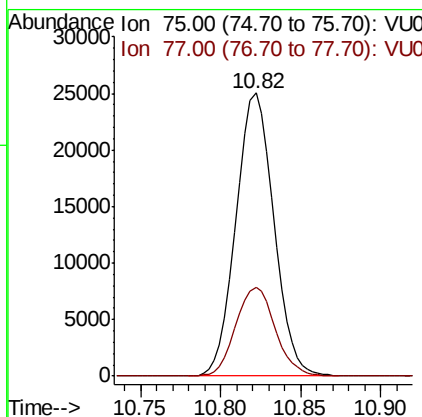
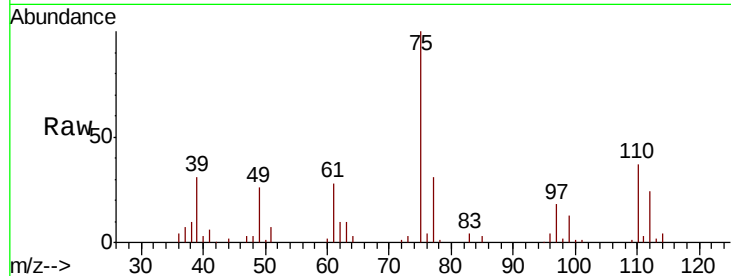




#59
 1,2,3-Trichloropropane
 Concen: 4.757 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

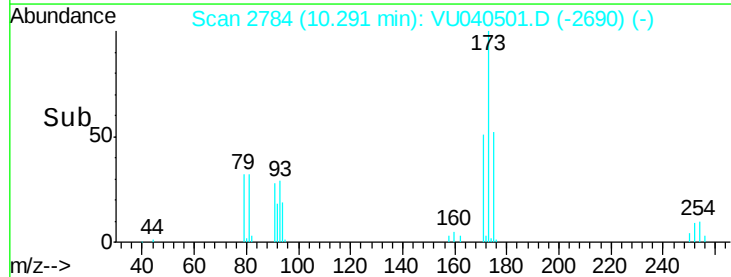
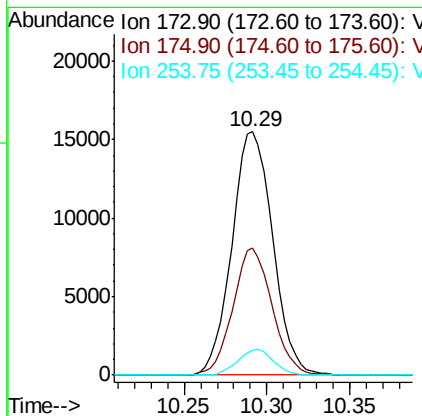
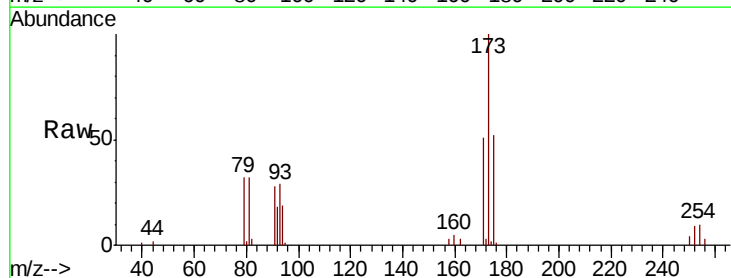
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

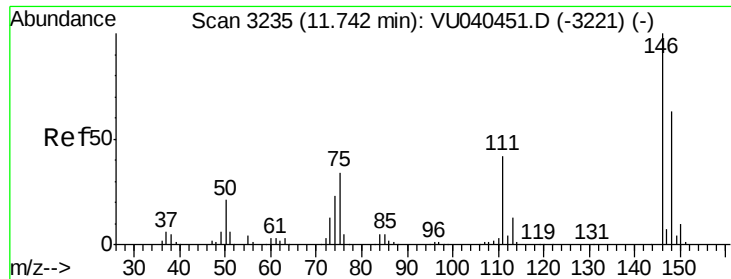
Tot Ion: 75 Resp: 40393
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5



