

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
 Data File : VU040345.D
 Acq On : 28 Sep 2020 20:39
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Quant Time: Sep 29 07:28:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 29 07:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	132281	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	130115	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	67888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39786	5.51	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.20%
7) Chloroethane-d5	1.92	69	34824	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.80%
11) 1,1-Dichloroethene-d2	2.58	63	94749	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	4.65	46	176970	61.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.52%
24) Chloroform-d	5.08	84	89683	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	53138	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.75	84	169755	5.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.80%
36) 1,2-Dichloropropane-d6	6.70	67	56048	5.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.00%
41) Toluene-d8	7.91	98	150773	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
43) trans-1,3-Dichloropropene-	8.19	79	21847	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.64	63	132096	60.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49248	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	57897	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	58143	4.429	ug/L	100
3) Chloromethane	1.53	50	59539	4.737	ug/L	98
5) Vinyl chloride	1.61	62	61447	4.822	ug/L	96
6) Bromomethane	1.87	94	30266	4.647	ug/L	96
8) Chloroethane	1.94	64	37836	4.941	ug/L	99
9) Trichlorofluoromethane	2.15	101	89132	4.883	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	59040	4.990	ug/L	97
12) 1,1-Dichloroethene	2.59	96	51283	5.010	ug/L	95
13) Acetone	2.66	43	138082	51.634	ug/L	94
14) Carbon disulfide	2.81	76	137697	4.195	ug/L	99
15) Methyl Acetate	2.97	43	34949	5.207	ug/L	98
16) Methylene chloride	3.06	84	62657	4.674	ug/L	93
17) Methyl tert-butyl Ether	3.38	73	157842	5.116	ug/L	99
18) trans-1,2-Dichloroethene	3.37	96	54269	4.928	ug/L	97
19) 1,1-Dichloroethane	3.89	63	117772	5.196	ug/L	98
21) 2-Butanone	4.73	43	241853	55.395	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	62963	5.317	ug/L	94

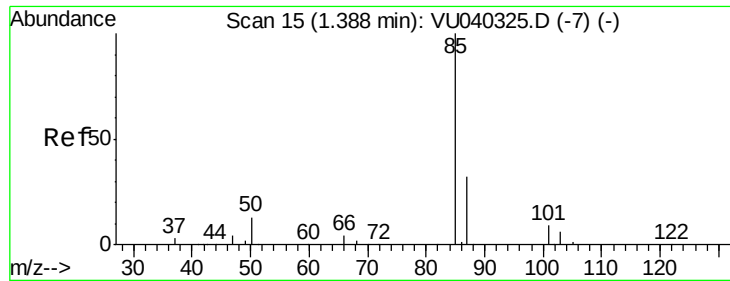
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	28325	5.460	ug/L	99
25) Chloroform	5.11	83	120009	5.170	ug/L	99
27) 1,2-Dichloroethane	5.81	62	82739	4.865	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	99638	4.877	ug/L	99
30) Cyclohexane	5.41	56	94805	4.785	ug/L	98
31) Carbon tetrachloride	5.54	117	83664	4.785	ug/L	100
33) Benzene	5.79	78	244225	5.247	ug/L	100
34) Trichloroethene	6.56	95	61910	4.958	ug/L	96
35) Methylcyclohexane	6.77	83	86925	4.547	ug/L	100
37) 1,2-Dichloropropane	6.80	63	68228	5.413	ug/L	99
38) Bromodichloromethane	7.12	83	86345	5.018	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	93244	5.016	ug/L	96
40) 4-Methyl-2-pentanone	7.80	43	571443	55.258	ug/L	99
42) Toluene	7.98	91	249145	5.197	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	84771	4.922	ug/L	95
45) 1,1,2-Trichloroethane	8.40	97	50105	5.457	ug/L	99
47) Tetrachloroethene	8.56	164	43801	5.340	ug/L	99
48) 2-Hexanone	8.69	43	416038	55.153	ug/L	98
49) Dibromochloromethane	8.81	129	57651	5.231	ug/L	98
50) 1,2-Dibromoethane	8.93	107	45079	5.092	ug/L #	93
51) Chlorobenzene	9.45	112	161236	5.418	ug/L	97
52) Ethylbenzene	9.57	91	277891	5.102	ug/L	100
53) m,p-Xylene	9.69	106	104079	5.367	ug/L	97
54) o-Xylene	10.10	106	99231	5.370	ug/L	97
55) Styrene	10.11	104	178925	5.568	ug/L	95
56) Isopropylbenzene	10.48	105	275482	5.466	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	65143	5.533	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	49023	5.250	ug/L	99
61) Bromoform	10.29	173	32293	5.186	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	132258	5.330	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	133431	5.314	ug/L	96
65) 1,2-Dichlorobenzene	12.20	146	126328	5.262	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	10783	4.199	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	89838	5.149	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	75667	5.035	ug/L	97
69) Naphthalene	14.08	128	139683	4.459	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	72480	5.251	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 4.429 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

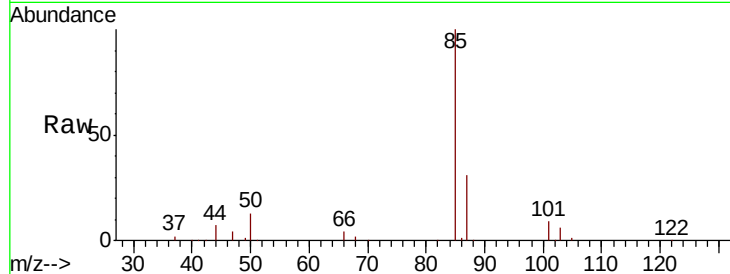
VSTD00523

Tot Ion: 85 Resp: 58143

Ion Ratio Lower Upper

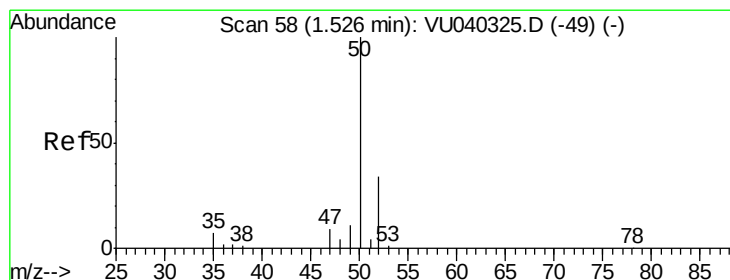
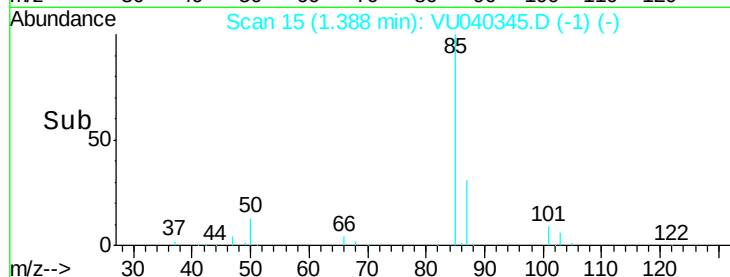
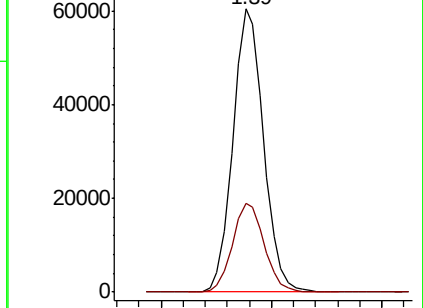
85 100

87 32.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU040325.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040325.D (-7) (-)



#3

Chloromethane

Concen: 4.737 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040345.D

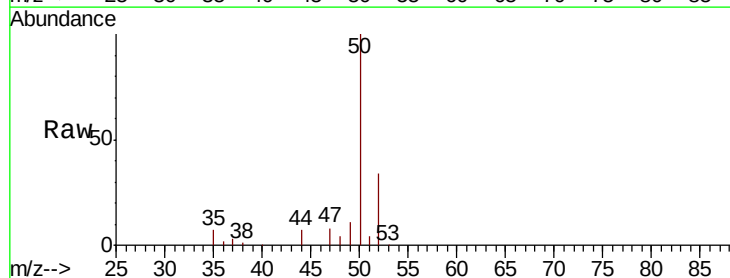
Acq: 28 Sep 2020 20:39

Tgt Ion: 50 Resp: 59539

Ion Ratio Lower Upper

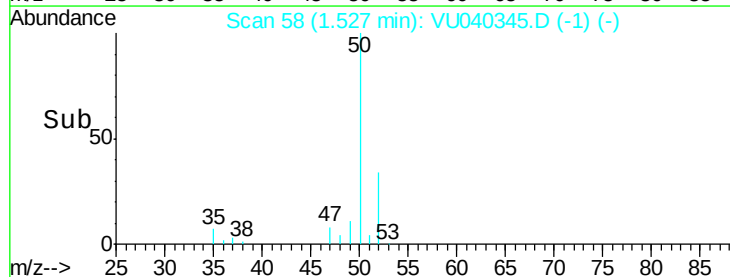
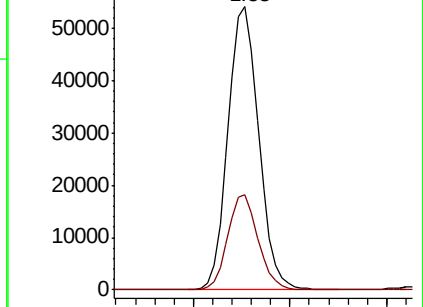
50 100

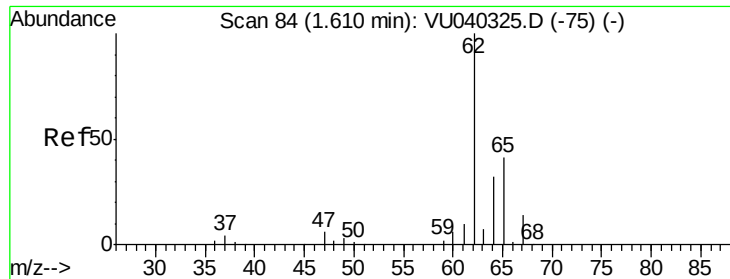
52 33.7 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040325.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040325.D (-49) (-)





#5

Vinyl chloride

Concen: 4.822 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

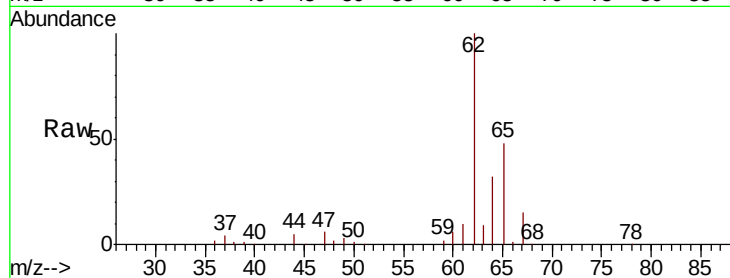
VSTD00523

Tot Ion: 62 Resp: 61447

Ion Ratio Lower Upper

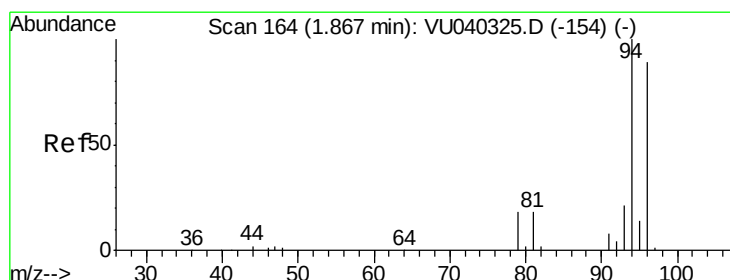
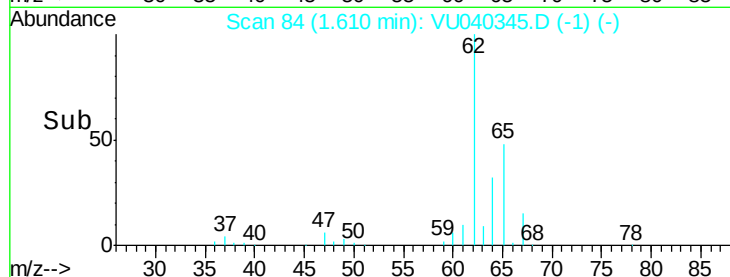
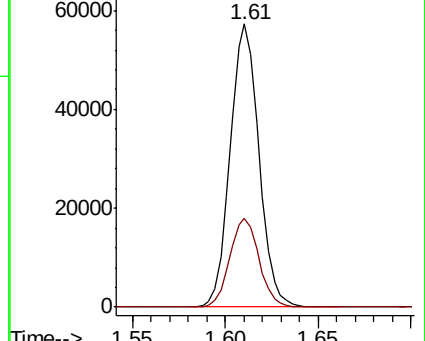
62 100

64 31.5 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 4.647 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU040345.D

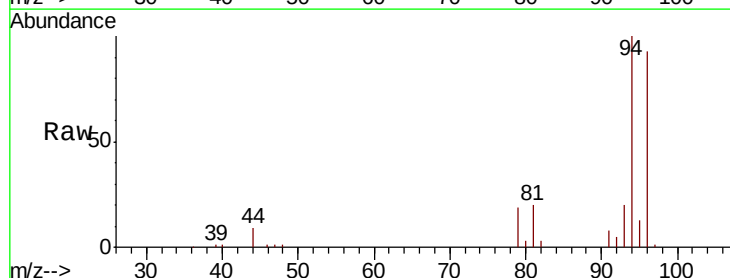
Acq: 28 Sep 2020 20:39

Tgt Ion: 94 Resp: 30266

Ion Ratio Lower Upper

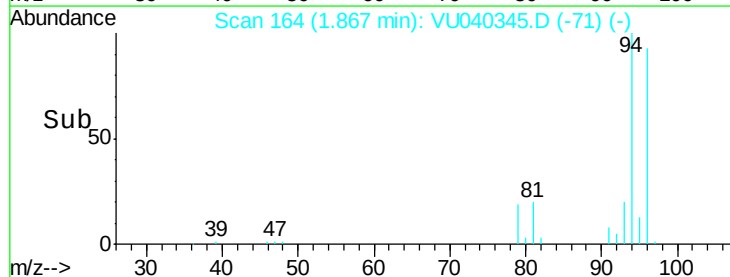
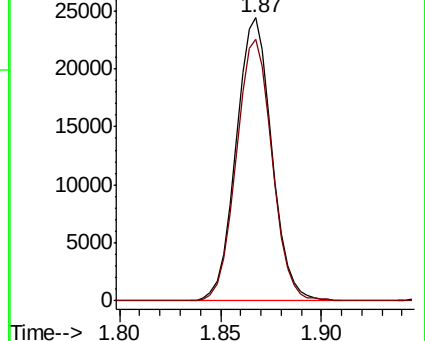
94 100

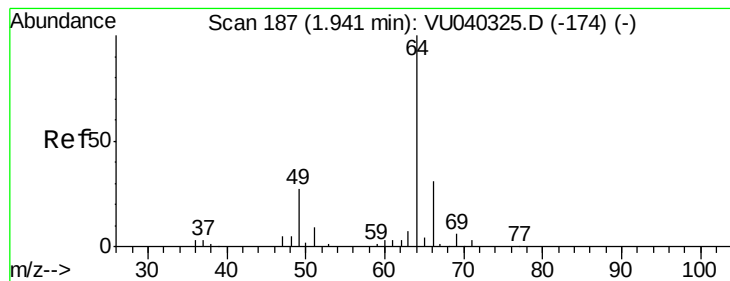
96 92.6 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 4.941 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

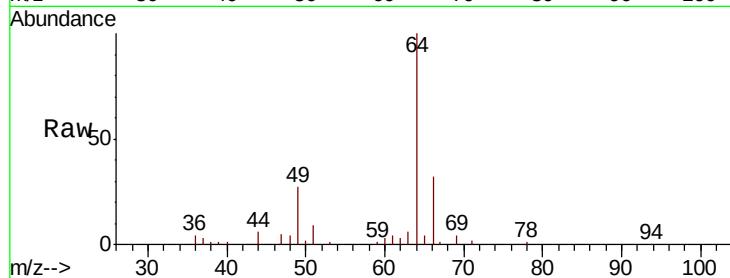
VSTD00523

Tot Ion: 64 Resp: 37836

Ion Ratio Lower Upper

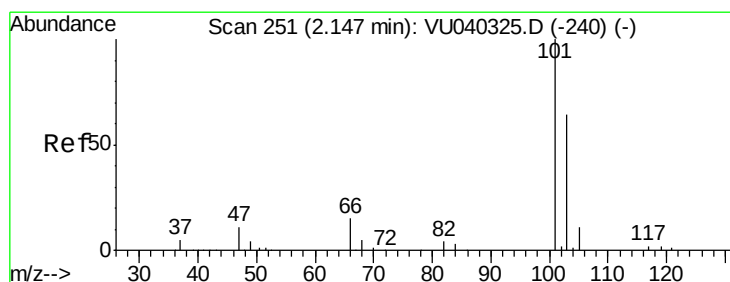
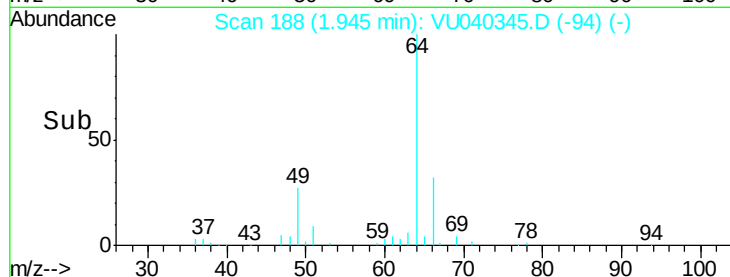
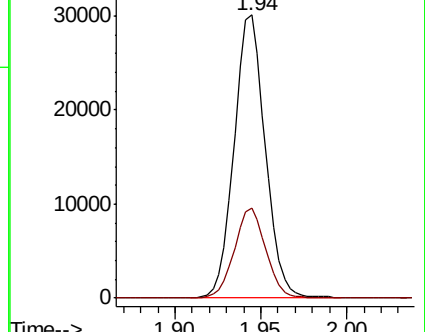
64 100

66 31.8 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VU040345.D (-174) (-)

Ion 66.05 (65.75 to 66.75): VU040345.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 4.883 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU040345.D

