

Data File : VU039312.D
Acq On : 07 Jul 2020 13:26
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Quant Time: Jul 07 14:13:02 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 14:10:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117993	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55838	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	7266	0.74	ug/L	0.00
7) Chloroethane-d5	1.92	69	7004	0.75	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	14092	0.77	ug/L	0.00
20) 2-Butanone-d5	4.66	46	31524	8.54	ug/L	0.00
24) Chloroform-d	5.09	84	14814	0.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	9356	0.81	ug/L	0.00
32) Benzene-d6	5.75	84	27556	0.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	9534	0.79	ug/L	0.00
41) Toluene-d8	7.91	98	23517	0.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	4000	0.72	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	23400	7.96	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	8747	0.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	10178	0.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	8113	1.120 ug/L	93
3) Chloromethane	1.53	50	10288	1.115 ug/L	99
5) Vinyl chloride	1.61	62	11068	1.167 ug/L	97
6) Bromomethane	1.87	94	4579	0.787 ug/L	92
8) Chloroethane	1.94	64	9094	1.401 ug/L	90
9) Trichlorofluoromethane	2.15	101	16302	0.983 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	7464	1.032 ug/L	94
12) 1,1-Dichloroethene	2.59	96	7964	1.104 ug/L	91
13) Acetone	2.67	43	20554	11.770 ug/L	87
14) Carbon disulfide	2.81	76	28351	1.233 ug/L	98
15) Methyl Acetate	2.98	43	5718	1.309 ug/L	94
16) Methylene chloride	3.06	84	10719	1.167 ug/L	91
17) Methyl tert-butyl Ether	3.39	73	26246	1.106 ug/L	98
18) trans-1,2-Dichloroethene	3.38	96	8989	1.146 ug/L	98
19) 1,1-Dichloroethane	3.89	63	18414	1.172 ug/L	98
21) 2-Butanone	4.74	43	35815	11.268 ug/L	93
22) cis-1,2-Dichloroethene	4.69	96	10285	1.151 ug/L	89
23) Bromochloromethane	5.00	128	4903	1.218 ug/L	90
25) Chloroform	5.11	83	18496	1.130 ug/L	97
27) 1,2-Dichloroethane	5.81	62	13308	1.129 ug/L	# 78
29) 1,1,1-Trichloroethane	5.34	97	14964	1.104 ug/L	98
30) Cyclohexane	5.41	56	15021	1.107 ug/L	99
31) Carbon tetrachloride	5.54	117	12731	1.117 ug/L	96
33) Benzene	5.79	78	38889	1.169 ug/L	100
34) Trichloroethene	6.56	95	9820	1.145 ug/L	97
35) Methylcyclohexane	6.78	83	14578	1.062 ug/L	97
37) 1,2-Dichloropropane	6.80	63	10863	1.171 ug/L	# 97
38) Bromodichloromethane	7.12	83	13336	1.103 ug/L	92
39) cis-1,3-Dichloropropene	7.62	75	15923	1.104 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	88451	11.265 ug/L	98

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 14:10:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	40670	1.124	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	13641	1.050	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	7287	1.056	ug/L	93
47) Tetrachloroethene	8.56	164	6728	1.117	ug/L	90
48) 2-Hexanone	8.69	43	64320	11.015	ug/L	98
49) Dibromochloromethane	8.82	129	8721	1.007	ug/L	91
50) 1,2-Dibromoethane	8.93	107	7833	1.129	ug/L	87
51) Chlorobenzene	9.45	112	24314	1.086	ug/L	98
52) Ethylbenzene	9.57	91	42727	1.061	ug/L	96
53) m,p-Xylene	9.70	106	15941	1.049	ug/L	99
54) o-Xylene	10.10	106	15677	1.041	ug/L	96
55) Styrene	10.11	104	26414	1.003	ug/L	98
56) Isopropylbenzene	10.48	105	41540	1.018	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	10411	1.068	ug/L	98
59) 1,2,3-Trichloropropane	10.83	75	8059	1.156	ug/L	90
61) Bromoform	10.29	173	4920	0.988	ug/L #	97
62) 1,3-Dichlorobenzene	11.74	146	18901	1.077	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	18787	1.090	ug/L	97
65) 1,2-Dichlorobenzene	12.21	146	19120	1.112	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.99	75	1527	0.891	ug/L #	71
67) 1,3,5-Trichlorobenzene	13.21	180	14101	1.094	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	11564	1.037	ug/L	97
69) Naphthalene	14.08	128	22120	1.035	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	10830	1.065	ug/L	95

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

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```
ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