#61
 Bromoform
 Concen: 4.950 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion: 173 Resp: 26532
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.6 59.4
 254 9.1 7.0 10.4

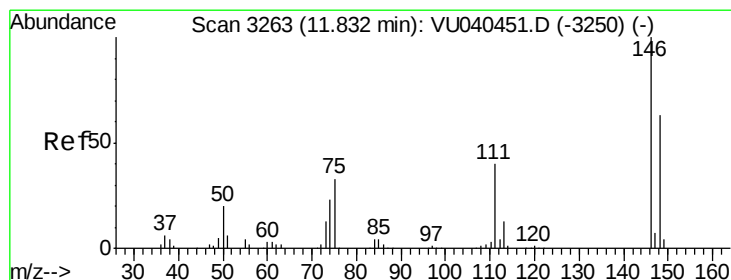
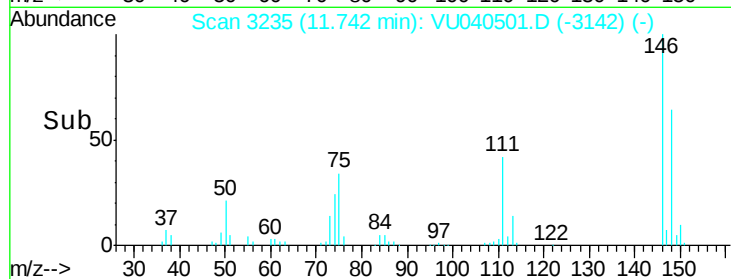
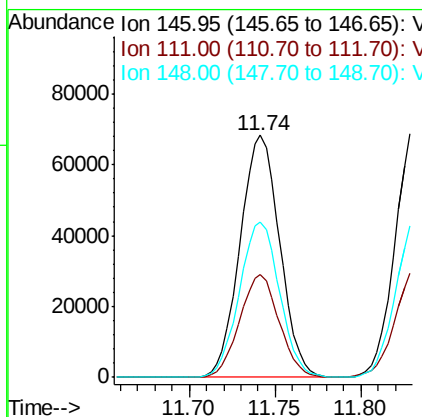
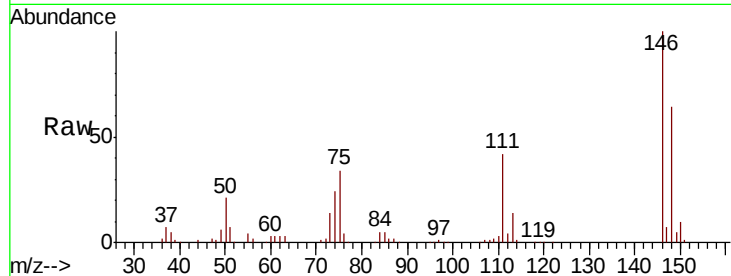




#62
 1,3-Dichlorobenzene
 Concen: 5.089 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

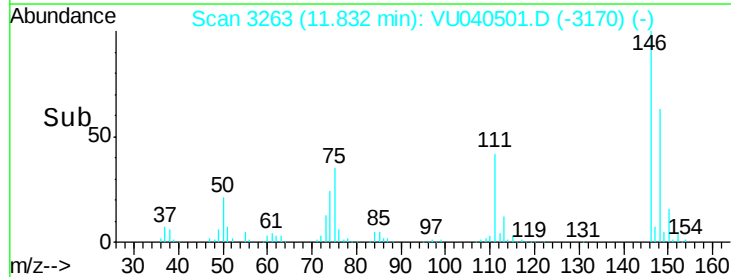
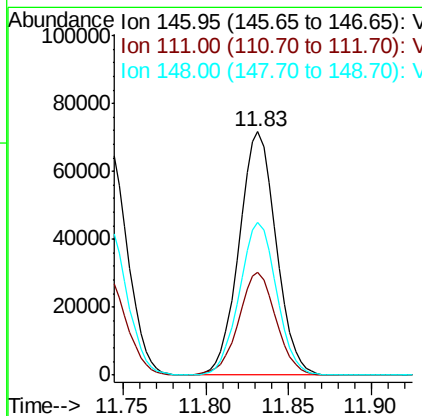
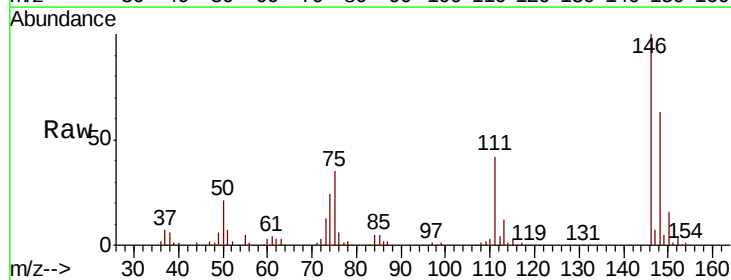
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