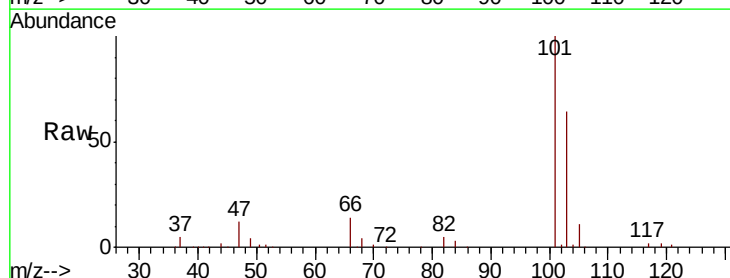
Acq: 28 Sep 2020 20:39

Tgt Ion: 101 Resp: 89132

Ion Ratio Lower Upper

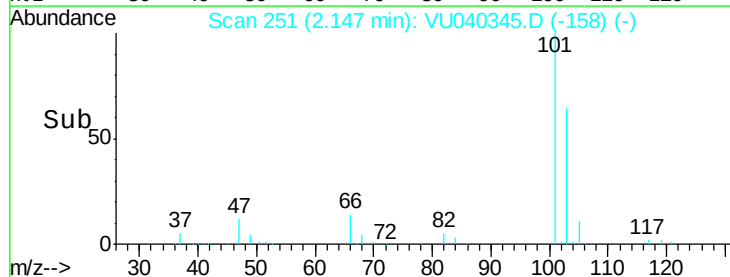
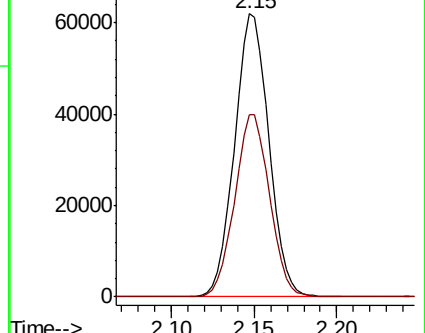
101 100

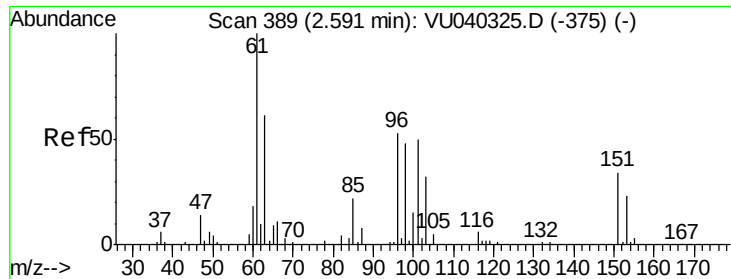
103 65.3 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040325.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU040325.D (-240) (-)





#10

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

Concen: 4.990 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

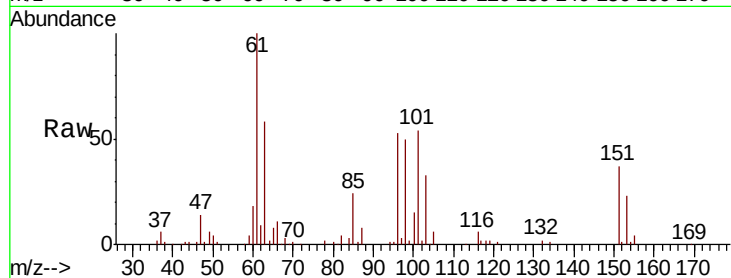
Tot Ion:101 Resp: 59040

Ion Ratio Lower Upper

101 100

85 44.8 37.7 56.5

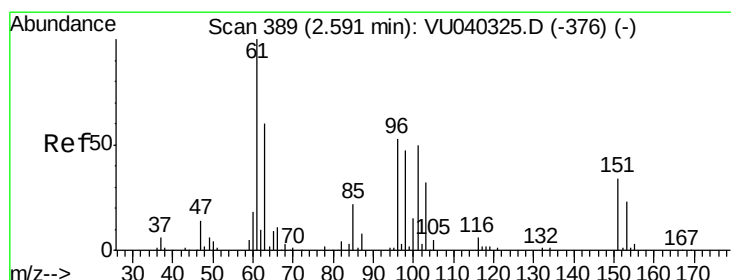
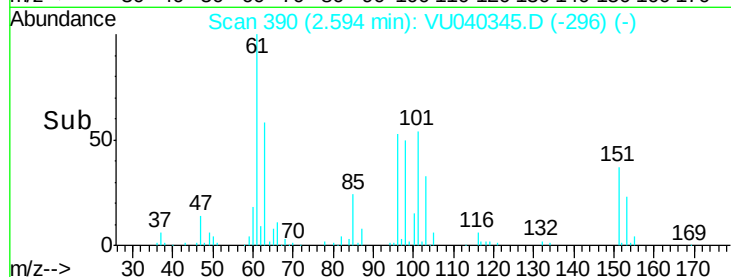
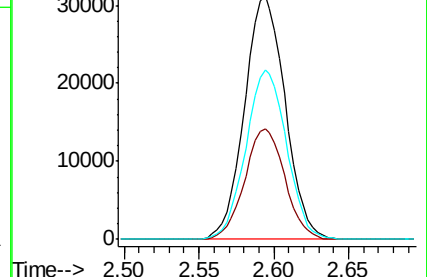
151 69.7 53.9 80.9



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: 5.010 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

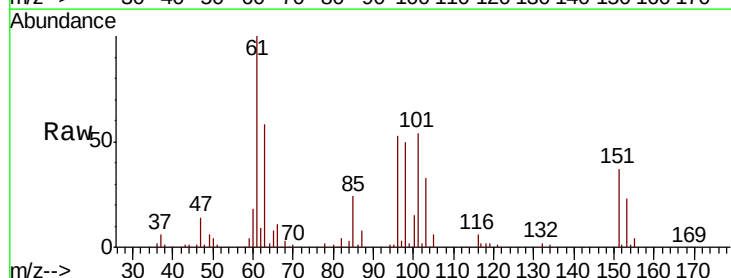
Tgt Ion: 96 Resp: 51283

Ion Ratio Lower Upper

96 100

61 188.4 138.3 256.8

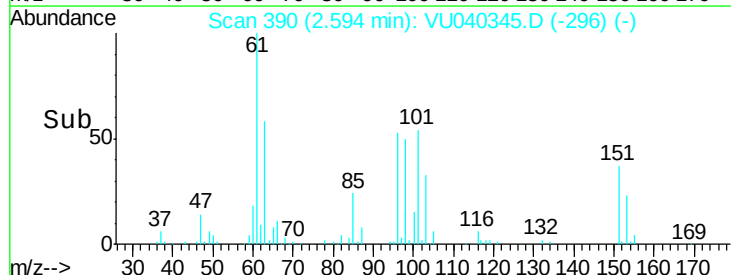
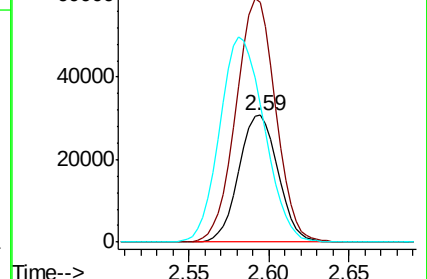
63 108.5 77.6 144.2

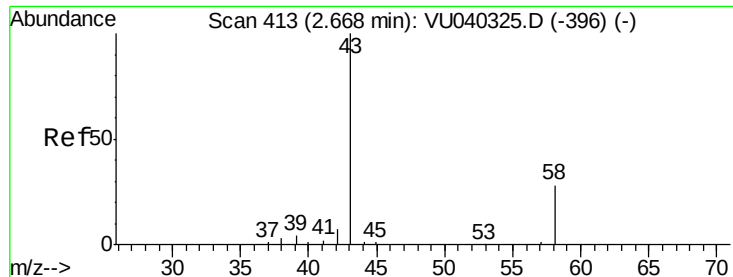


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 51.634 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

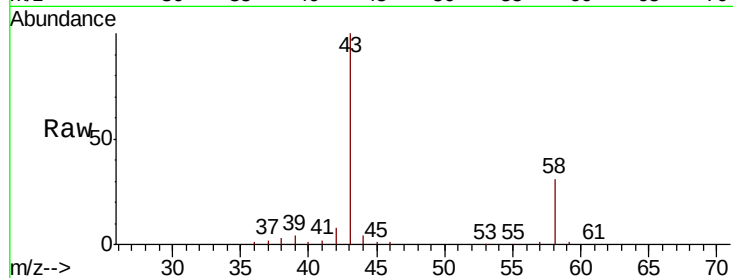
VSTD00523

Tot Ion: 43 Resp: 138082

Ion Ratio Lower Upper

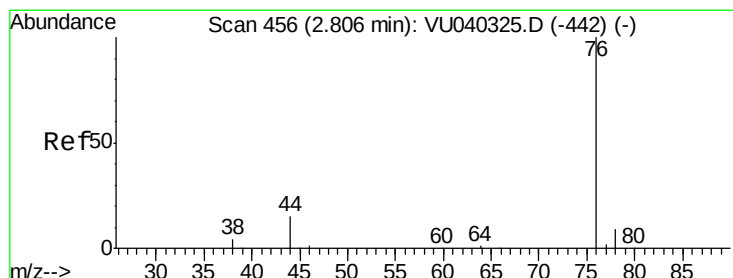
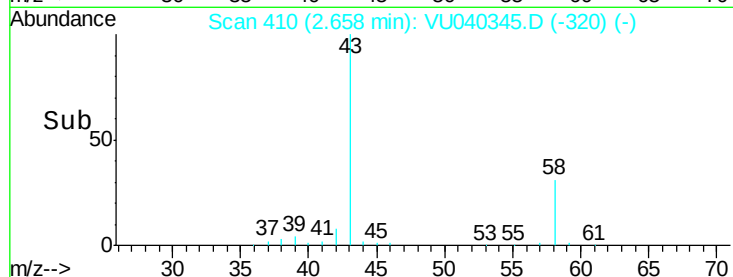
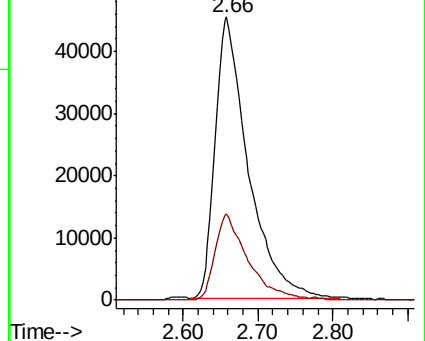
43 100

58 30.6 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#14

Carbon disulfide

Concen: 4.195 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040345.D

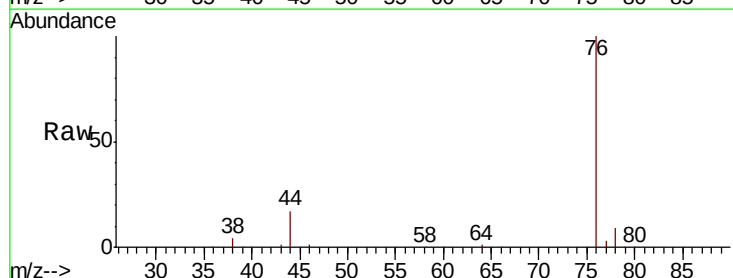
Acq: 28 Sep 2020 20:39

Tgt Ion: 76 Resp: 137697

Ion Ratio Lower Upper

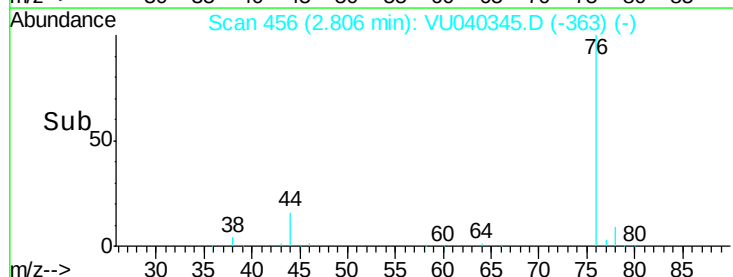
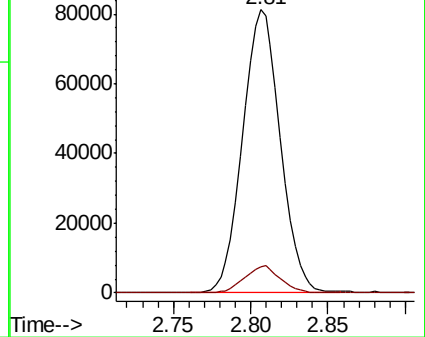
76 100

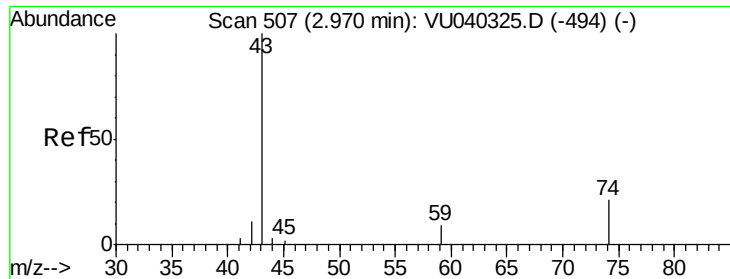
78 9.4 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

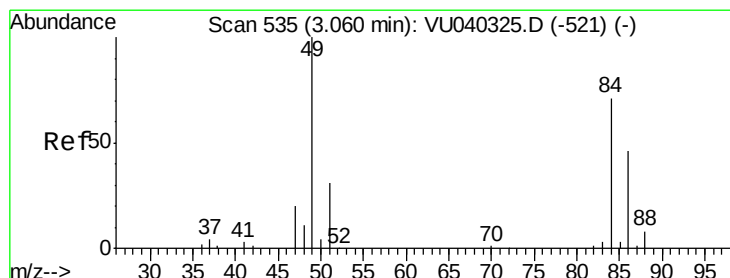
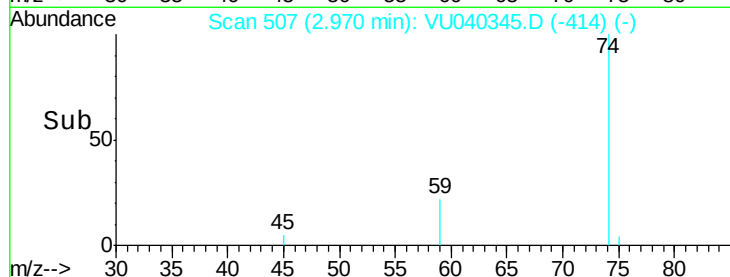
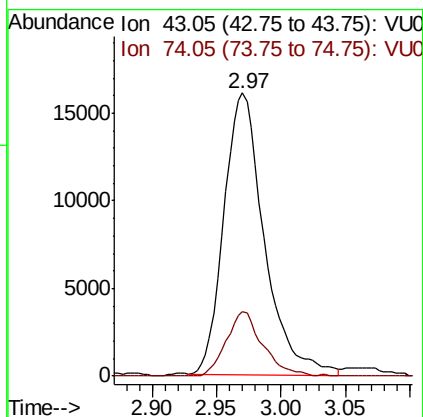
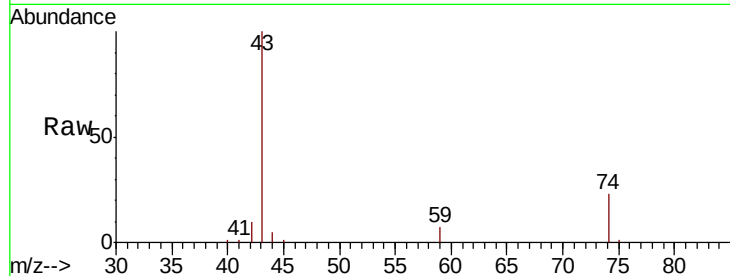




#15
Methvl Acetate
Concen: 5.207 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

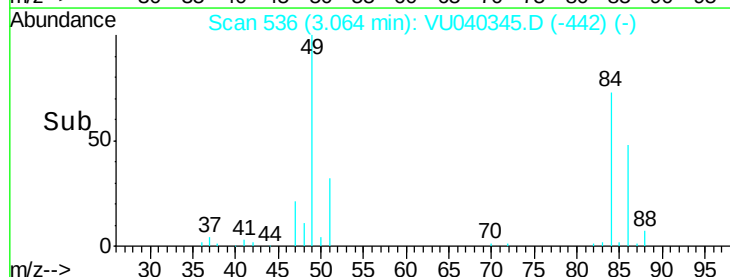
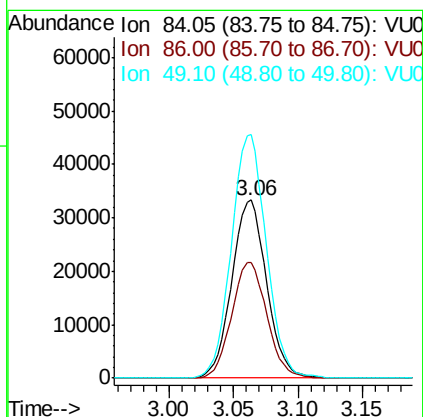
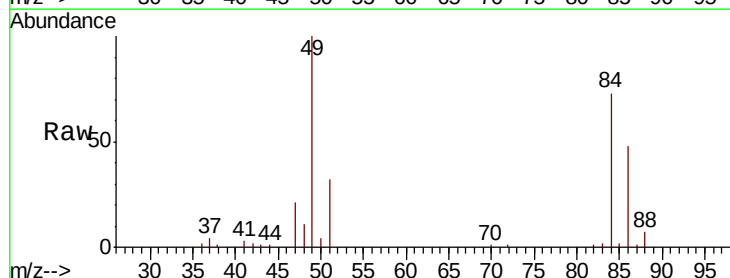
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

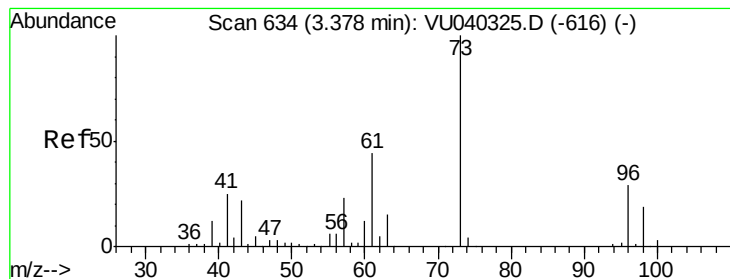
Tot Ion: 43 Resp: 34949
Ion Ratio Lower Upper
43 100
74 20.6 17.4 26.0



#16
Methylene chloride
Concen: 4.674 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Tgt Ion: 84 Resp: 62657
Ion Ratio Lower Upper
84 100
86 65.0 45.2 84.0
49 136.7 104.0 193.2