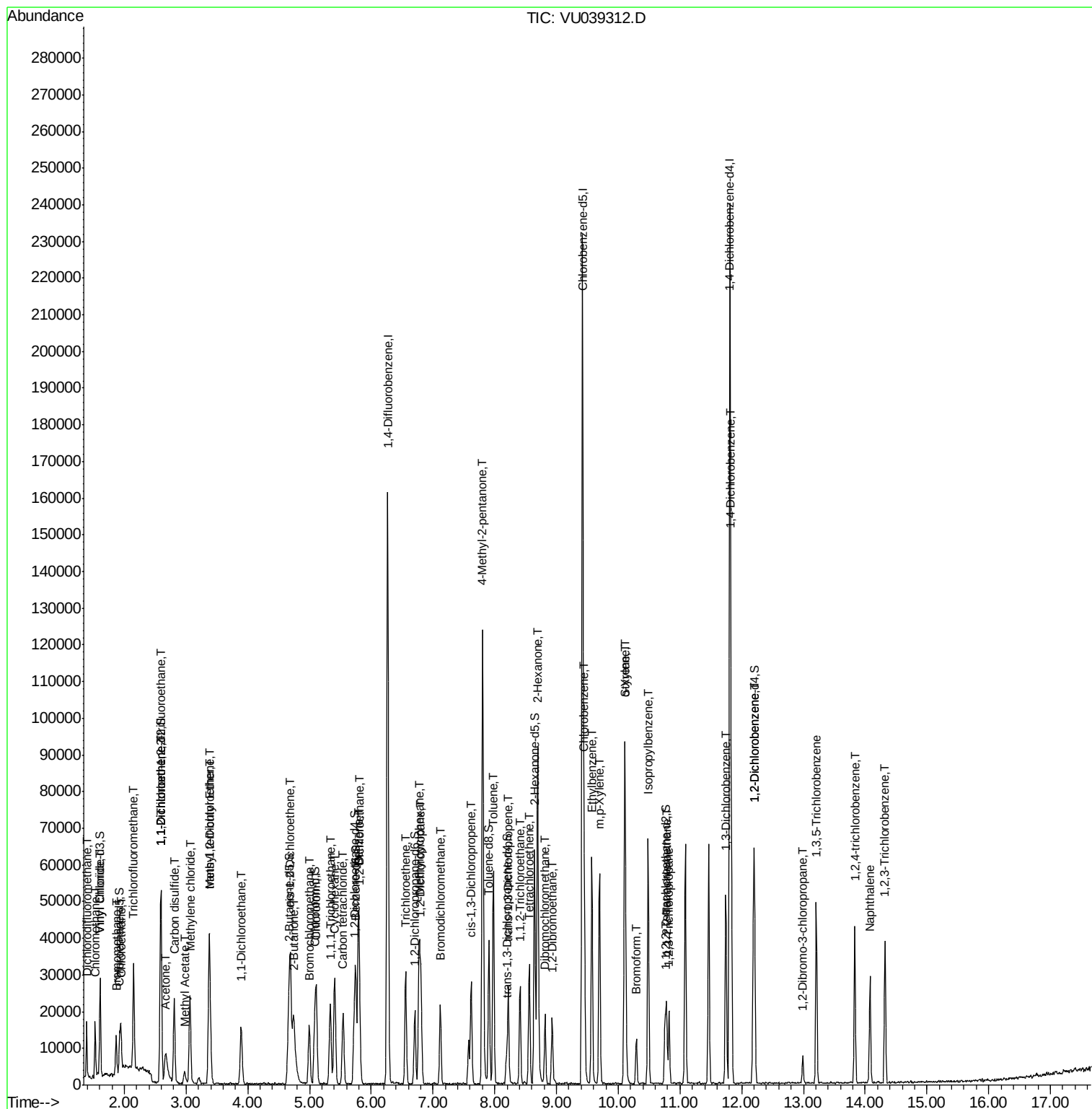
Quant Time: Jul 07 14:13:02 2020

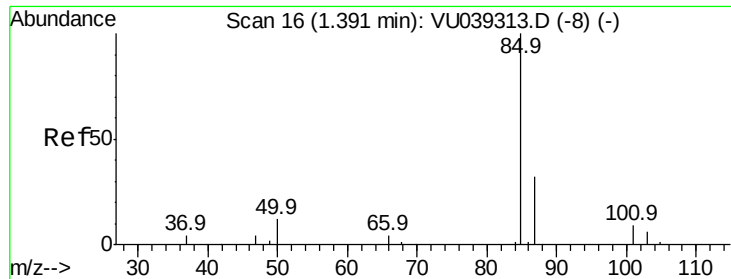
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMUTR070720WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jul 07 14:10:43 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.120 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

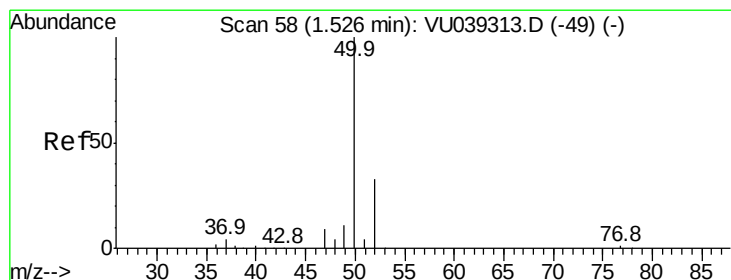
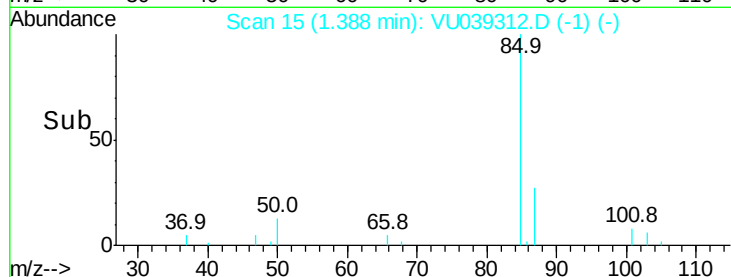
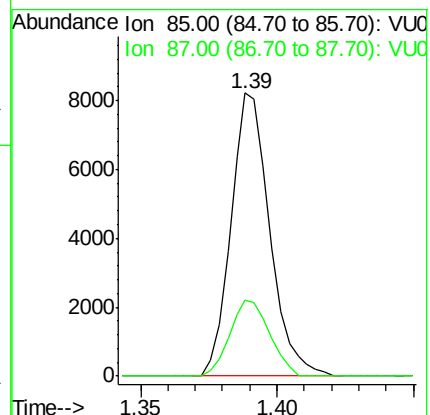
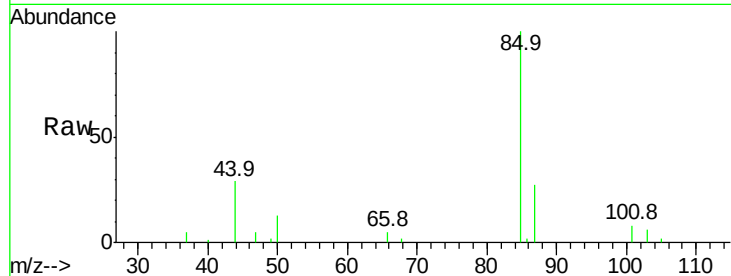
VSTD00106