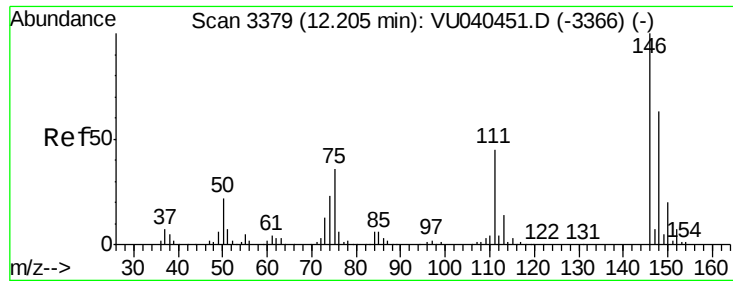
Tot Ion:146 Resp: 109259
 Ion Ratio Lower Upper
 146 100
 111 42.5 28.6 53.0
 148 64.2 43.4 80.6



#63
 1,4-Dichlorobenzene
 Concen: 4.977 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion:146 Resp: 111155
 Ion Ratio Lower Upper
 146 100
 111 42.1 29.2 54.2
 148 62.7 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 5.084 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTD00512

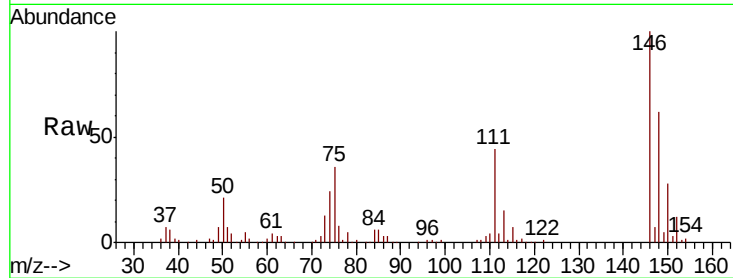
Tot Ion:146 Resp: 106109

Ion Ratio Lower Upper

146 100

111 43.6 35.6 53.4

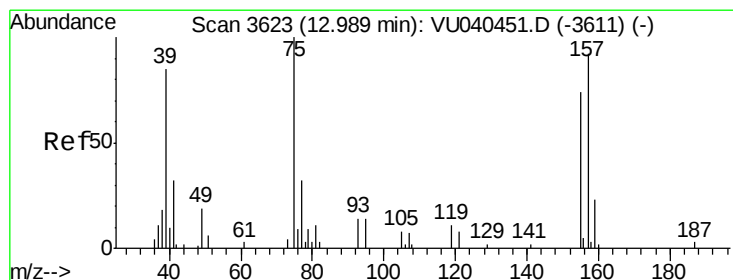
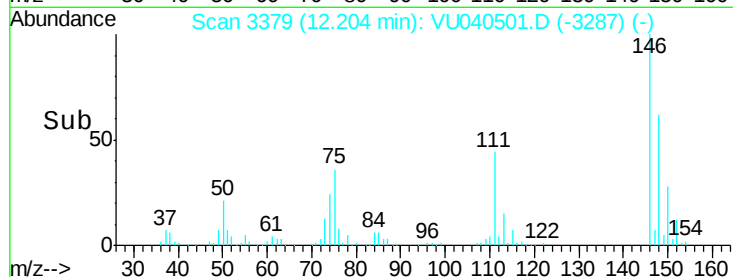
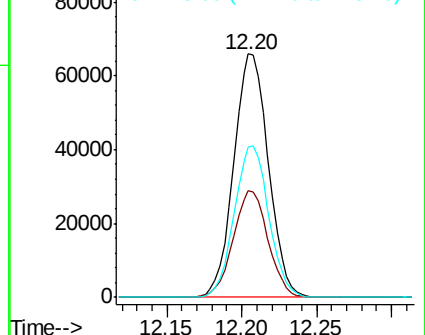
148 61.6 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.890 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VU040501.D