#17

Methyl tert-butyl Ether

Concen: 5.116 ug/L

RT: 3.38 min Scan# 635

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

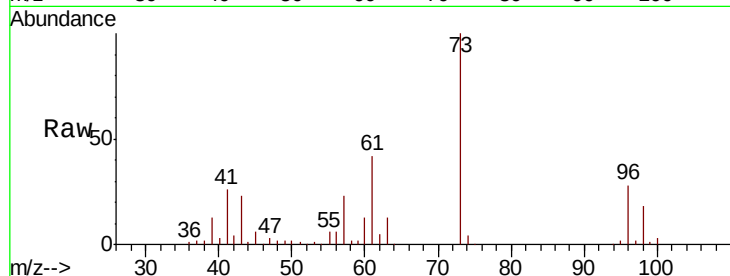
Tot Ion: 73 Resp: 157842

Ion Ratio Lower Upper

73 100

43 23.1 19.1 28.7

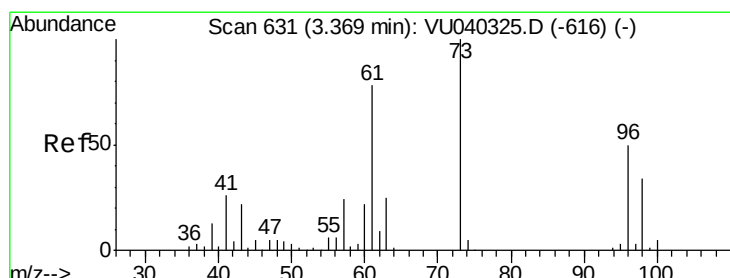
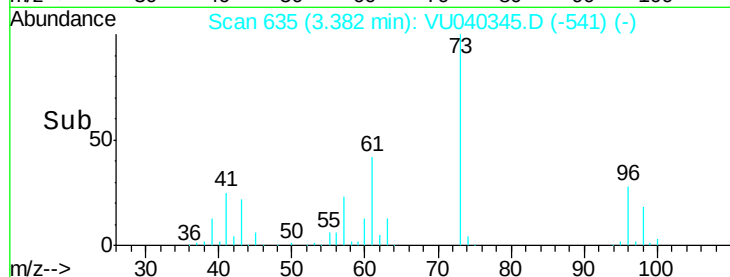
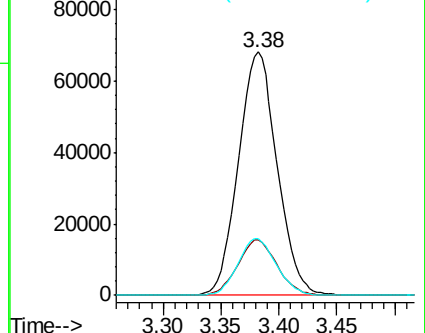
57 23.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VU040345.D (-541) (-)

Ion 43.05 (42.75 to 43.75): VU040345.D (-541) (-)

Ion 57.10 (56.80 to 57.80): VU040345.D (-541) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.928 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

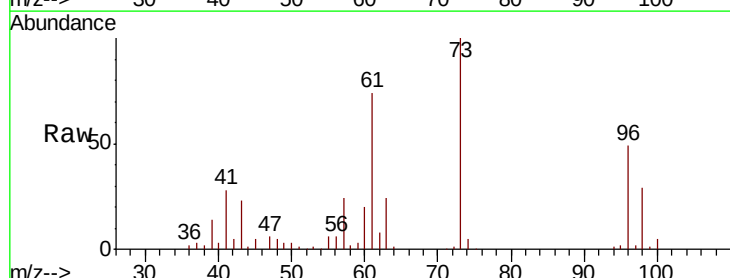
Tgt Ion: 96 Resp: 54269

Ion Ratio Lower Upper

96 100

61 152.6 110.5 205.3

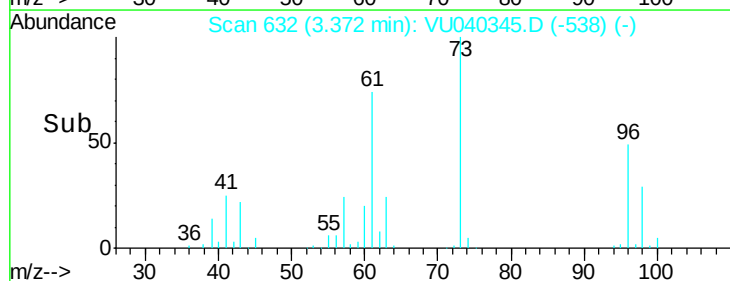
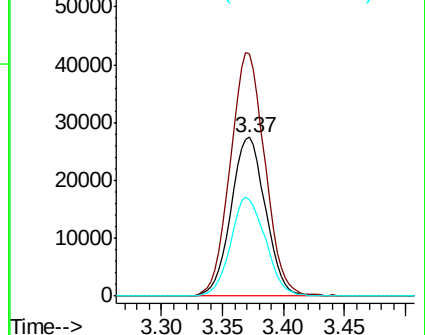
98 60.4 43.2 80.2

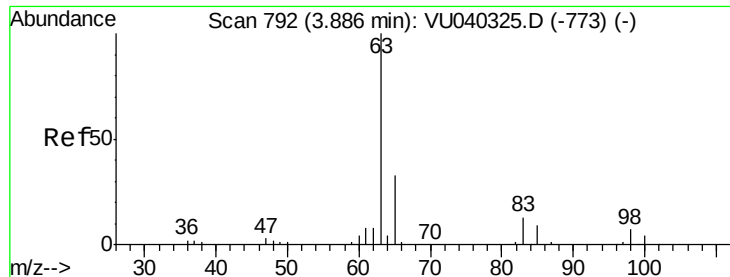


Abundance Ion 96.00 (95.70 to 96.70): VU040345.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040345.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040345.D (-538) (-)

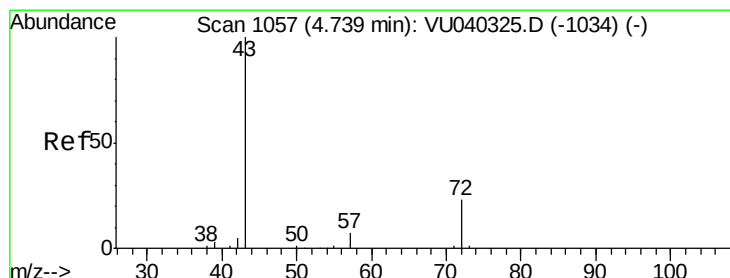
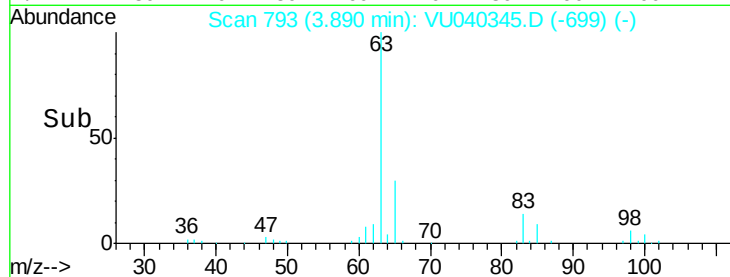
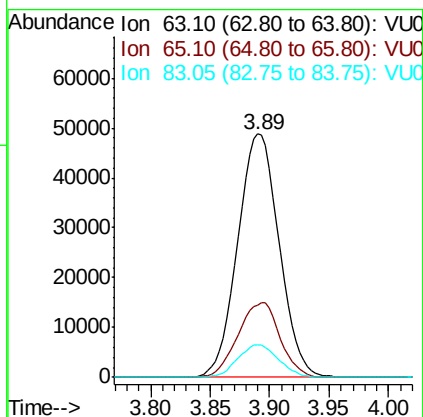
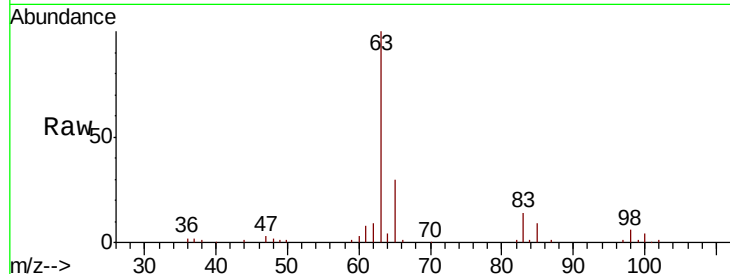




#19
 1,1-Dichloroethane
 Concen: 5.196 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

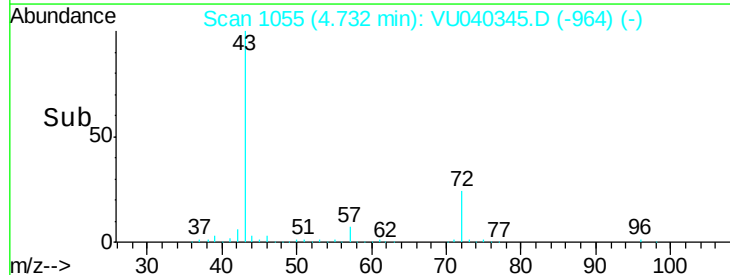
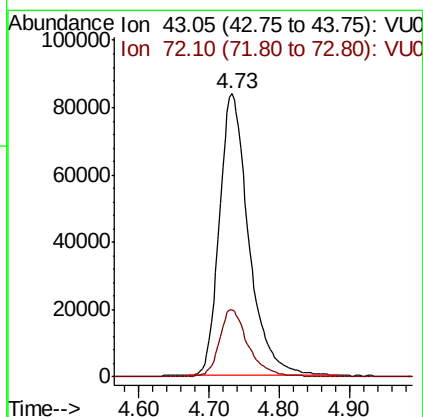
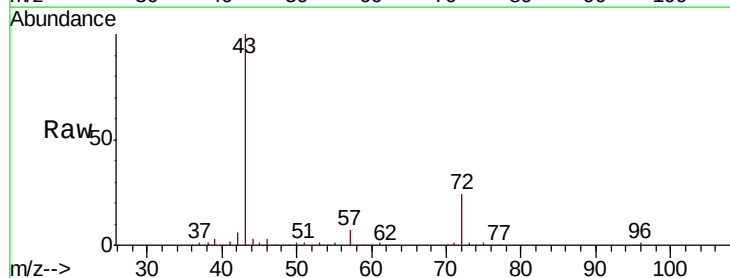
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

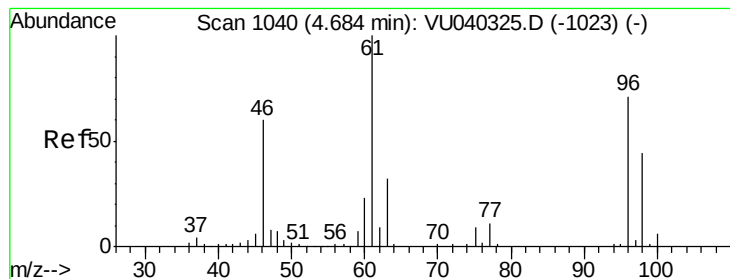
Tot Ion: 63 Resp: 117772
 Ion Ratio Lower Upper
 63 100
 65 29.8 22.2 41.2
 83 13.5 9.4 17.6



#21
 2-Butanone
 Concen: 55.395 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion: 43 Resp: 241853
 Ion Ratio Lower Upper
 43 100
 72 23.8 11.7 35.0





#22

cis-1,2-Dichloroethene

Concen: 5.317 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

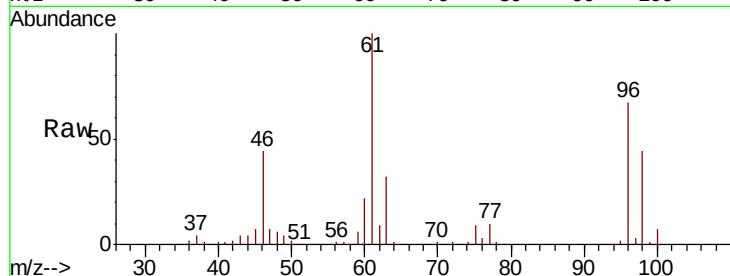
Tot Ion: 96 Resp: 62963

Ion Ratio Lower Upper

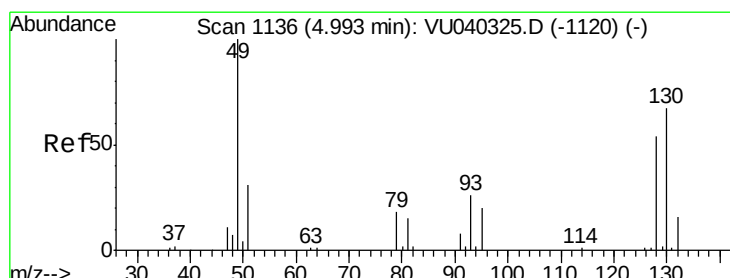
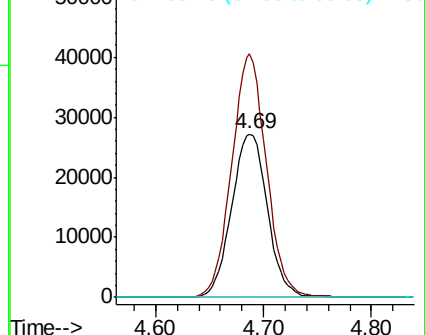
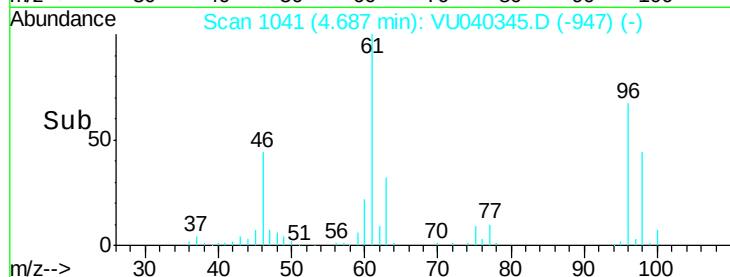
96 100

61 149.0 98.8 183.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU040345.D (-947) (-)



#23

Bromochloromethane

Concen: 5.460 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Tgt Ion: 128 Resp: 28325

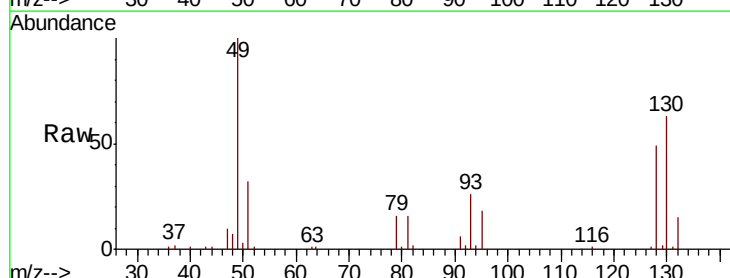
Ion Ratio Lower Upper

128 100

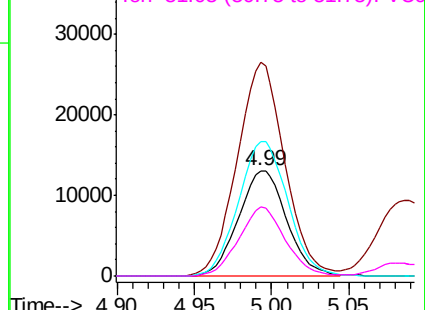
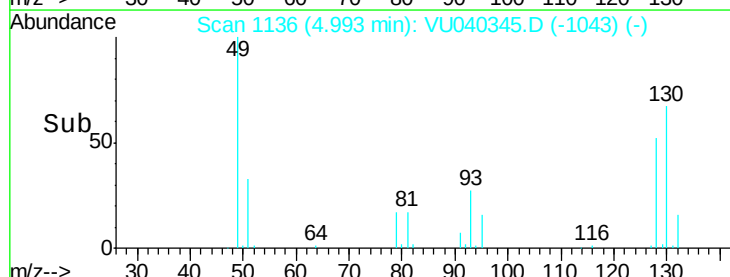
49 203.2 143.4 266.4

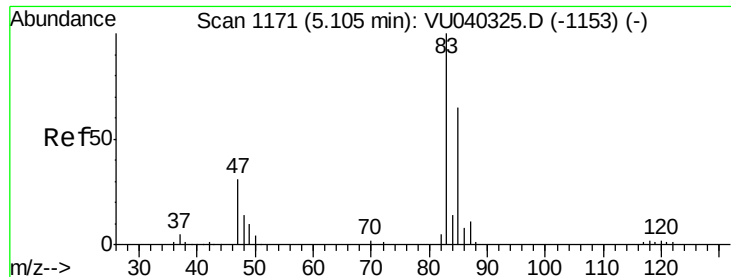
130 128.1 89.5 166.3

51 65.6 51.0 76.4



Abundance Ion 127.90 (127.60 to 128.60): VU040345.D (-1043) (-)

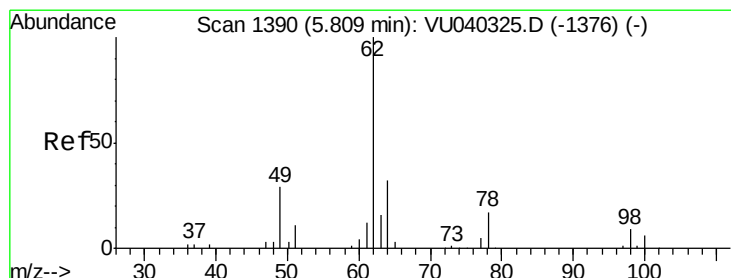
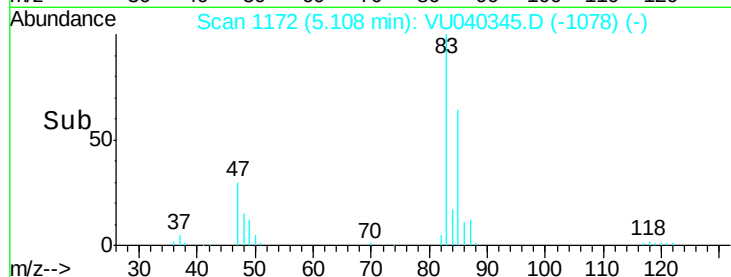
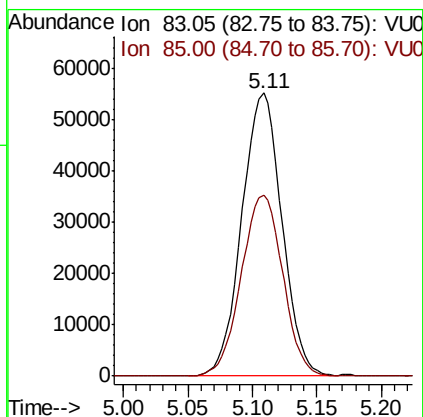
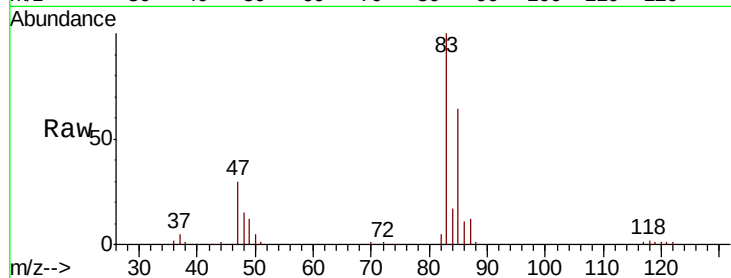