Tgt Ion: 85 Resp: 8113

Ion Ratio Lower Upper

85 100

87 27.5 25.2 37.8



#3

Chloromethane

Concen: 1.115 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039312.D

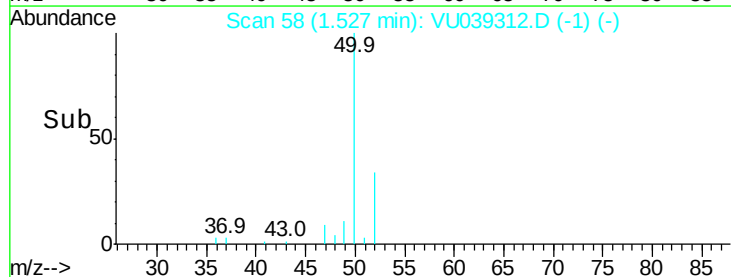
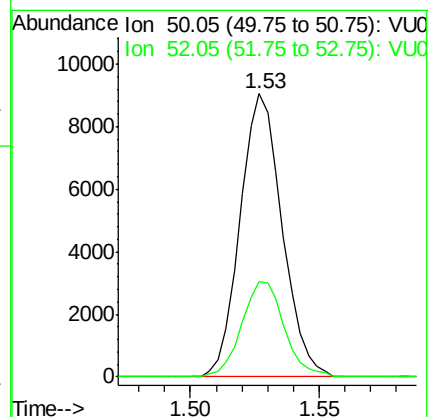
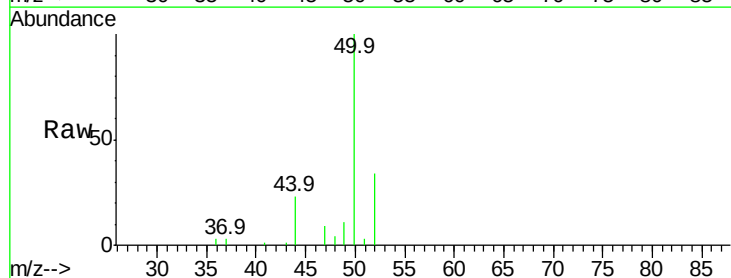
Acq: 07 Jul 2020 13:26

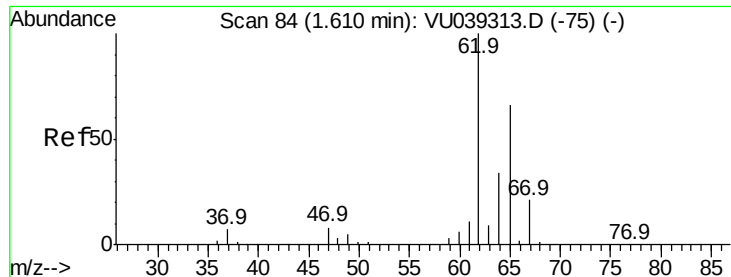
Tgt Ion: 50 Resp: 10288

Ion Ratio Lower Upper

50 100

52 33.6 23.0 42.8





#5

Vinyl chloride

Concen: 1.167 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

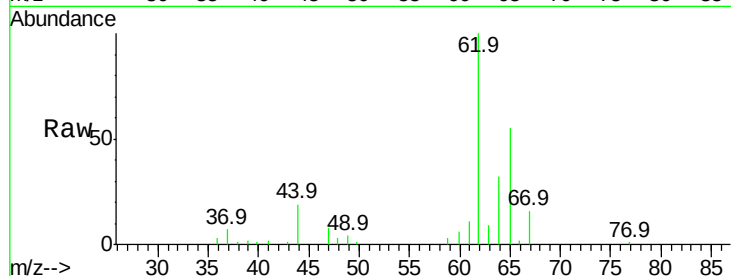
VSTD00106

Tgt Ion: 62 Resp: 11068

Ion Ratio Lower Upper

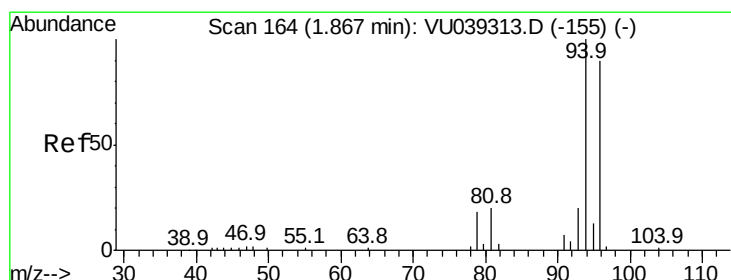
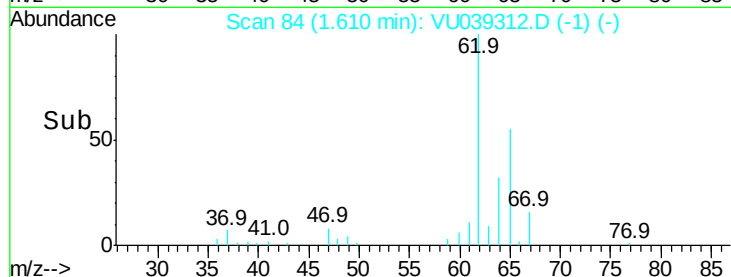
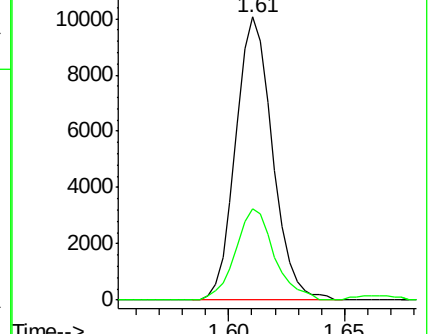
62 100

64 32.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.787 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039312.D