Acq: 05 Oct 2020 11:01

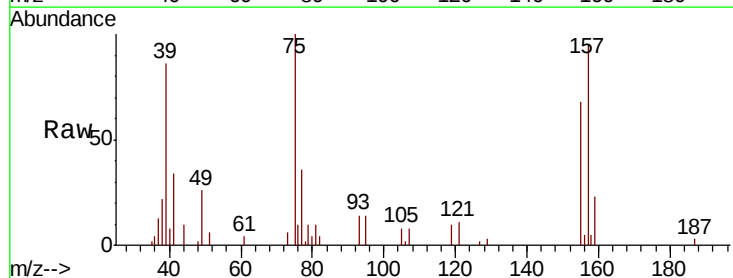
Tgt Ion: 75 Resp: 9200

Ion Ratio Lower Upper

75 100

155 67.6 59.4 89.2

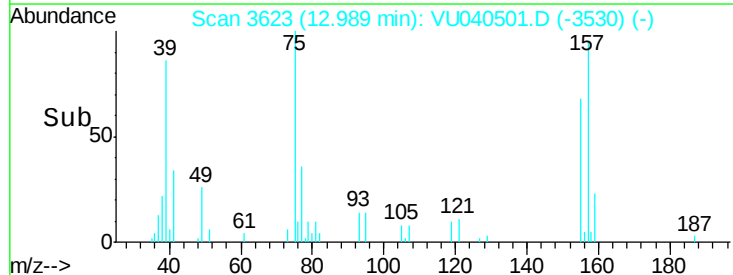
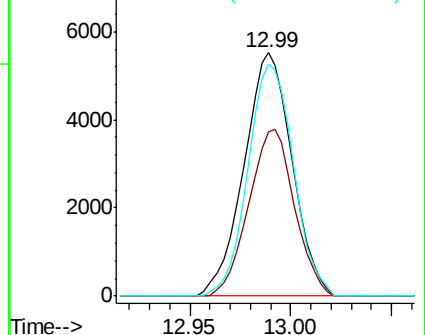
157 95.4 65.0 97.4