#25
Chloroform
Concen: 5.170 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

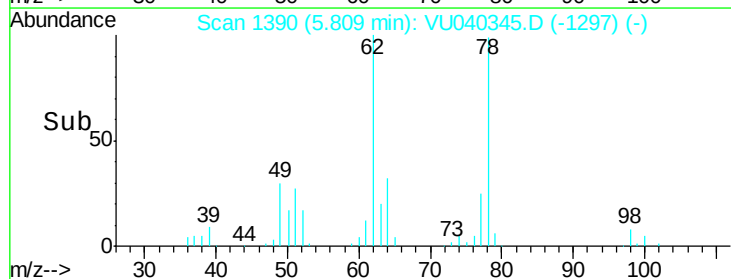
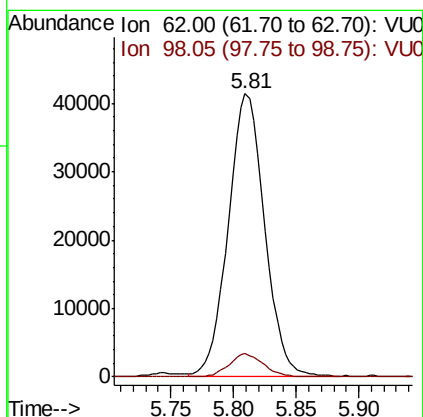
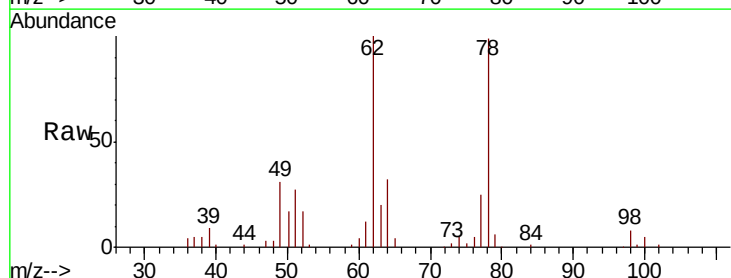
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

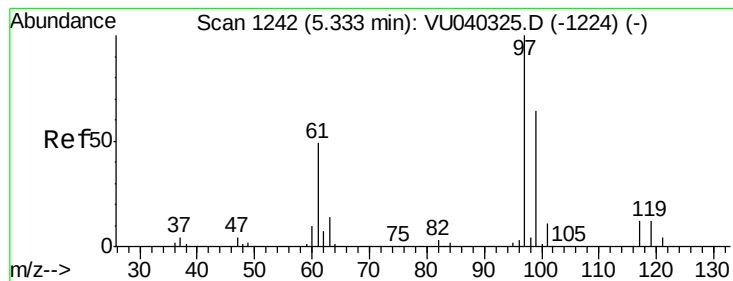
Tot Ion: 83 Resp: 120009
Ion Ratio Lower Upper
83 100
85 63.8 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.865 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Tgt Ion: 62 Resp: 82739
Ion Ratio Lower Upper
62 100
98 8.1 6.1 9.1





#29

1,1,1-Trichloroethane

Concen: 4.877 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

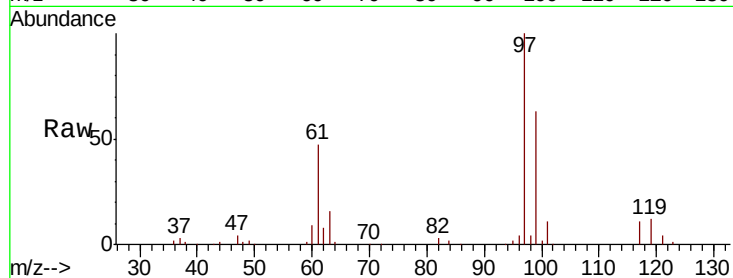
Tot Ion: 97 Resp: 99638

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

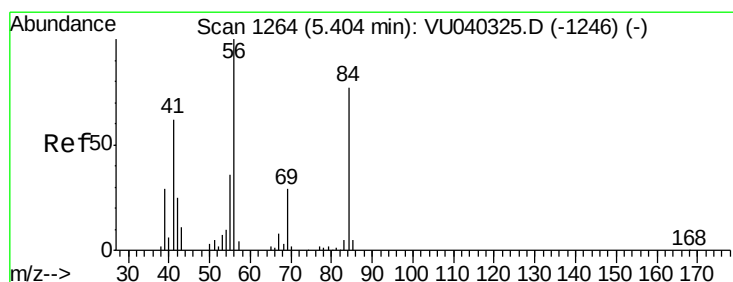
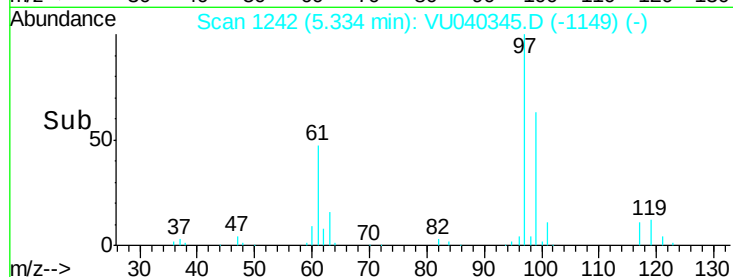
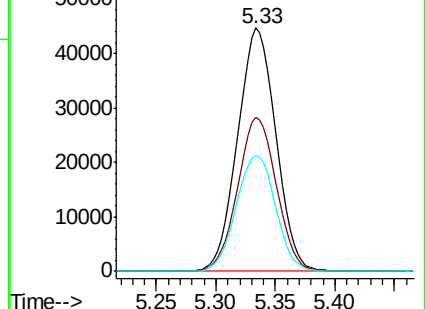
61 48.9 39.5 59.3



Abundance Ion 96.95 (96.65 to 97.65): VU040345.D (-1149) (-)

Ion 99.05 (98.75 to 99.75): VU040345.D (-1149) (-)

Ion 61.05 (60.75 to 61.75): VU040345.D (-1149) (-)



#30

Cyclohexane

Concen: 4.785 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

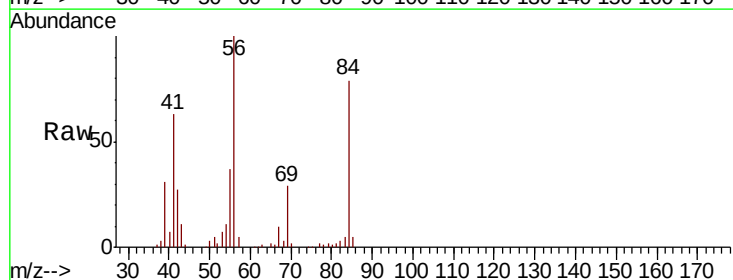
Tgt Ion: 56 Resp: 94805

Ion Ratio Lower Upper

56 100

69 29.3 24.1 36.1

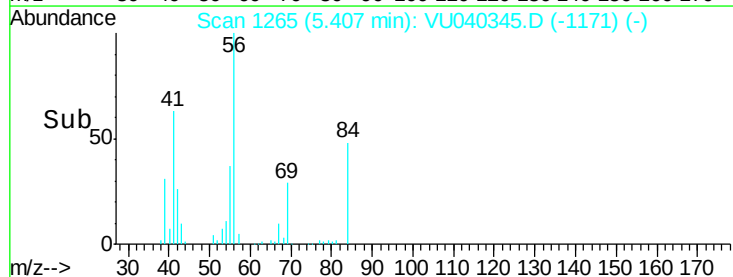
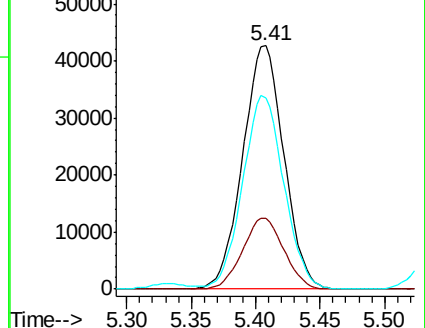
84 79.7 65.0 97.4

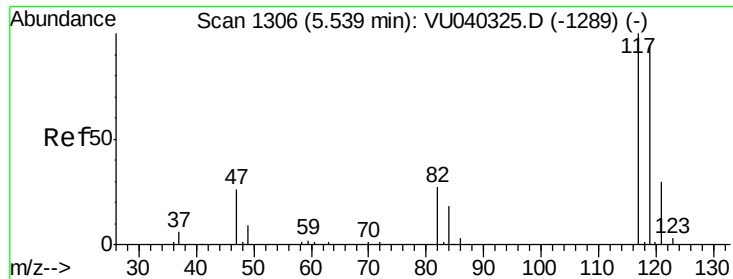


Abundance Ion 56.10 (55.80 to 56.80): VU040345.D (-1171) (-)

Ion 69.15 (68.85 to 69.85): VU040345.D (-1171) (-)

Ion 84.15 (83.85 to 84.85): VU040345.D (-1171) (-)

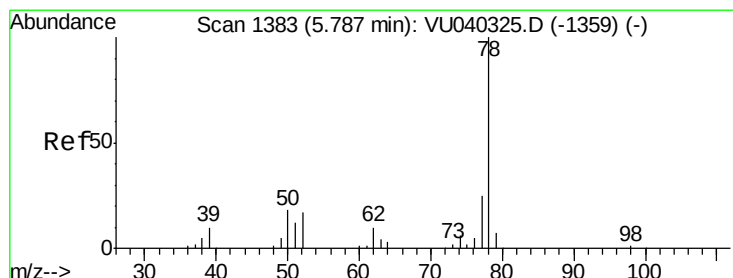
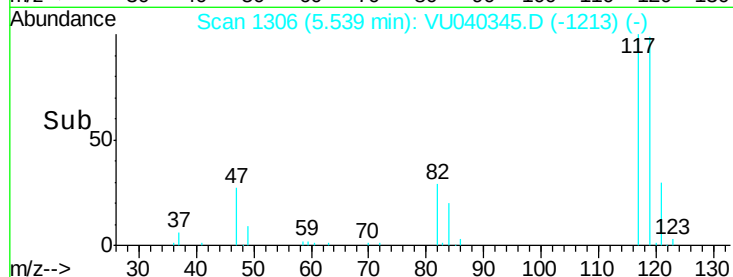
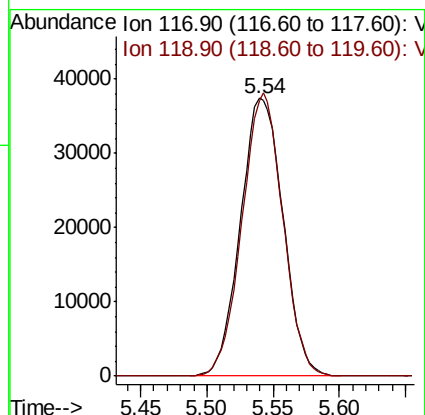
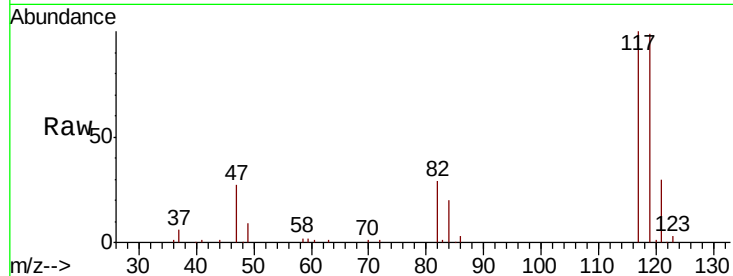




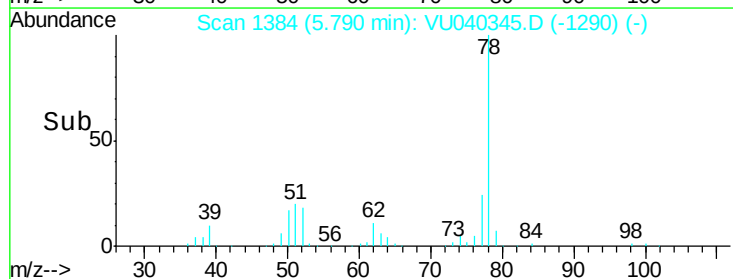
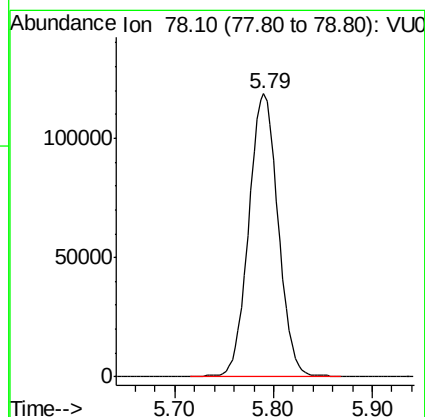
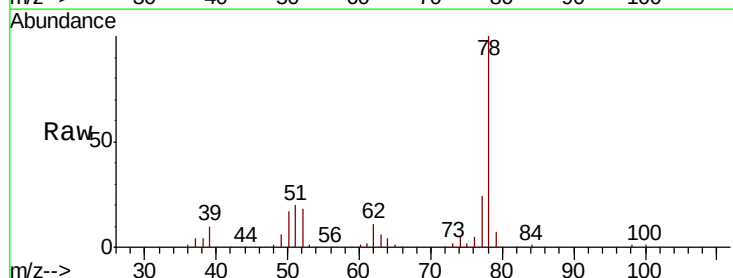
#31
Carbon tetrachloride
Concen: 4.785 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

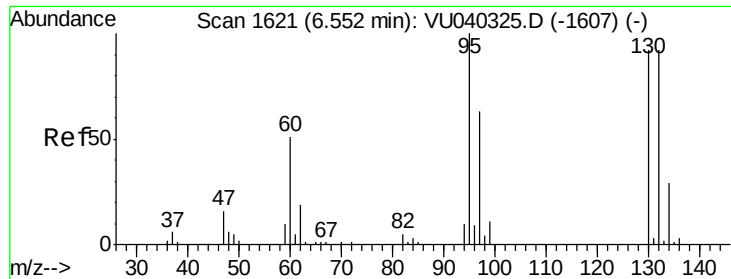
Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:117 Resp: 83664
Ion Ratio Lower Upper
117 100
119 97.4 77.7 116.5



#33
Benzene
Concen: 5.247 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39
Tgt Ion: 78 Resp: 244225





#34

Trichloroethene

Concen: 4.958 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

Tot Ion: 95 Resp: 61910

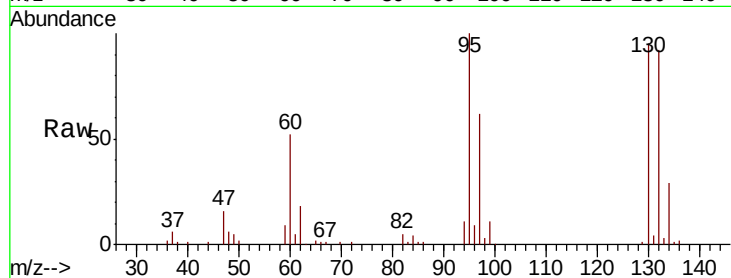
Ion Ratio Lower Upper

95 100

97 62.3 43.3 80.5

132 91.7 59.4 110.4

130 94.9 64.8 120.4

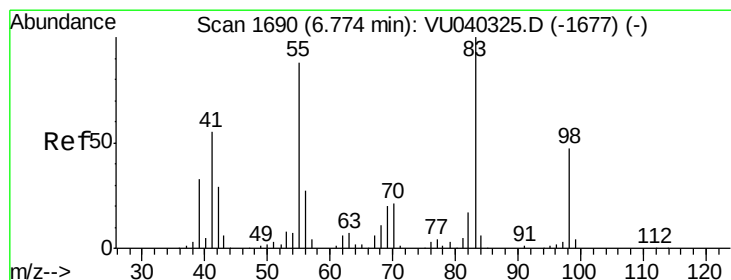
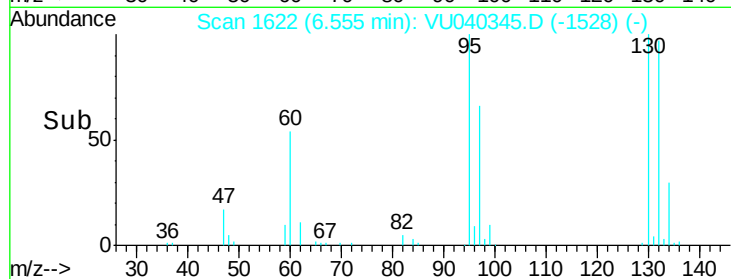
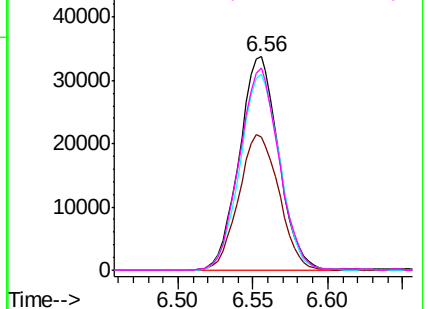


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 4.547 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

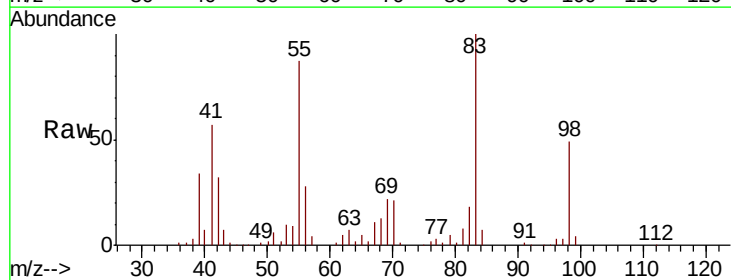
Tgt Ion: 83 Resp: 86925

Ion Ratio Lower Upper

83 100

55 88.5 70.5 105.7

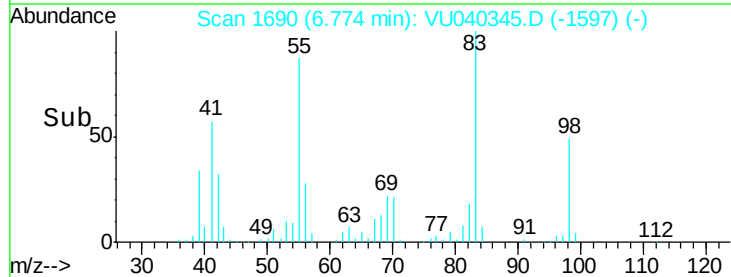
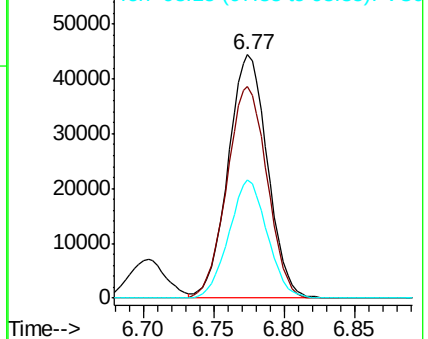
98 47.2 37.8 56.6