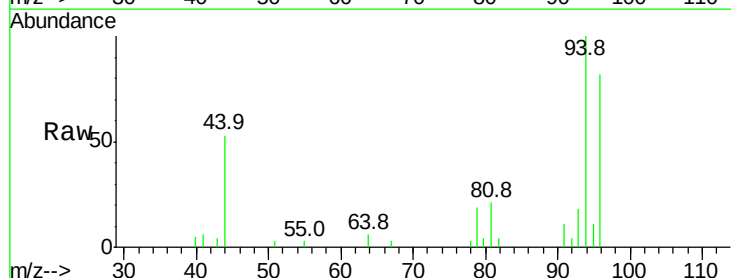
Acq: 07 Jul 2020 13:26

Tgt Ion: 94 Resp: 4579

Ion Ratio Lower Upper

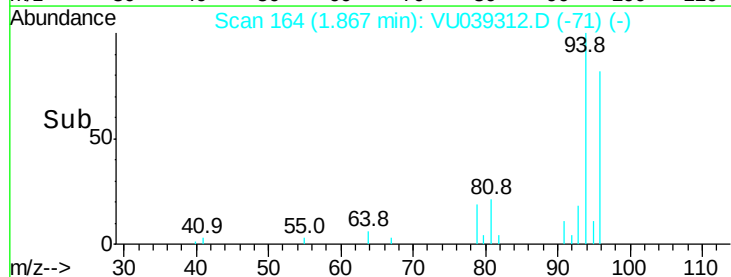
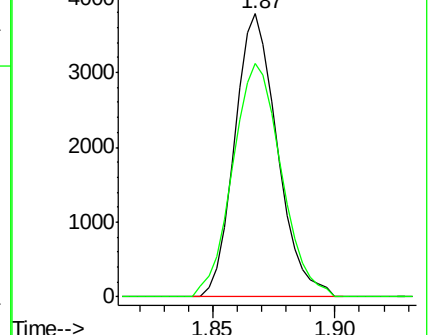
94 100

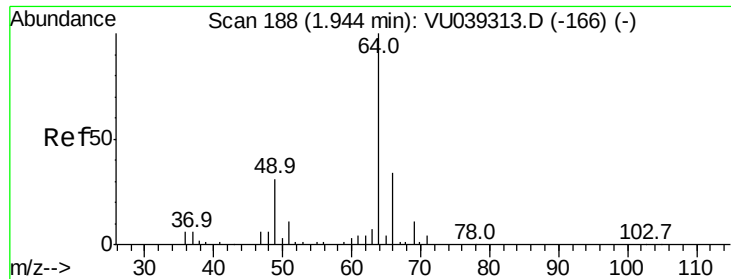
96 82.3 62.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 1.401 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

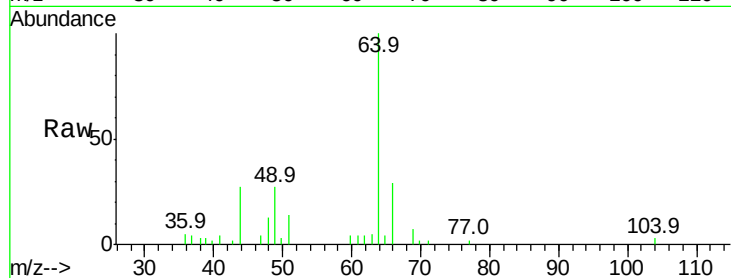
VSTD00106

Tgt Ion: 64 Resp: 9094

Ion Ratio Lower Upper

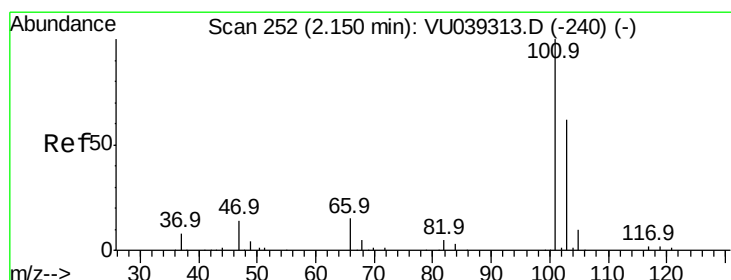
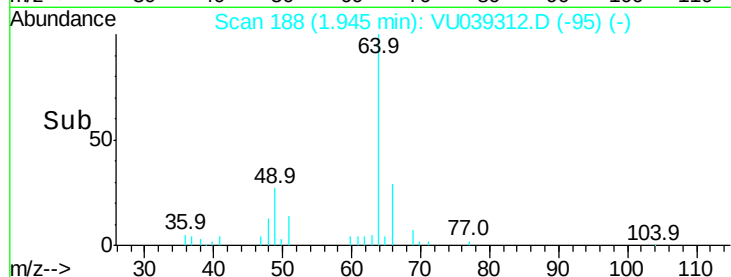
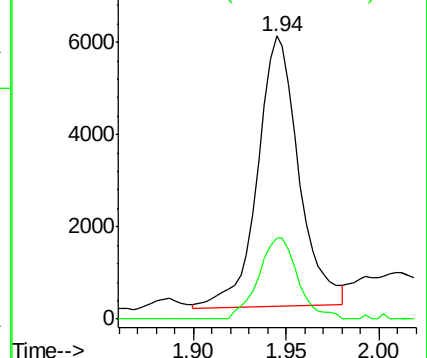
64 100

66 27.7 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039313.D (-166) (-)

Ion 66.05 (65.75 to 66.75): VU039313.D (-166) (-)