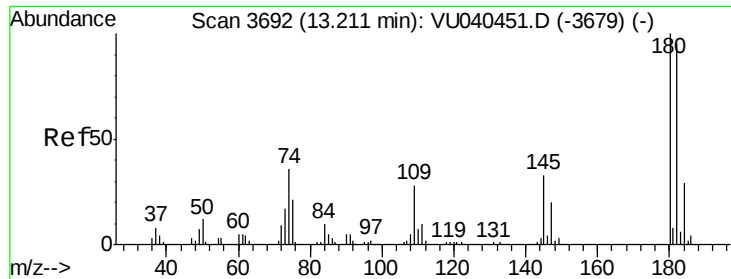


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

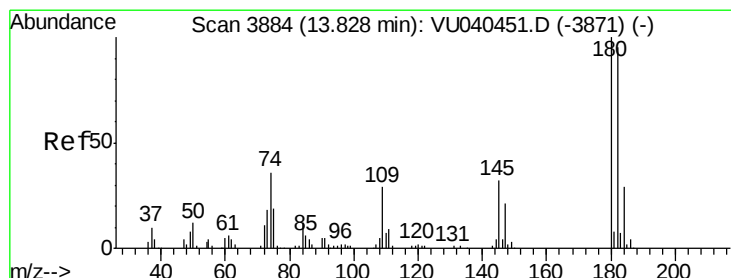
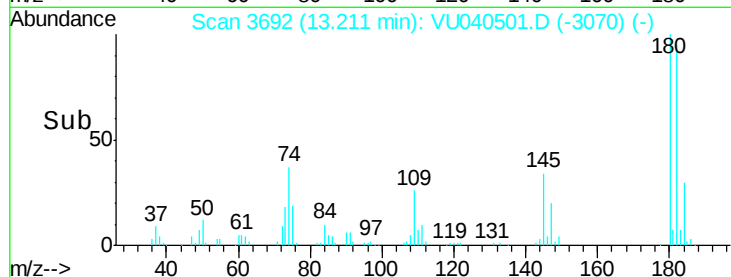
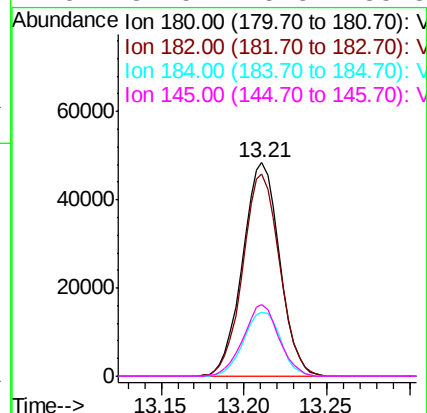
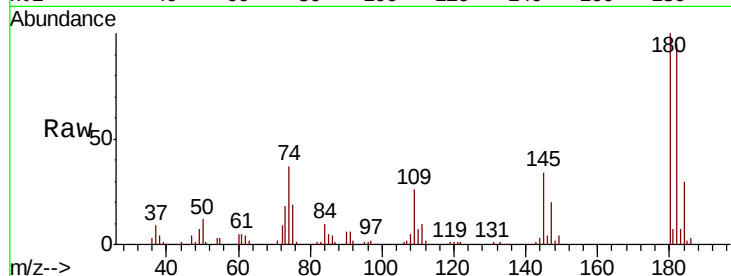




#67
 1,3,5-Trichlorobenzene
 Concen: 4.885 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

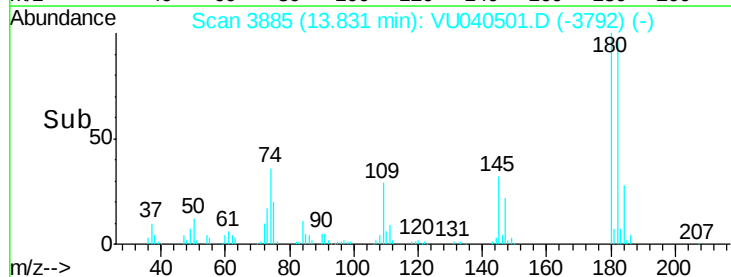
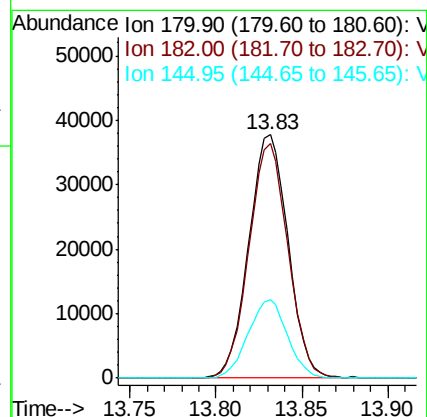
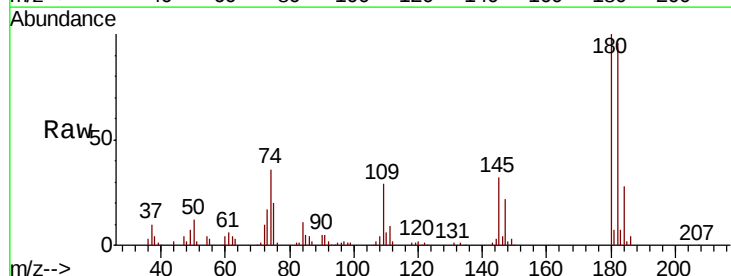
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00512