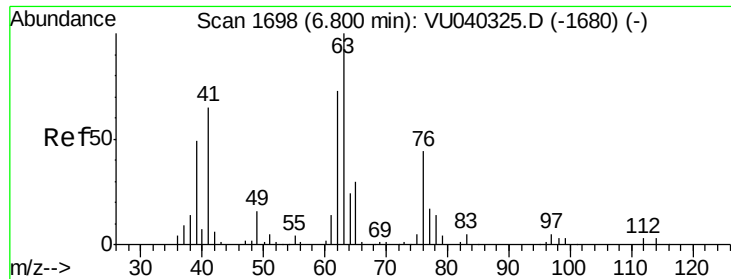


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

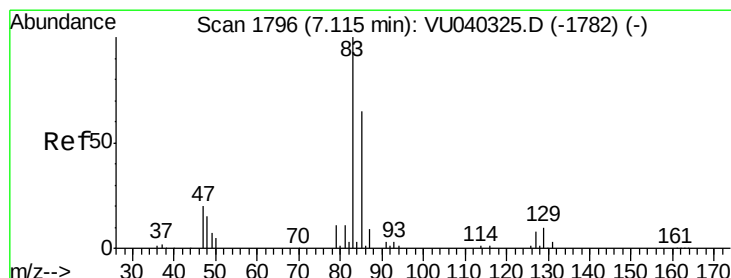
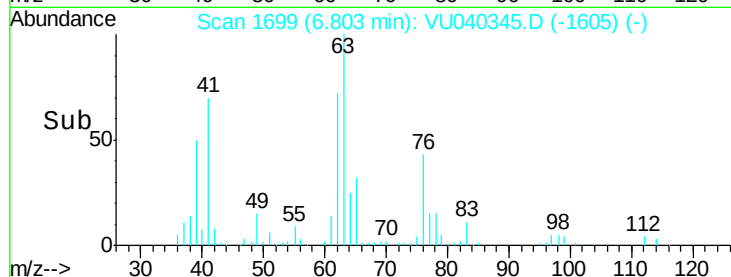
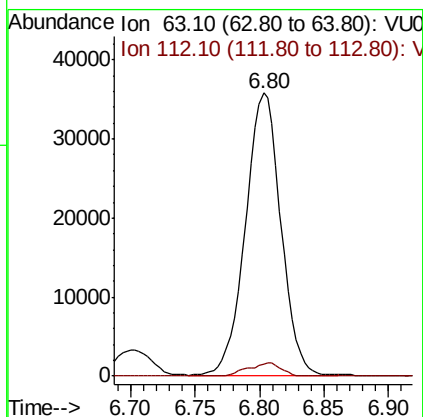
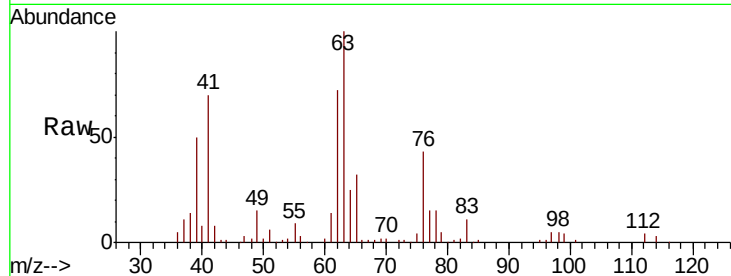




#37
 1,2-Dichloropropane
 Concen: 5.413 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

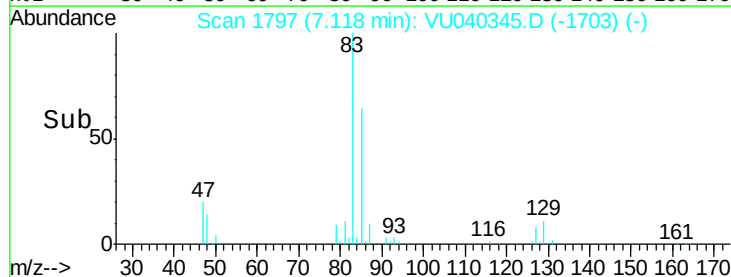
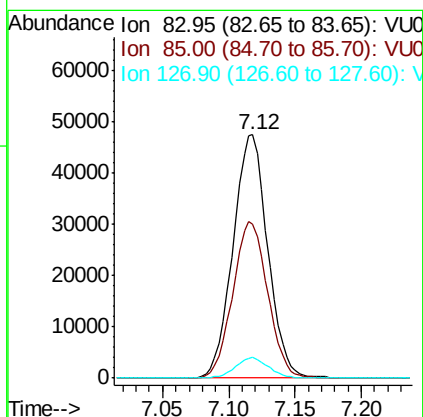
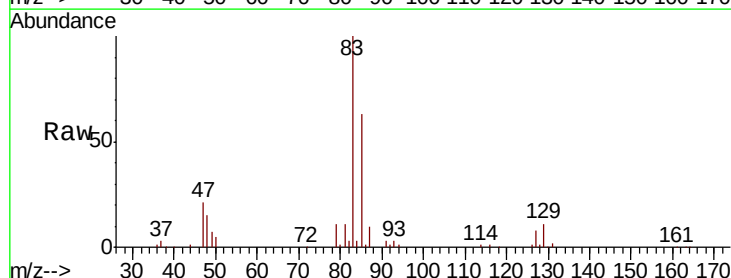
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

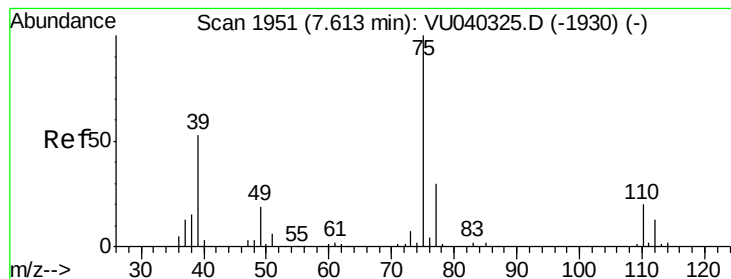
Tot Ion: 63 Resp: 68228
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.018 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion: 83 Resp: 86345
 Ion Ratio Lower Upper
 83 100
 85 63.4 45.1 83.9
 127 8.4 6.7 10.1



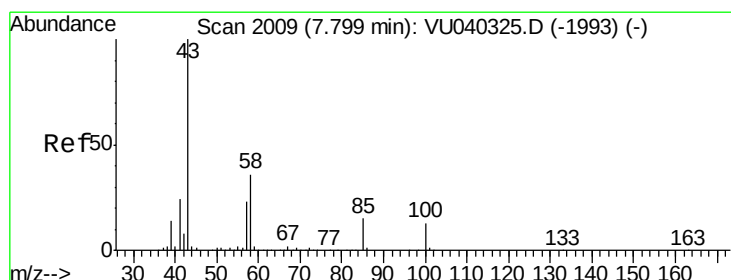
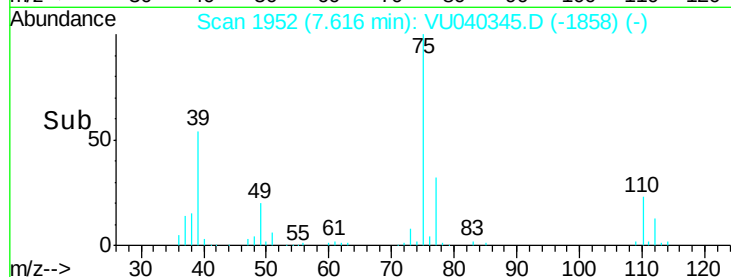
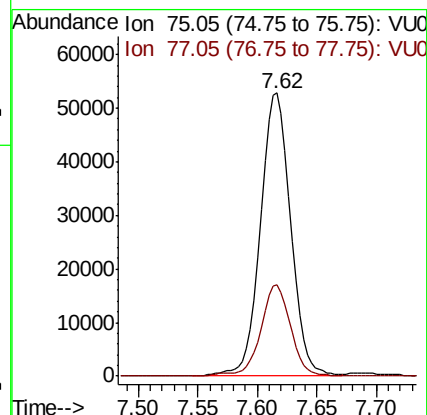
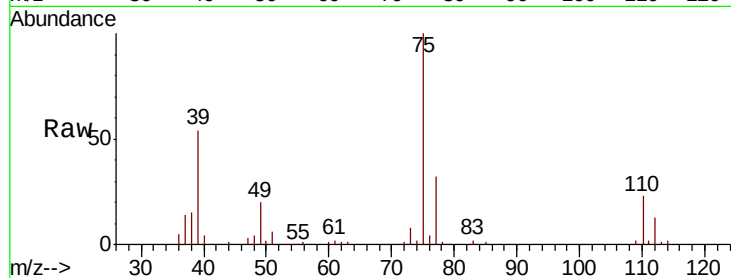


#39

cis-1,3-Dichloropropene
 Concen: 5.016 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

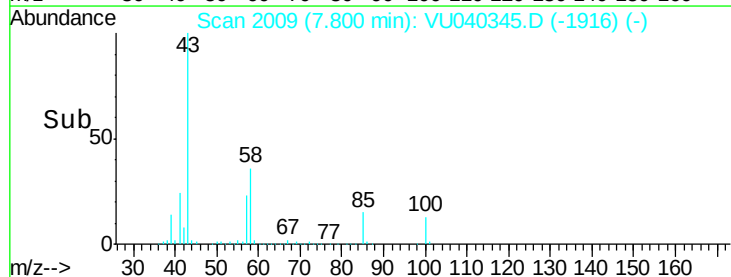
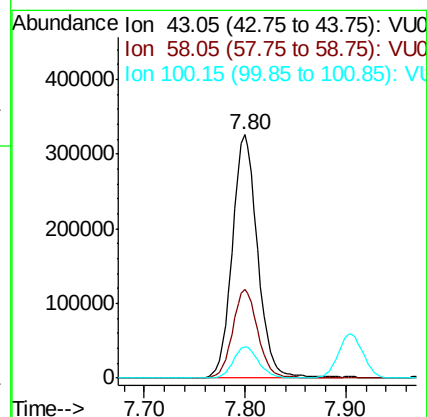
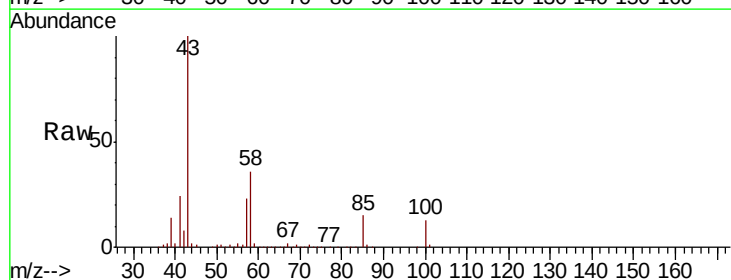
Tot Ion: 75 Resp: 93244
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.1 39.3

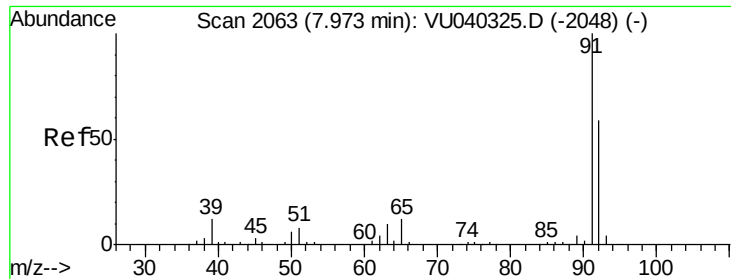


#40

4-Methyl-2-pentanone
 Concen: 55.258 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion: 43 Resp: 571443
 Ion Ratio Lower Upper
 43 100
 58 36.3 28.7 43.1
 100 12.9 10.2 15.2





#42

Toluene

Concen: 5.197 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

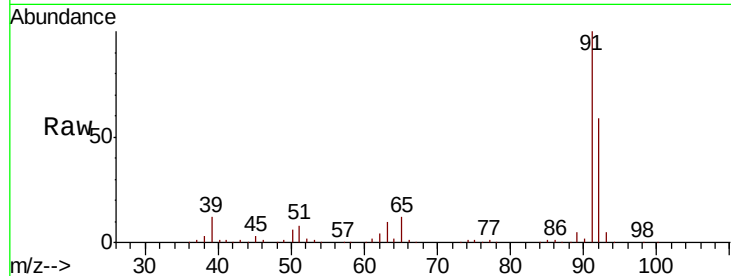
VSTD00523

Tot Ion: 91 Resp: 249145

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VU040325.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040325.D (-2048) (-)

7.98

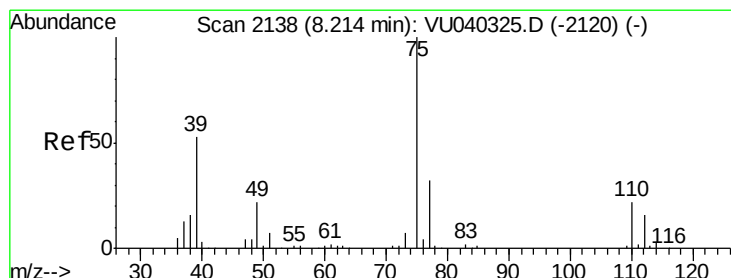
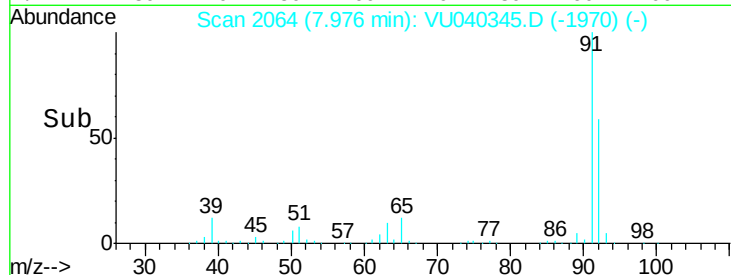
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.922 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040345.D

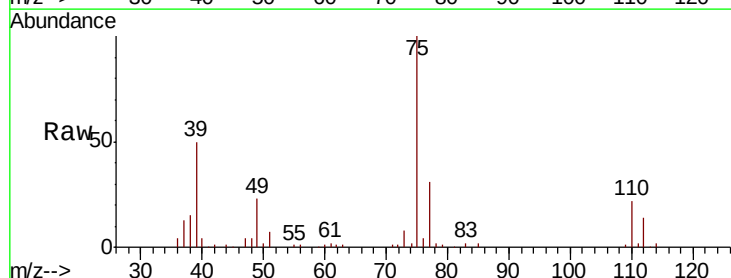
Acq: 28 Sep 2020 20:39

Tgt Ion: 75 Resp: 84771

Ion Ratio Lower Upper

75 100

77 31.2 23.9 44.3



Abundance Ion 75.05 (74.75 to 75.75): VU040325.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040325.D (-2120) (-)

8.22

60000

50000

40000

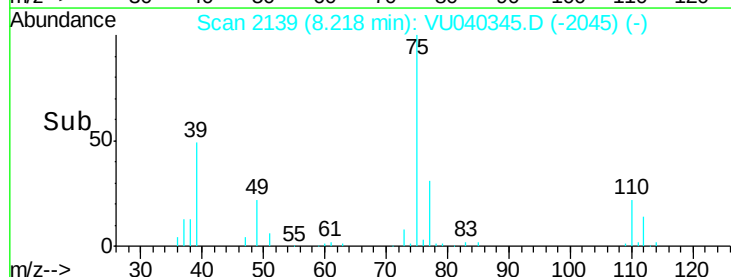
30000

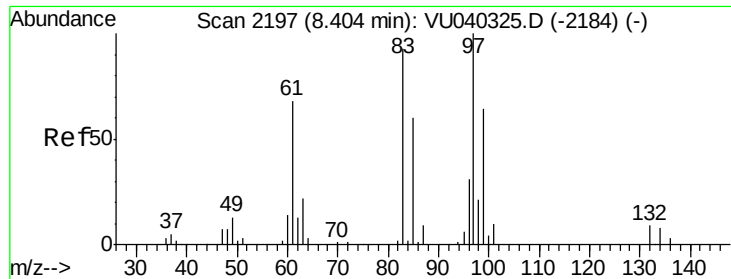
20000

10000

0

Time-->

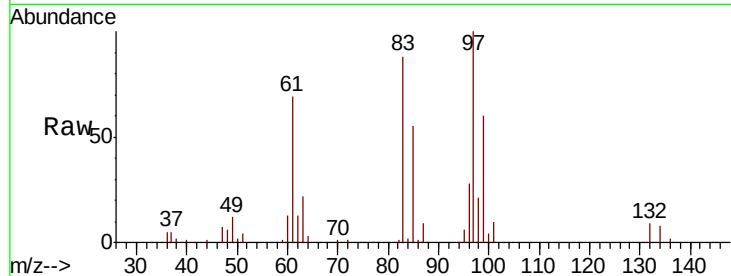




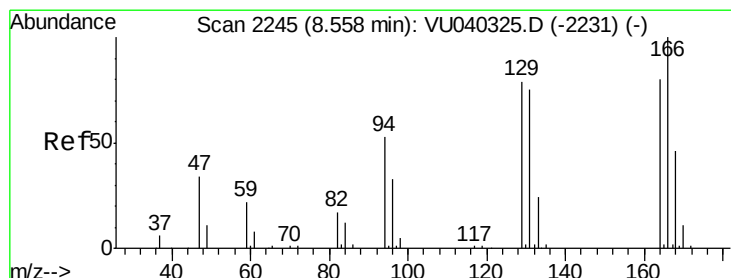
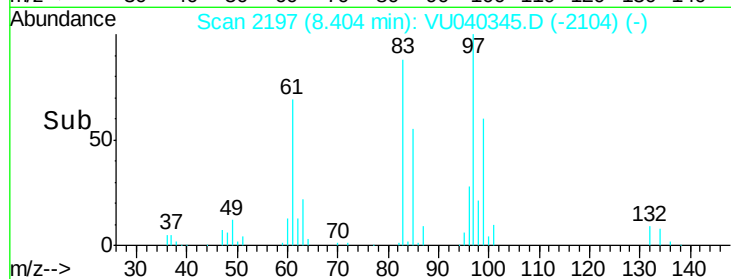
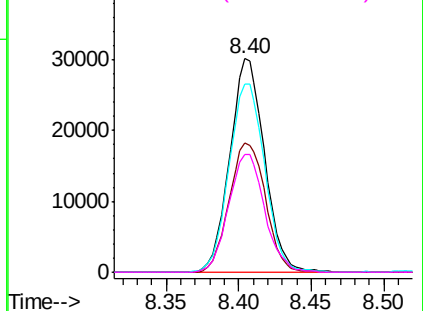
#45
 1,1,2-Trichloroethane
 Concen: 5.457 ug/L
 RT: 8.40 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:	97	Resp:	50105
Ion	Ratio	Lower	Upper
97	100		
99	60.3	43.0	79.8
83	88.3	61.7	114.7
85	55.3	39.3	73.1