#9

Trichlorofluoromethane

Concen: 0.983 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039312.D

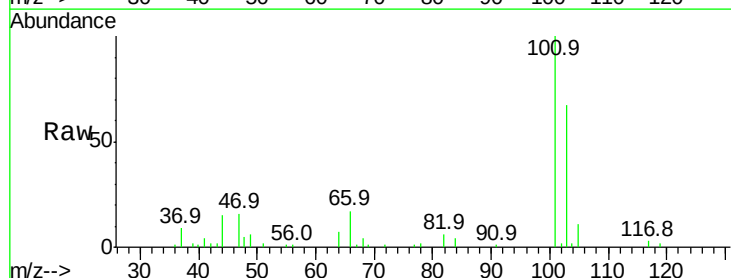
Acq: 07 Jul 2020 13:26

Tgt Ion: 101 Resp: 16302

Ion Ratio Lower Upper

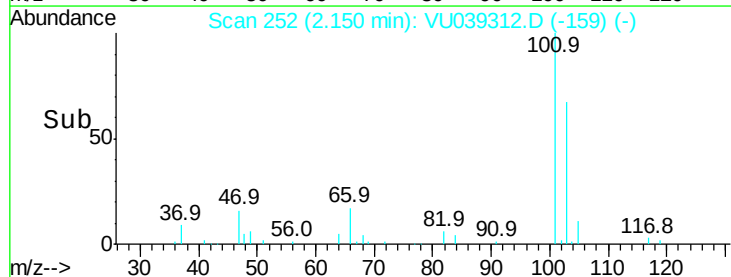
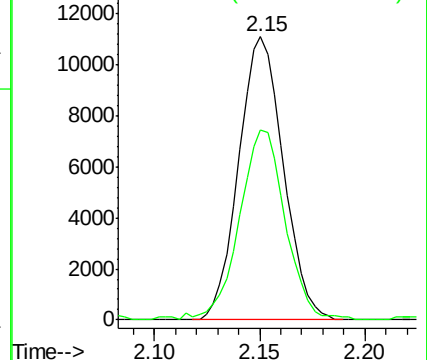
101 100

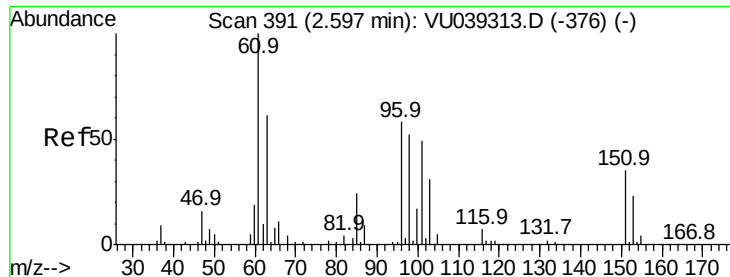
103 69.1 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039313.D (-240) (-)

Ion 103.00 (102.70 to 103.70): VU039313.D (-240) (-)





#10

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

Concen: 1.032 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

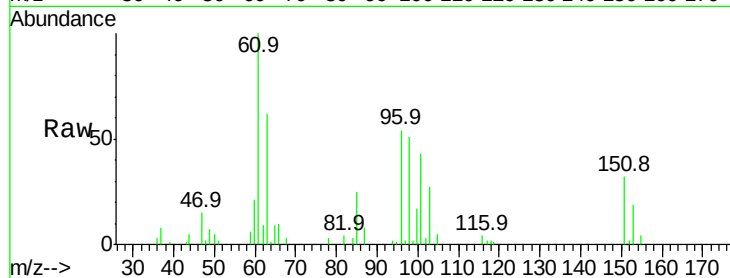
Tgt Ion:101 Resp: 7464

Ion Ratio Lower Upper

101 100

85 52.2 38.9 58.3

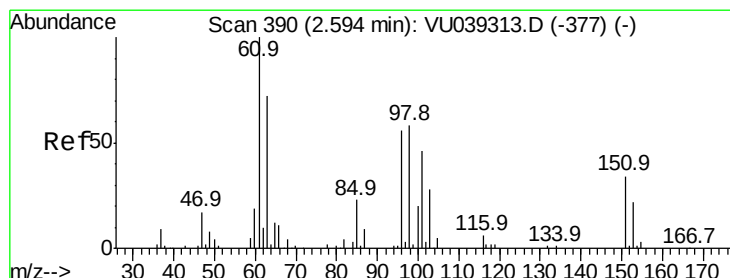
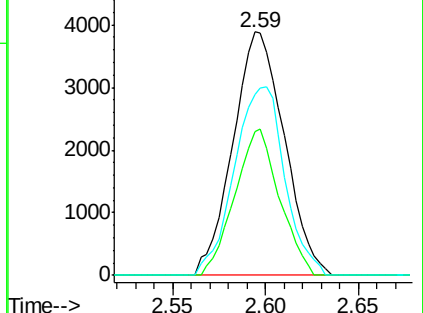
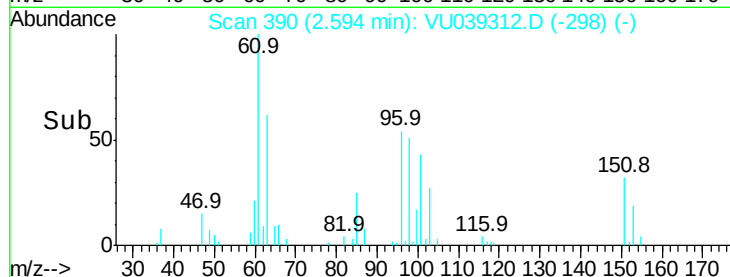
151 76.1 57.0 85.4



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: 1.104 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

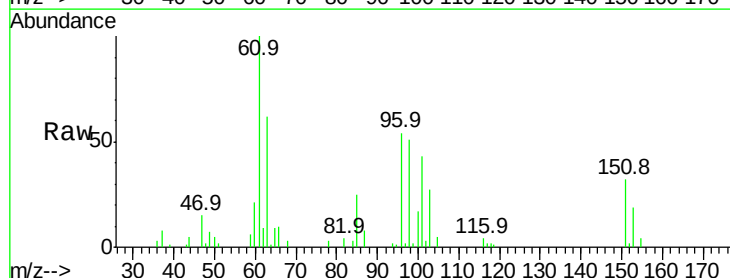
Tgt Ion: 96 Resp: 7964

Ion Ratio Lower Upper

96 100

61 186.7 125.4 232.8

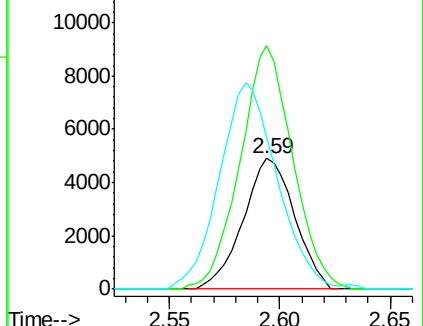
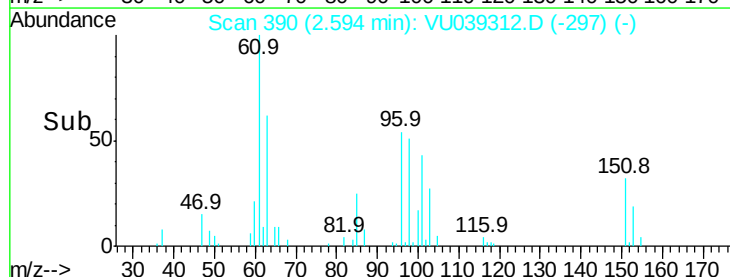
63 116.2 92.7 172.3