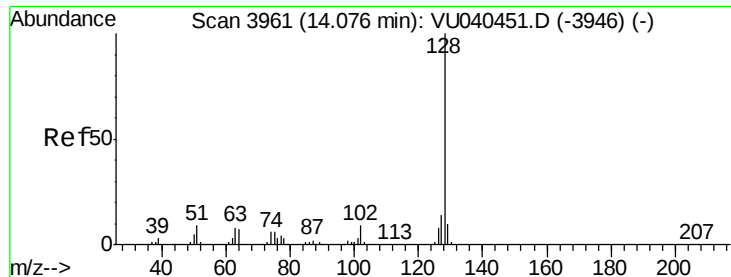
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.5	114.7
184	30.2	24.6	37.0
145	32.5	25.8	38.8



#68
 1,2,4-trichlorobenzene
 Concen: 4.852 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU040501.D
 Acq: 05 Oct 2020 11:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	115.0
145	32.0	26.3	39.5

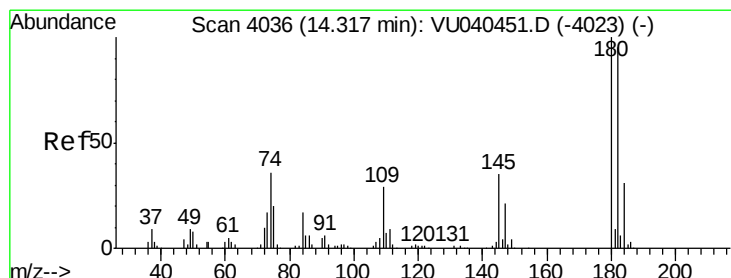
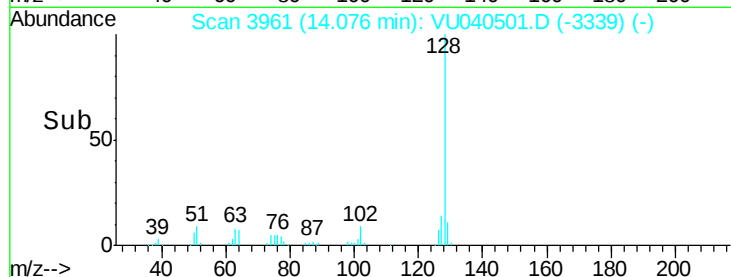
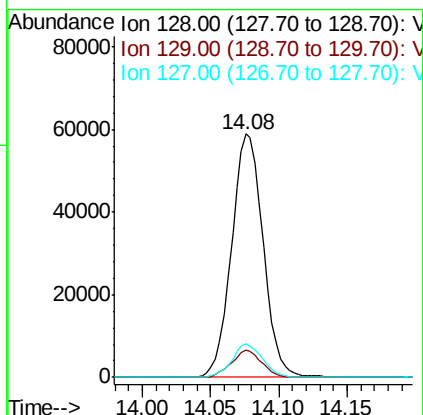
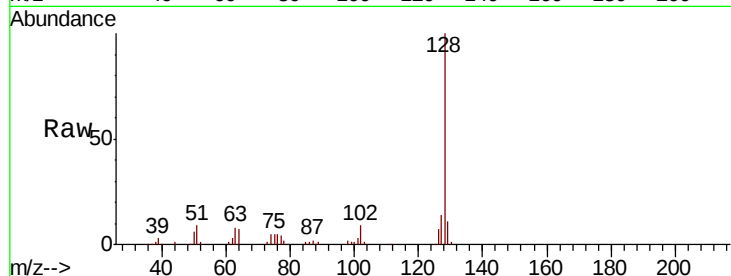




#69
Naphthalene
Concen: 4.488 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTD00512

Tot Ion:128 Resp: 94462
Ion Ratio Lower Upper
128 100
129 10.8 8.2 12.4
127 13.3 10.2 15.4



#70
1,2,3-Trichlorobenzene
Concen: 5.039 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. -0.00 min
Lab File: VU040501.D
Acq: 05 Oct 2020 11:01

Tgt Ion:180 Resp: 56791
Ion Ratio Lower Upper
180 100
182 94.1 76.6 115.0
145 34.5 27.8 41.6