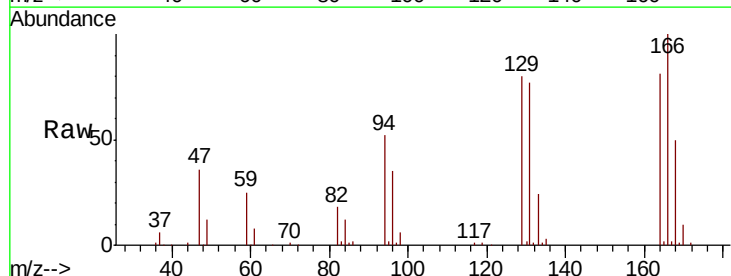


Abundance Ion 96.95 (96.65 to 97.65): VU040345.D (-2104) (-)

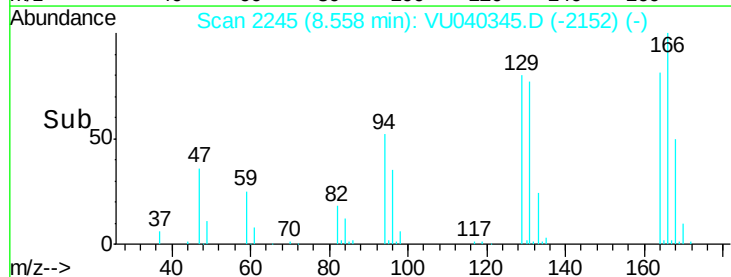
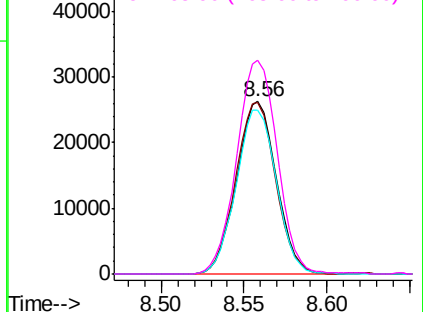


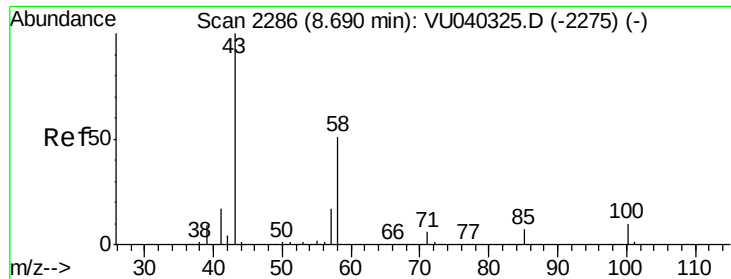
#47
 Tetrachloroethene
 Concen: 5.340 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion:	164	Resp:	43801
Ion	Ratio	Lower	Upper
164	100		
129	99.6	71.5	132.7
131	95.3	65.9	122.5
166	123.9	87.3	162.1



Abundance Ion 163.90 (163.60 to 164.60): VU040345.D (-2152) (-)

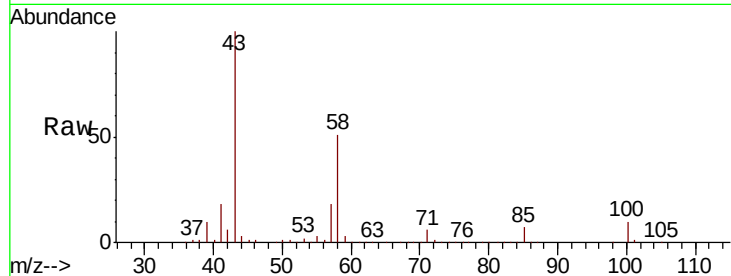




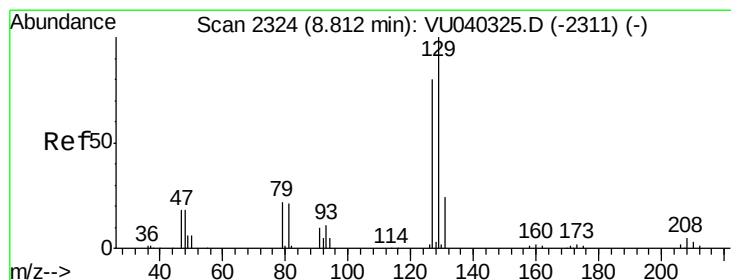
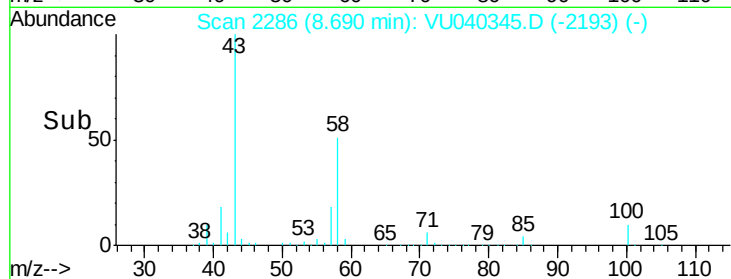
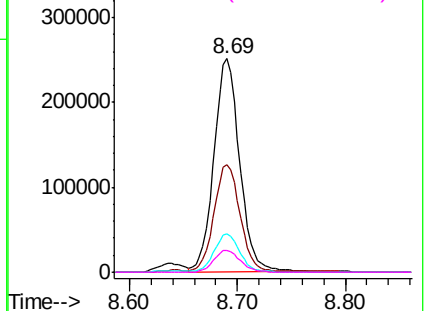
#48
2-Hexanone
Concen: 55.153 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion: 43 Resp: 416038
Ion Ratio Lower Upper
43 100
58 51.3 39.6 59.4
57 17.7 14.3 21.5
100 10.7 8.0 12.0

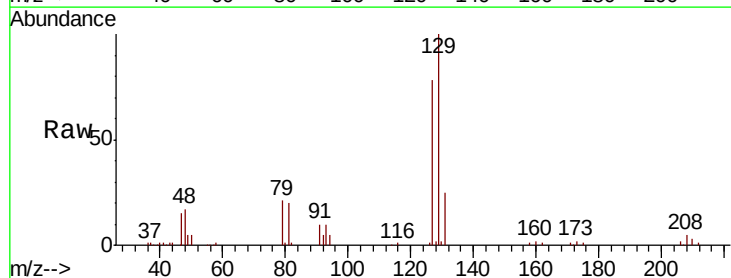


Abundance Ion 43.05 (42.75 to 43.75): VU040325.D (-2275) (-)
Ion 58.05 (57.75 to 58.75): VU040325.D (-2275) (-)
Ion 57.20 (56.90 to 57.90): VU040325.D (-2275) (-)
Ion 100.15 (99.85 to 100.85): VU040325.D (-2275) (-)

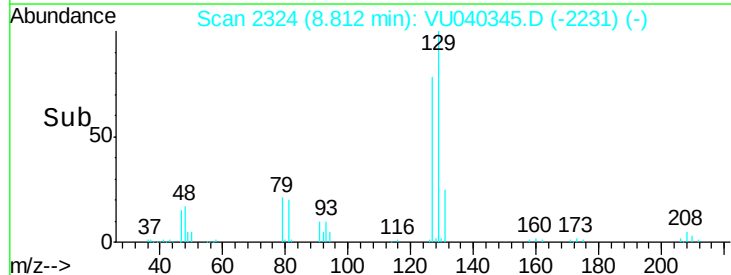
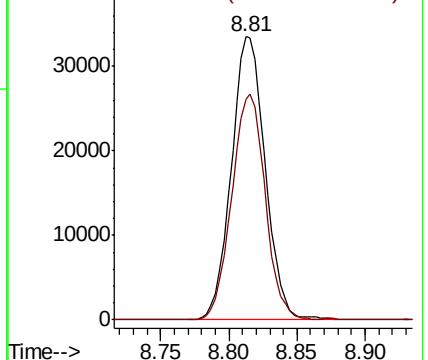


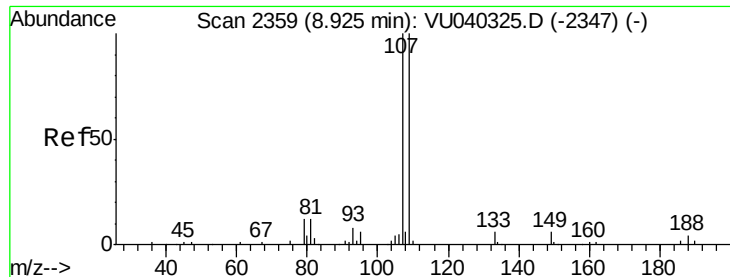
#49
Dibromochloromethane
Concen: 5.231 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Tgt Ion: 129 Resp: 57651
Ion Ratio Lower Upper
129 100
127 78.2 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040325.D (-2311) (-)
Ion 126.90 (126.60 to 127.60): VU040325.D (-2311) (-)

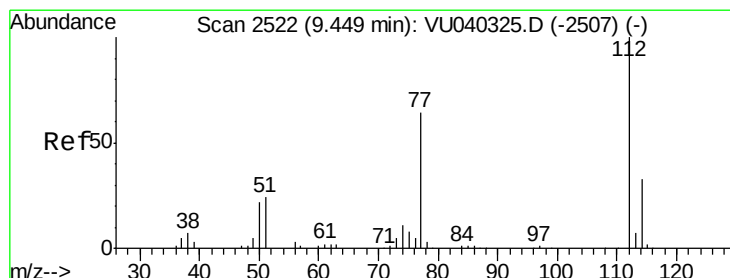
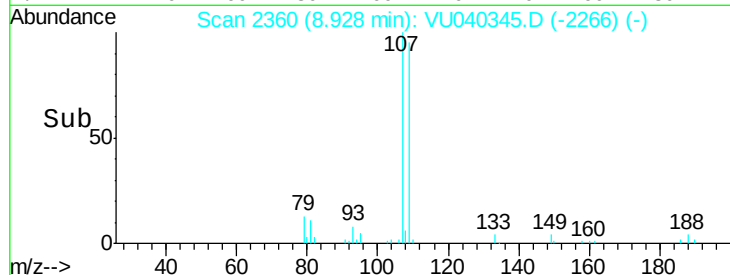
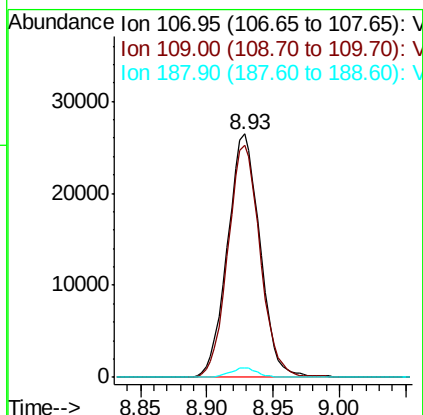
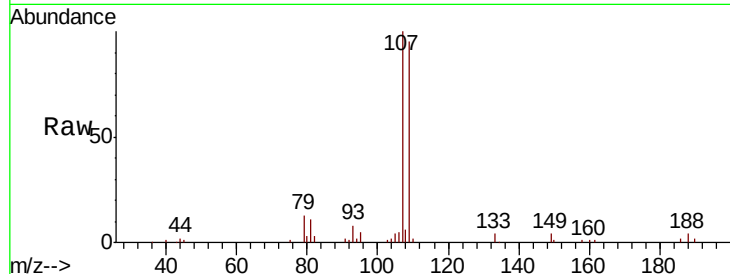




#50
 1,2-Dibromoethane
 Concen: 5.092 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

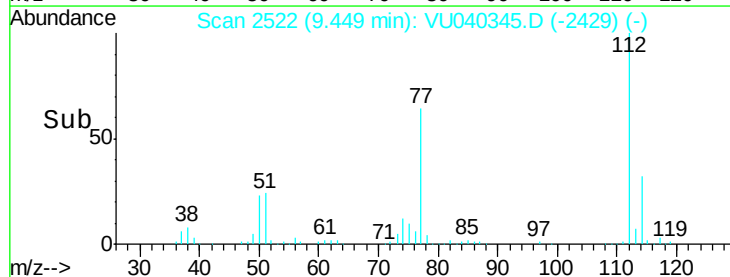
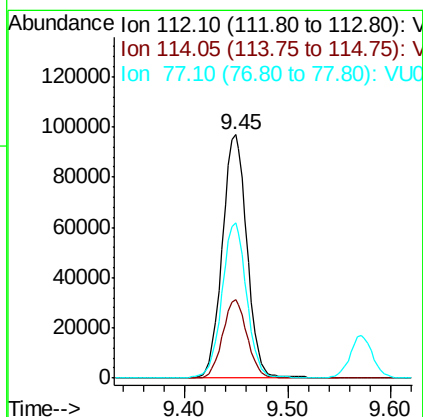
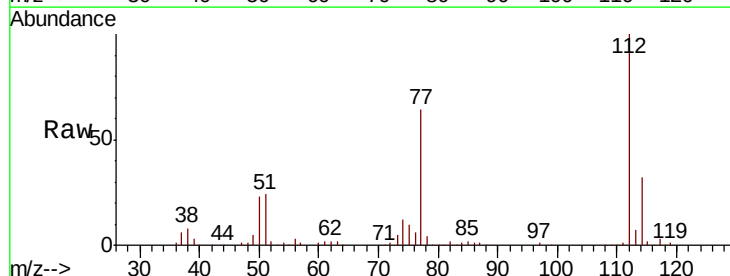
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

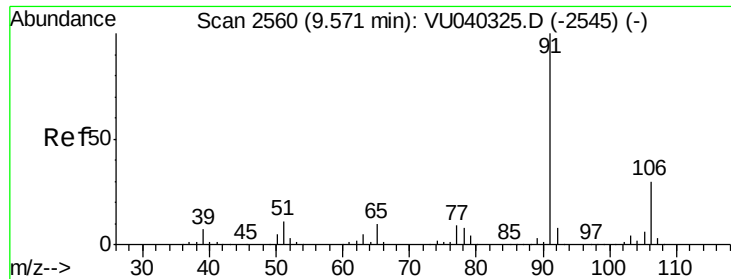
Tot Ion:107 Resp: 45079
 Ion Ratio Lower Upper
 107 100
 109 95.4 62.4 115.8
 188 4.1 2.3 3.5#



#51
 Chlorobenzene
 Concen: 5.418 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion:112 Resp: 161236
 Ion Ratio Lower Upper
 112 100
 114 32.4 22.7 42.3
 77 63.5 53.2 79.8





#52

Ethylbenzene

Concen: 5.102 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

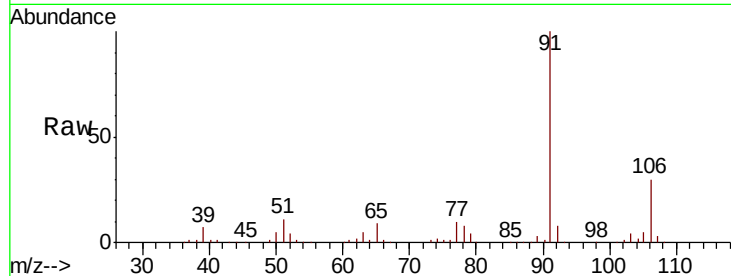
VSTD00523

Tot Ion: 91 Resp: 277891

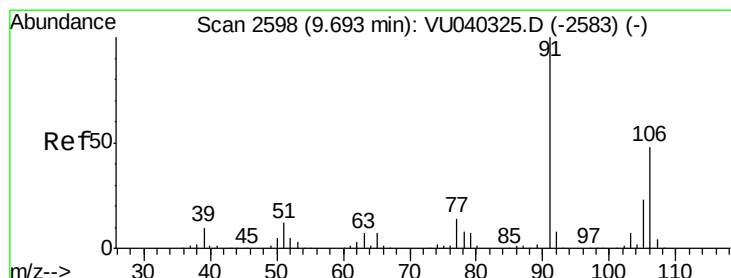
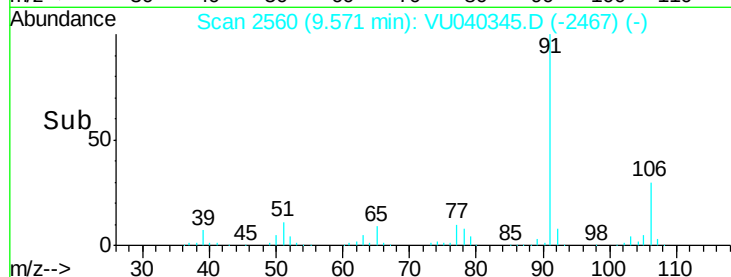
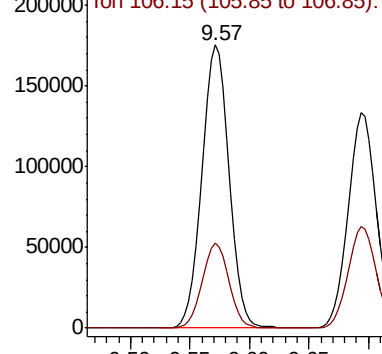
Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VU040325.D (-2545) (-)



#53

m,p-Xylene

Concen: 5.367 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU040345.D

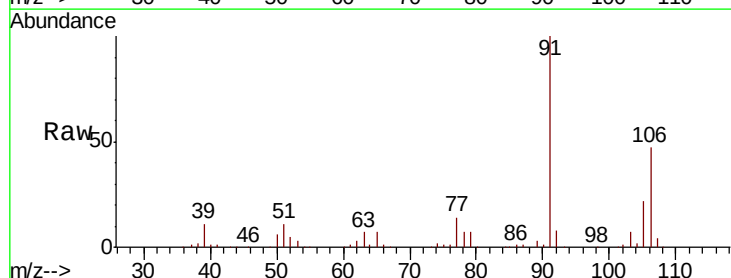
Acq: 28 Sep 2020 20:39

Tgt Ion: 106 Resp: 104079

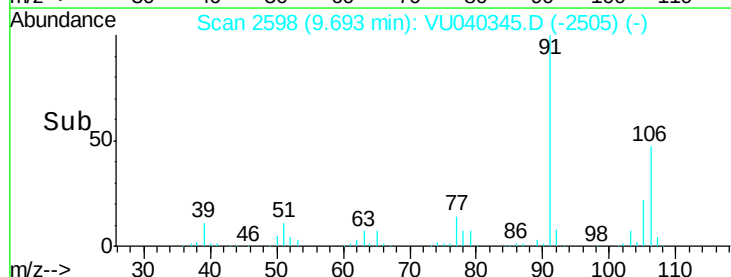
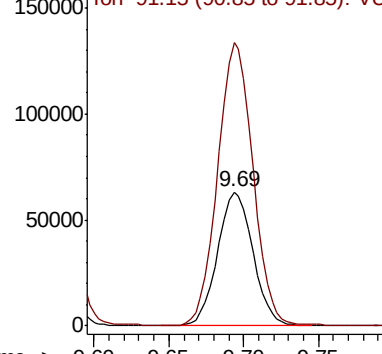
Ion Ratio Lower Upper