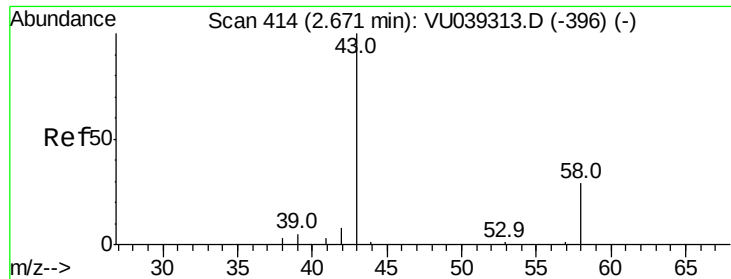


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 11.770 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

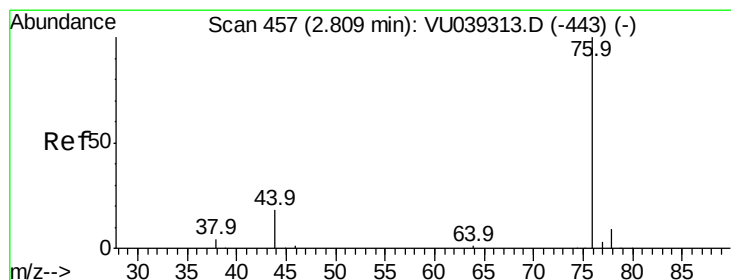
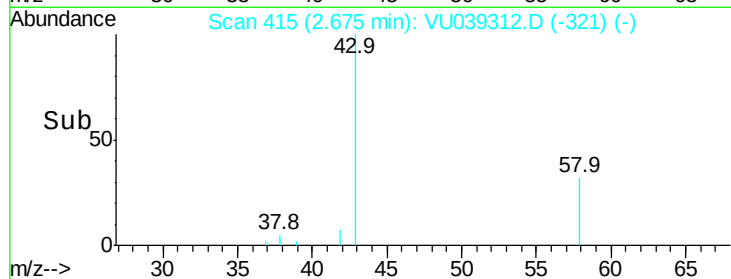
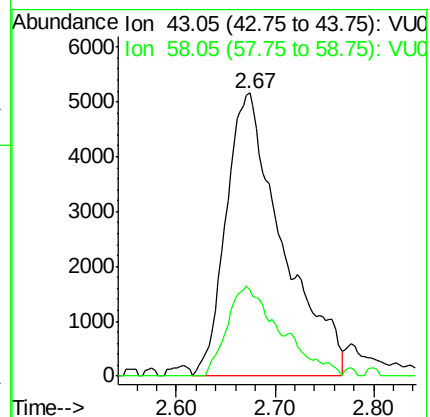
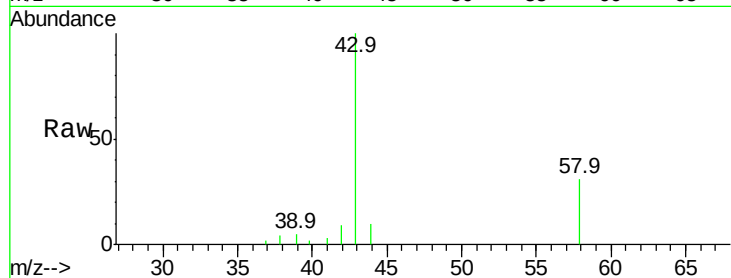
VSTD00106

Tgt Ion: 43 Resp: 20554

Ion Ratio Lower Upper

43 100

58 24.4 0.0 62.8



#14

Carbon disulfide

Concen: 1.233 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039312.D

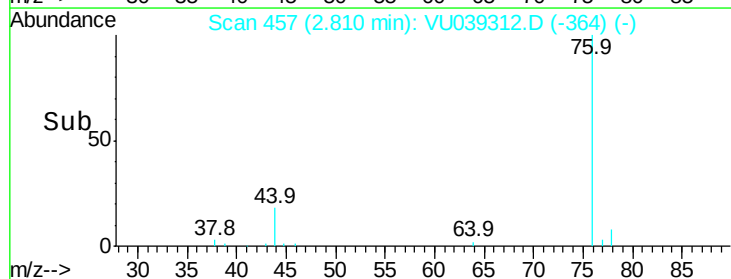
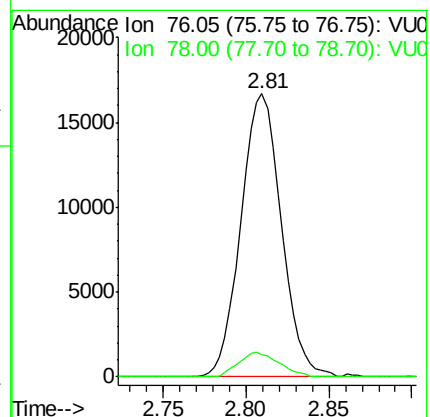
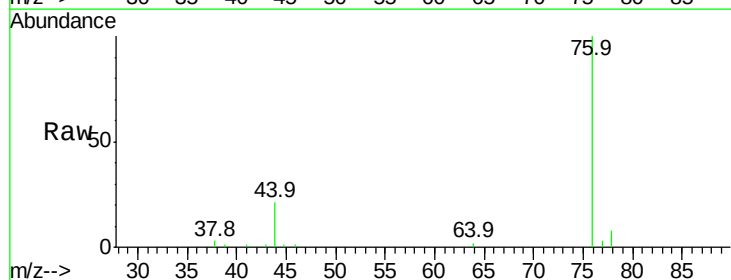
Acq: 07 Jul 2020 13:26