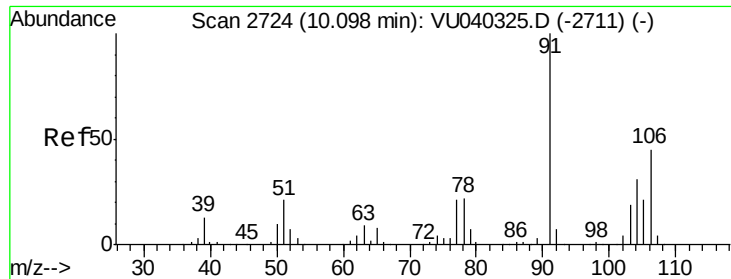
106 100

91 211.9 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040325.D (-2583) (-)

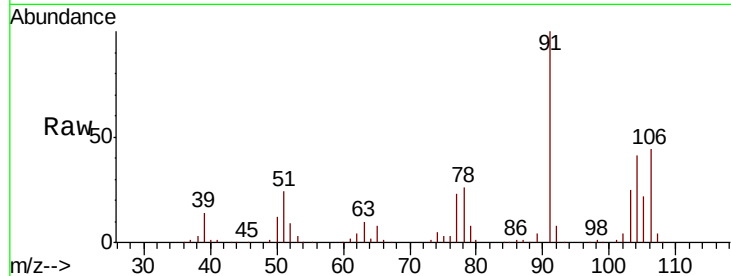




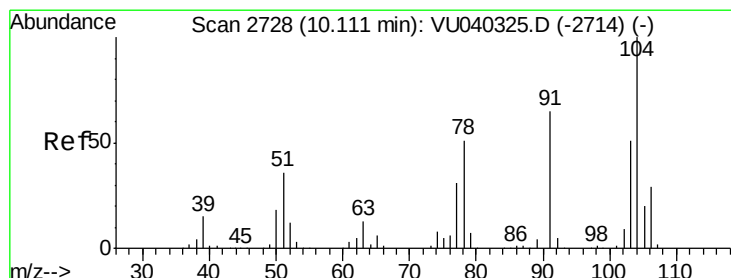
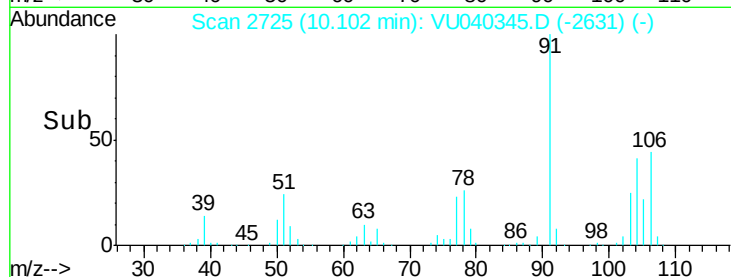
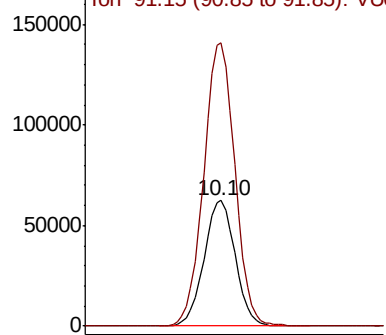
#54
o-Xylene
Concen: 5.370 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Instrument :
MSVOA_U
ClientSampleId :
VSTD00523

Tot Ion:106 Resp: 99231
Ion Ratio Lower Upper
106 100
91 225.0 160.8 298.6

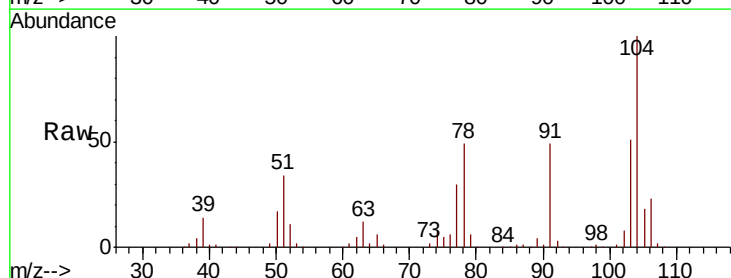


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

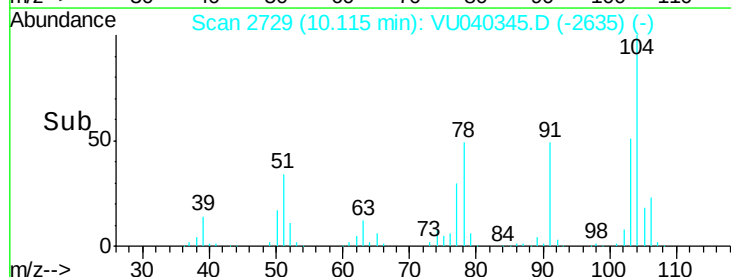
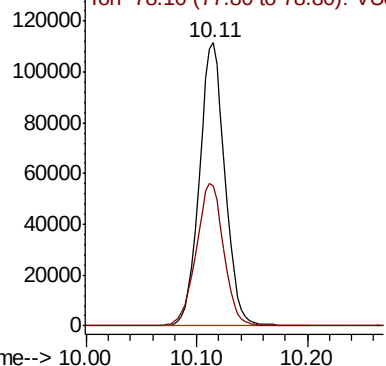


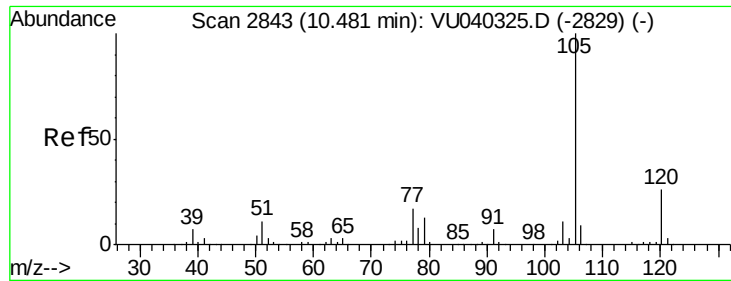
#55
Styrene
Concen: 5.568 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040345.D
Acq: 28 Sep 2020 20:39

Tgt Ion:104 Resp: 178925
Ion Ratio Lower Upper
104 100
78 49.3 36.8 68.3



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





#56

Isopropylbenzene

Concen: 5.466 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

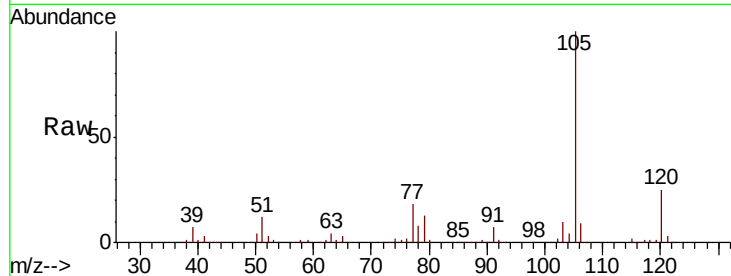
Tot Ion:105 Resp: 275482

Ion Ratio Lower Upper

105 100

120 25.0 20.1 30.1

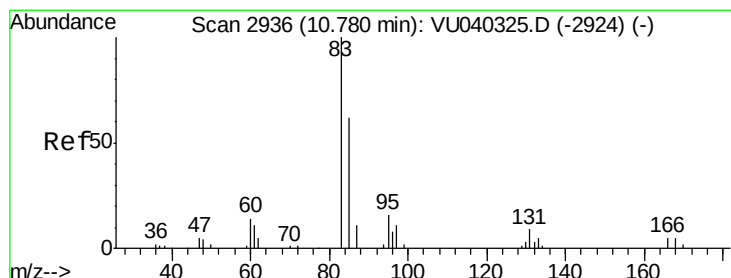
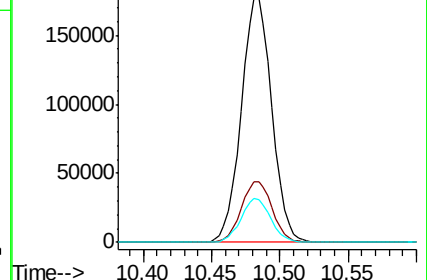
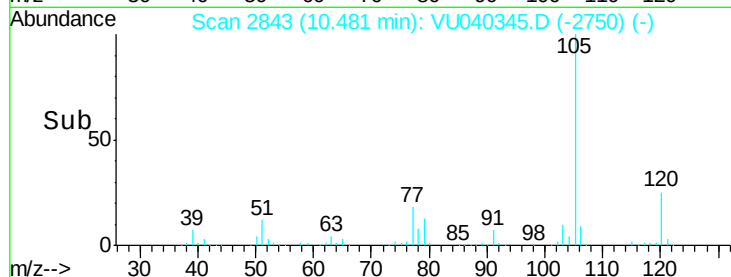
77 17.4 14.4 21.6



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: 5.533 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

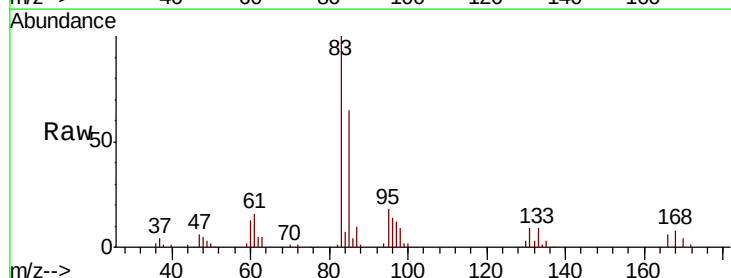
Tgt Ion: 83 Resp: 65143

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

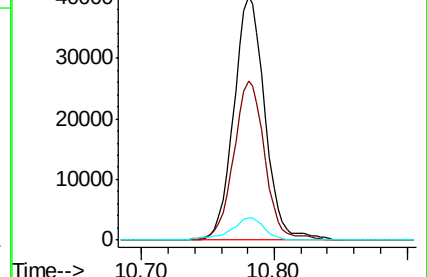
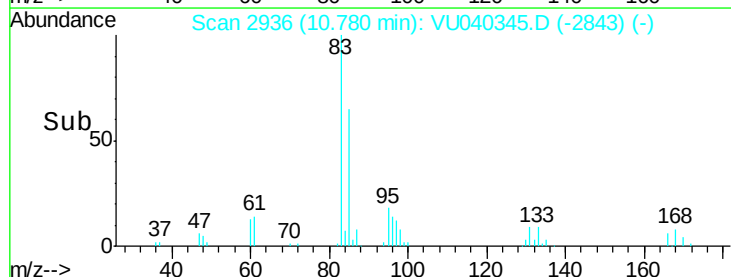
131 9.2 7.4 11.0

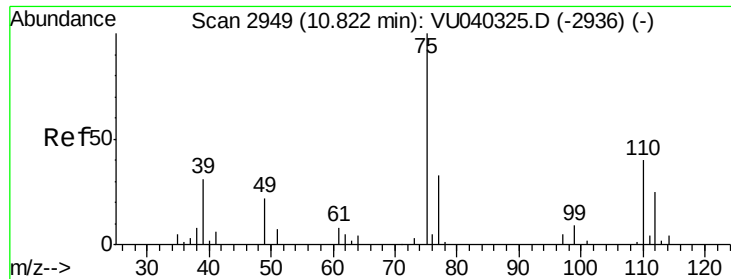


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.250 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

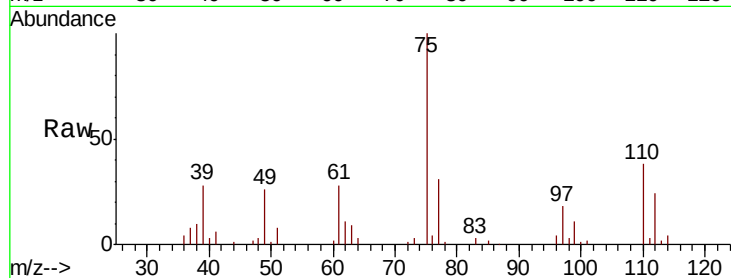
VSTD00523

Tot Ion: 75 Resp: 49023

Ion Ratio Lower Upper

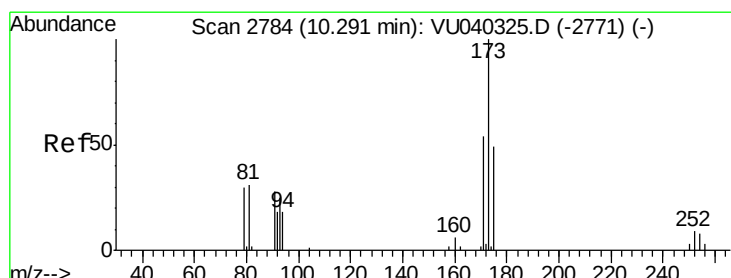
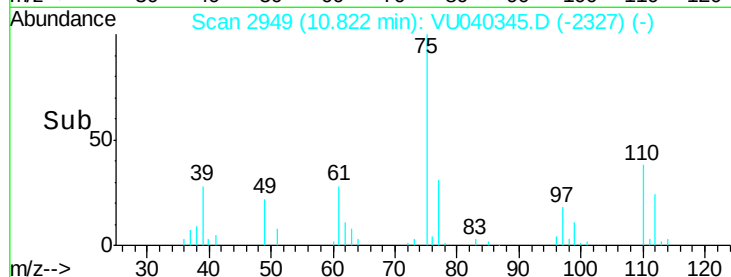
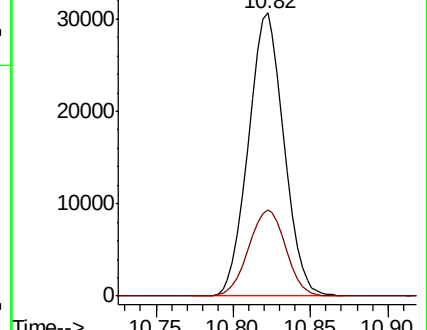
75 100

77 31.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VU040325.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040325.D (-2936) (-)



#61

Bromoform

Concen: 5.186 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

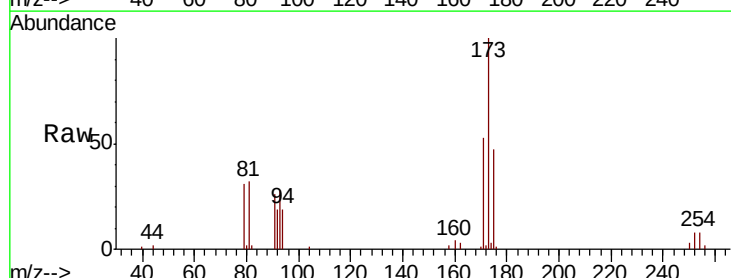
Tgt Ion: 173 Resp: 32293

Ion Ratio Lower Upper

173 100

175 47.7 37.8 56.6

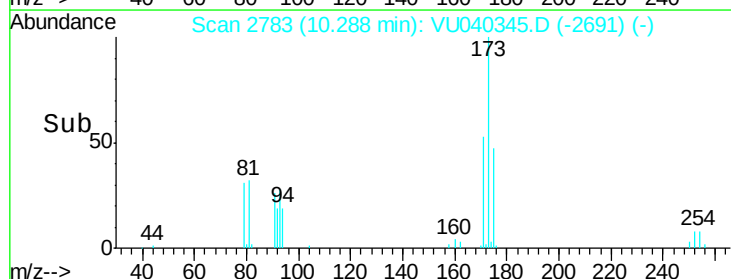
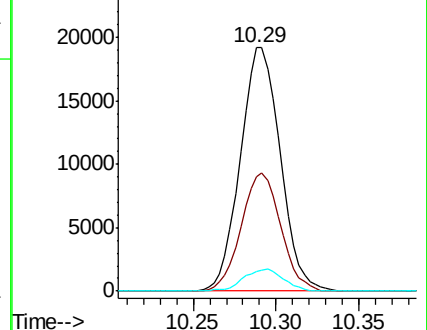
254 9.0 6.8 10.2

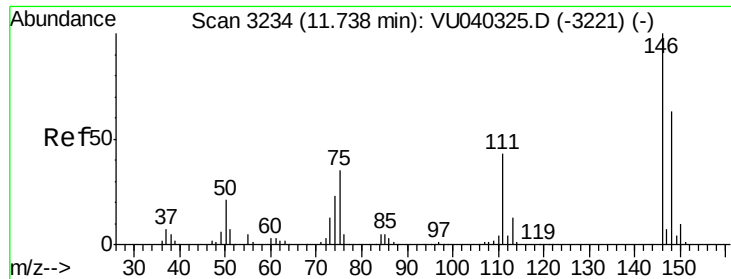


Abundance Ion 172.90 (172.60 to 173.60): VU040325.D (-2771) (-)

Ion 174.90 (174.60 to 175.60): VU040325.D (-2771) (-)

Ion 253.75 (253.45 to 254.45): VU040325.D (-2771) (-)

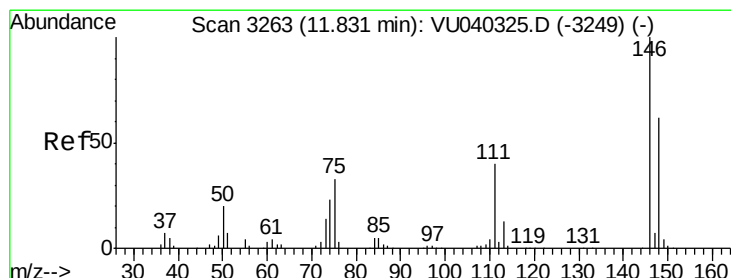
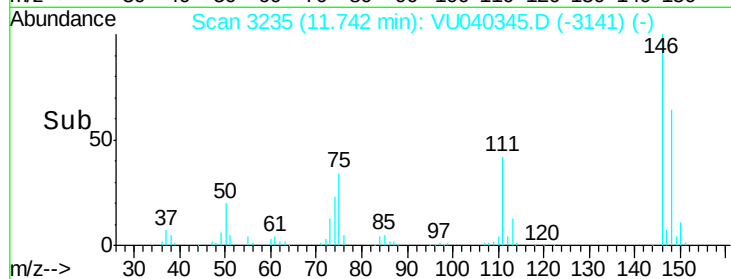
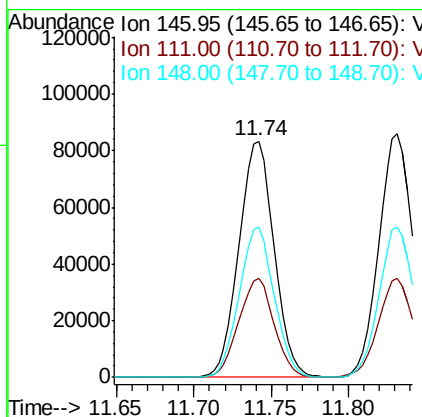
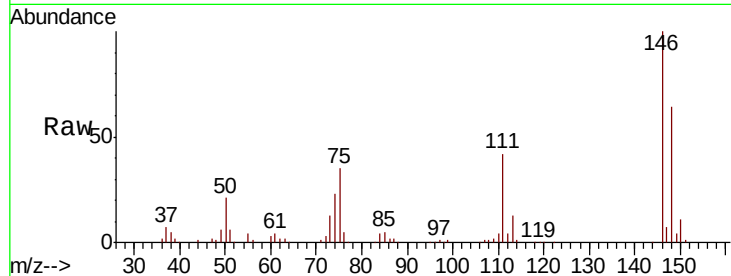




#62
 1,3-Dichlorobenzene
 Concen: 5.330 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

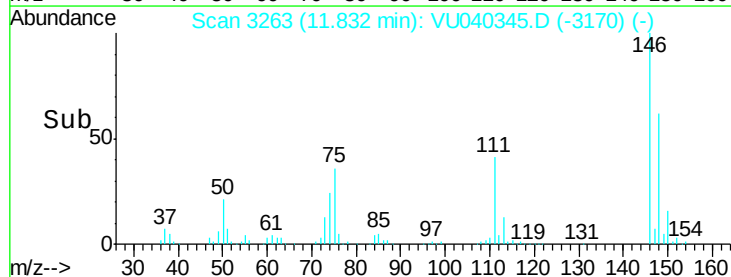
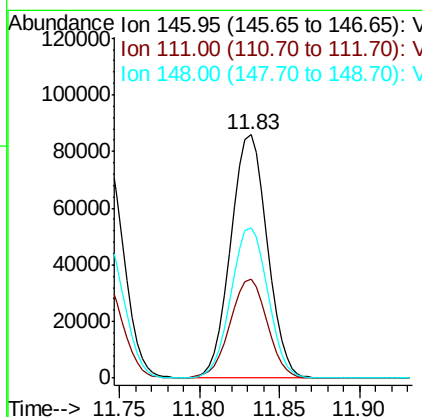
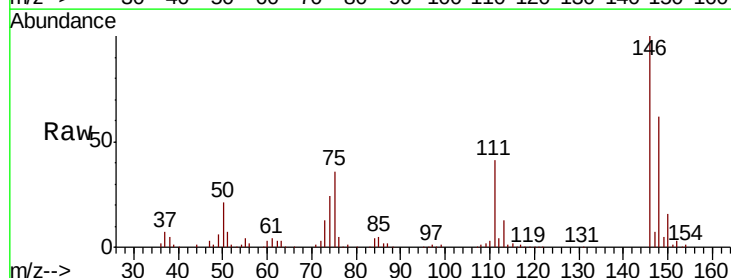
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

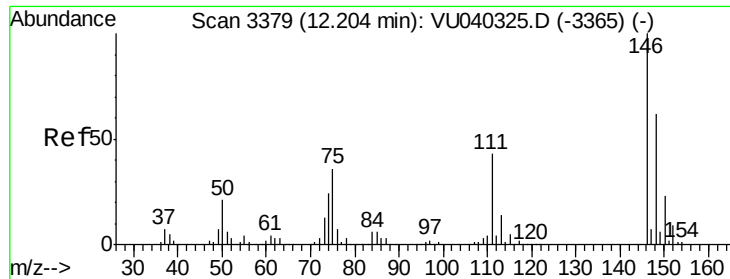
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	31.6	58.8
148	63.8	44.2	82.0



#63
 1,4-Dichlorobenzene
 Concen: 5.314 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	30.5	56.7
148	61.9	45.4	84.4

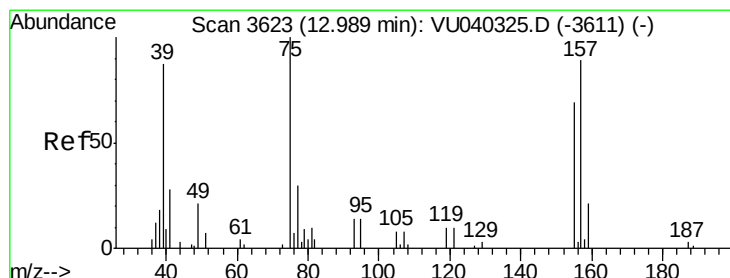
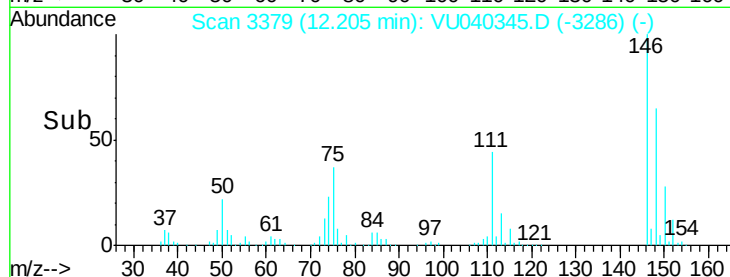
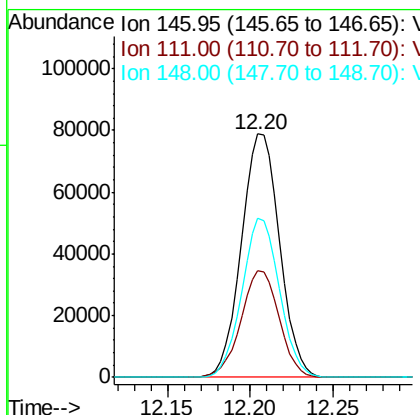
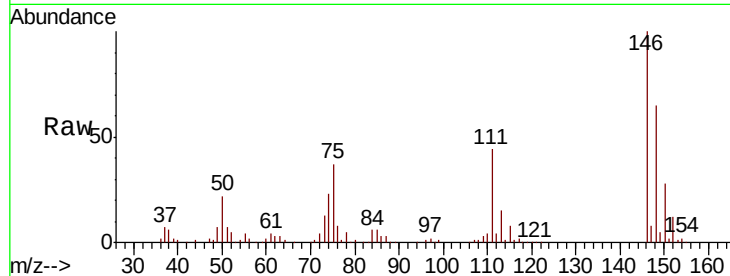




#65
 1,2-Dichlorobenzene
 Concen: 5.262 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

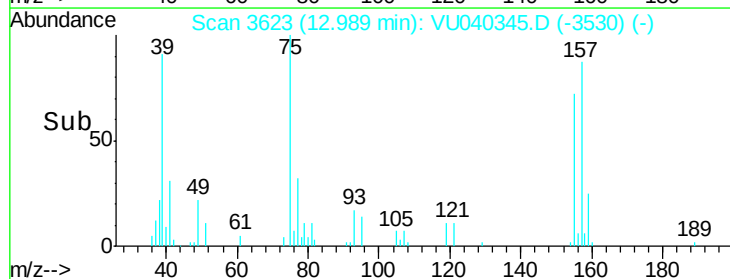
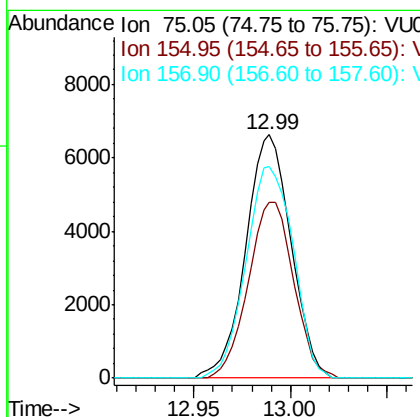
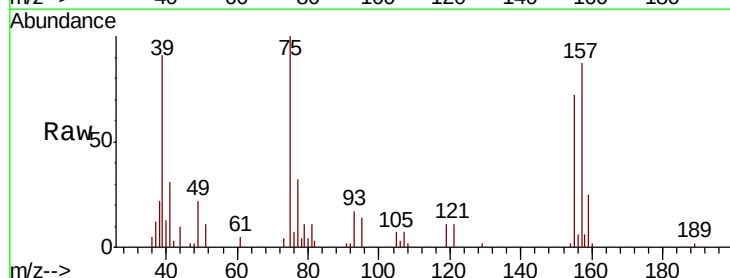
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

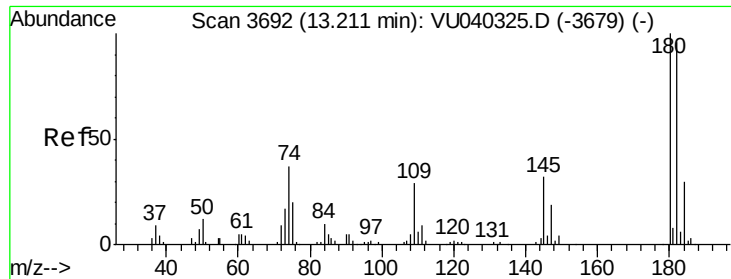
Tot Ion:146 Resp: 126328
 Ion Ratio Lower Upper
 146 100
 111 43.8 36.5 54.7
 148 65.2 48.6 72.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.199 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion: 75 Resp: 10783
 Ion Ratio Lower Upper
 75 100
 155 72.3 54.6 82.0
 157 87.2 75.6 113.4

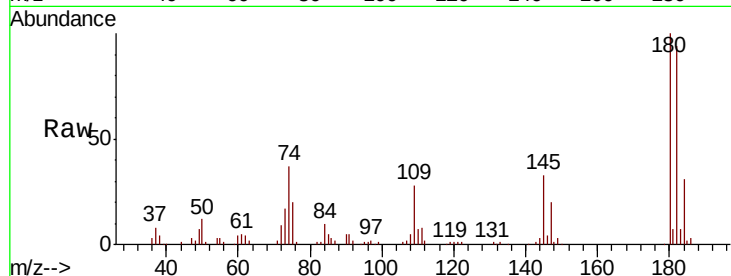




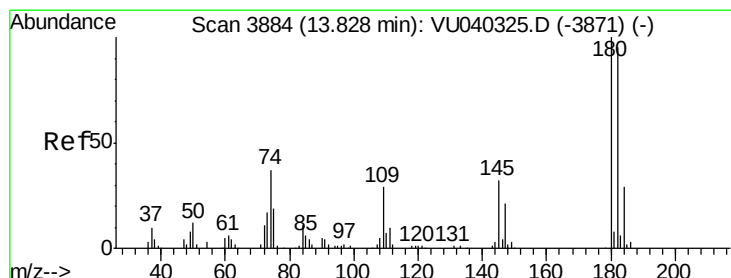
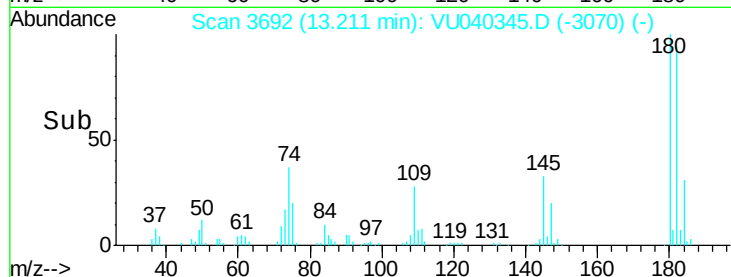
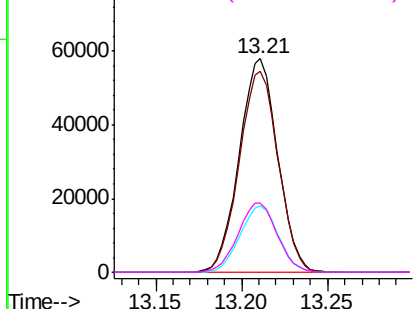
#67
 1,3,5-Trichlorobenzene
 Concen: 5.149 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00523

Tot Ion:180 Resp: 89838
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.9 115.3
 184 30.8 24.6 36.8
 145 32.8 27.0 40.6

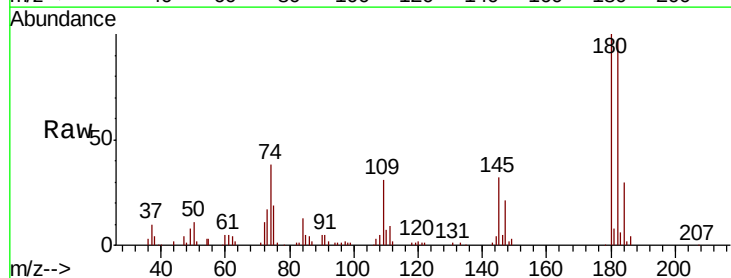


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

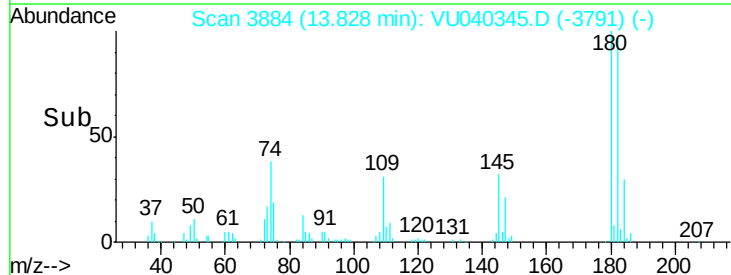
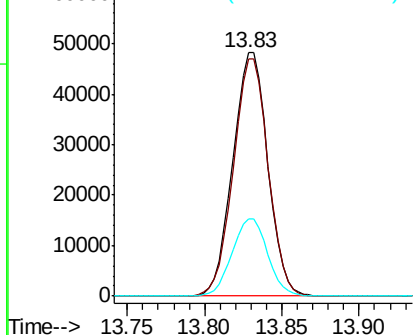


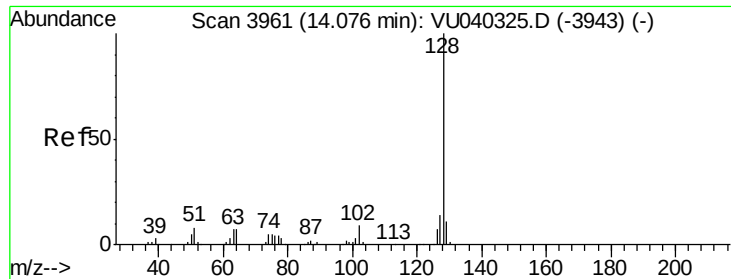
#68
 1,2,4-trichlorobenzene
 Concen: 5.035 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU040345.D
 Acq: 28 Sep 2020 20:39

Tgt Ion:180 Resp: 75667
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.0 114.0
 145 32.3 28.4 42.6



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





#69

Naphthalene

Concen: 4.459 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

Instrument :

MSVOA_U

ClientSampleId :

VSTD00523

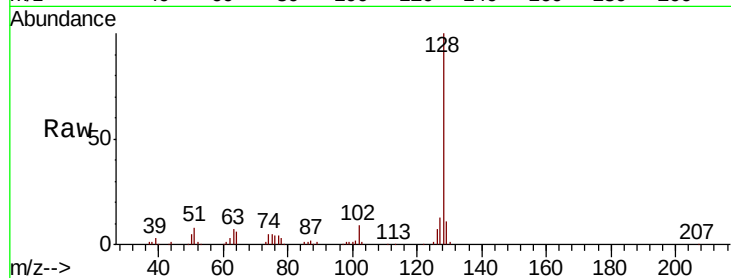
Tot Ion:128 Resp: 139683

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

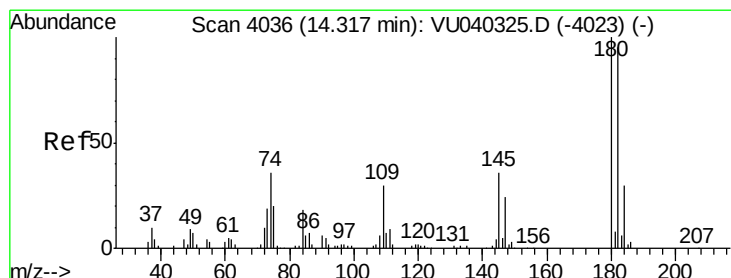
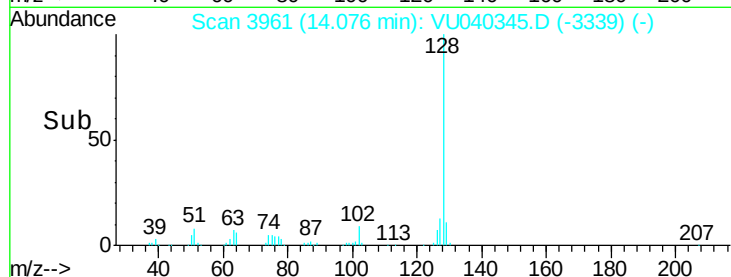
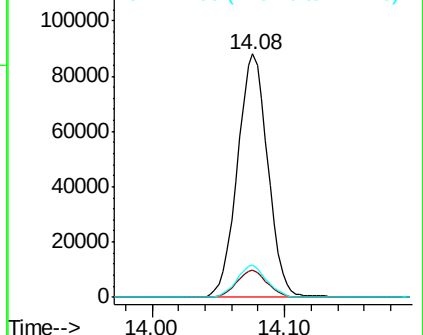
127 13.1 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.251 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU040345.D

Acq: 28 Sep 2020 20:39

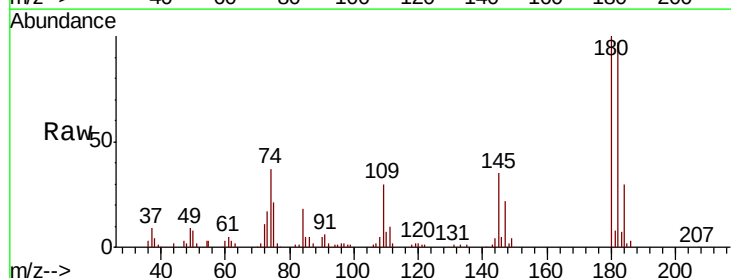
Tgt Ion:180 Resp: 72480

Ion Ratio Lower Upper

180 100

182 94.6 77.8 116.6

145 33.9 28.7 43.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