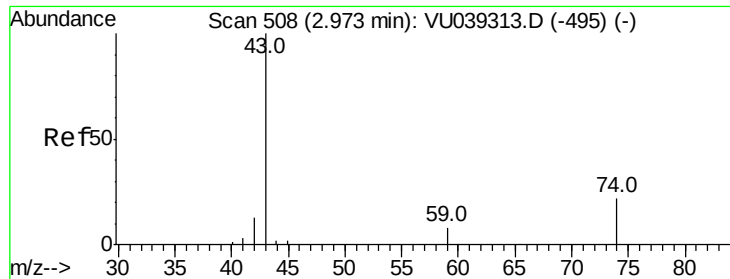
Tgt Ion: 76 Resp: 28351

Ion Ratio Lower Upper

76 100

78 8.0 7.0 10.4

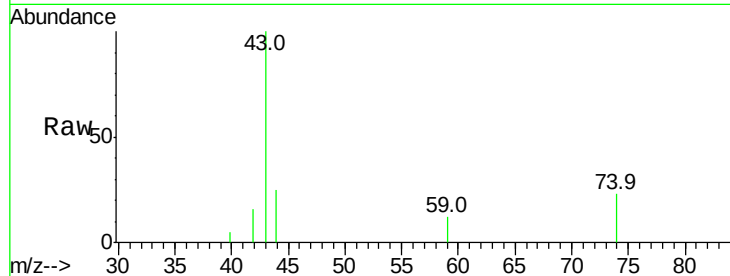




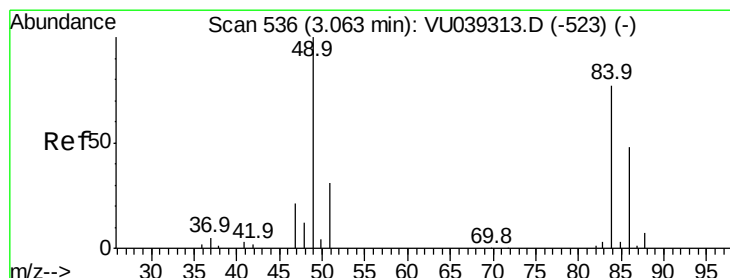
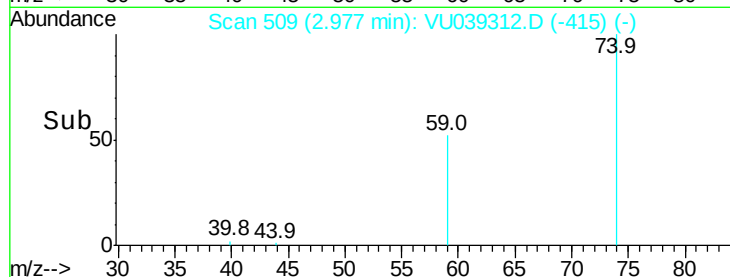
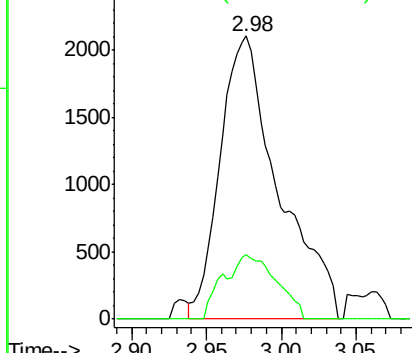
#15
Methyl Acetate
Concen: 1.309 ug/L
RT: 2.98 min Scan# 509
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion: 43 Resp: 5718
Ion Ratio Lower Upper
43 100
74 20.7 18.7 28.1

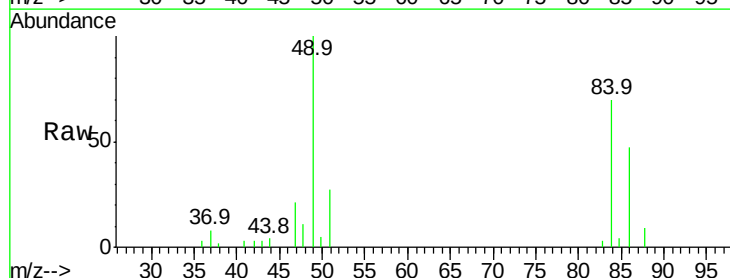


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 74.05 (73.75 to 74.75): VU0

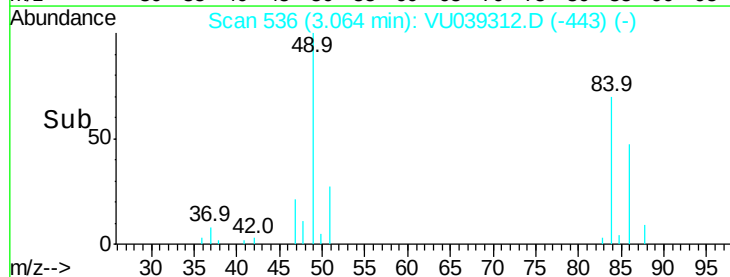
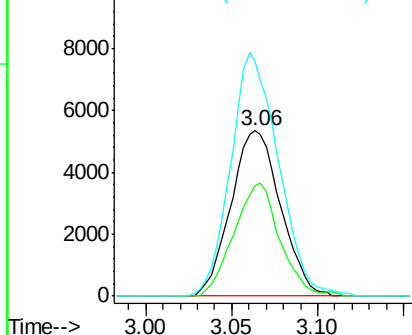


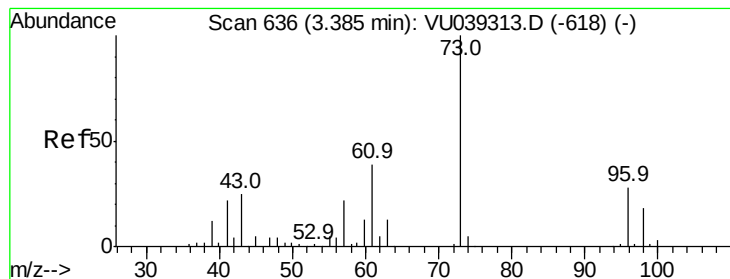
#16
Methylene chloride
Concen: 1.167 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Tgt Ion: 84 Resp: 10719
Ion Ratio Lower Upper
84 100
86 66.6 43.5 80.9
49 142.1 91.1 169.1



Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0



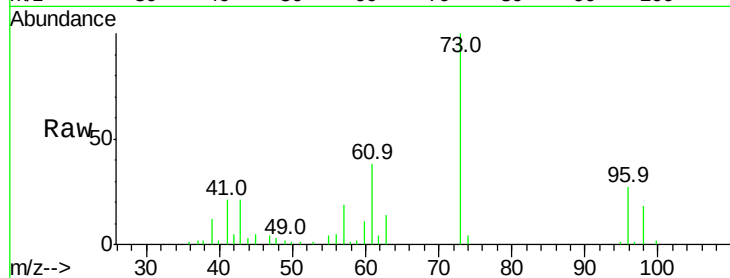


#17

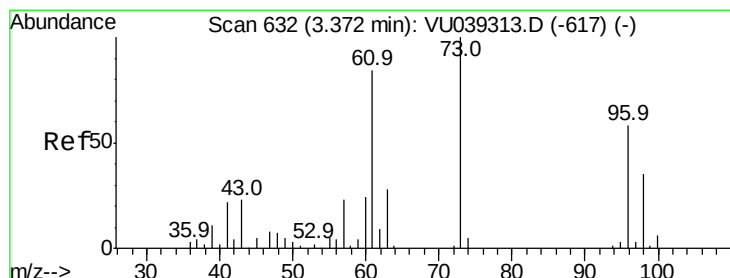
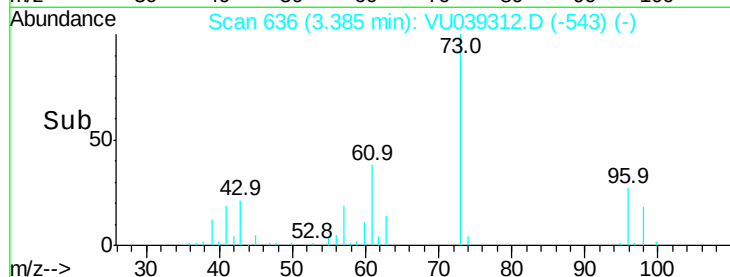
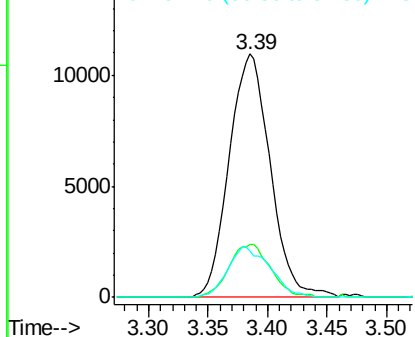
Methyl tert-butyl Ether
 Concen: 1.106 ug/L
 RT: 3.39 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion: 73 Resp: 26246
 Ion Ratio Lower Upper
 73 100
 43 22.2 18.6 28.0
 57 21.3 17.9 26.9



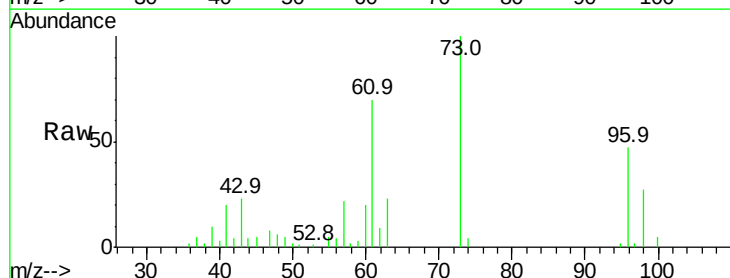
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



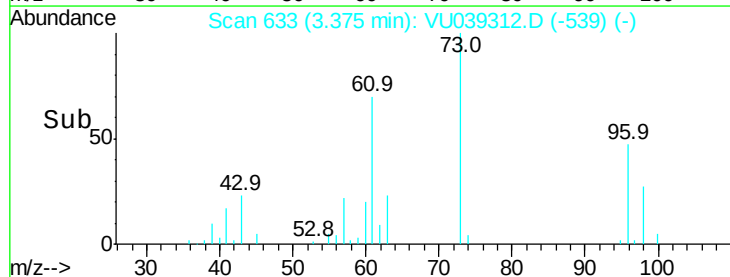
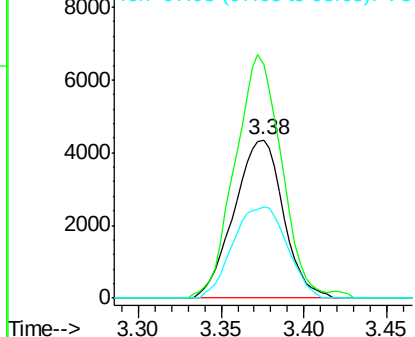
#18

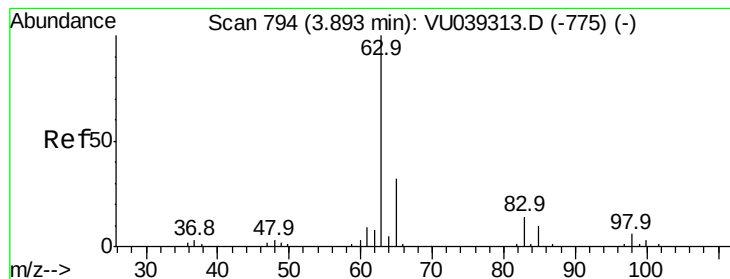
trans-1,2-Dichloroethene
 Concen: 1.146 ug/L
 RT: 3.38 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 96 Resp: 8989
 Ion Ratio Lower Upper
 96 100
 61 147.9 102.1 189.5
 98 57.5 42.5 78.9



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: 1.172 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

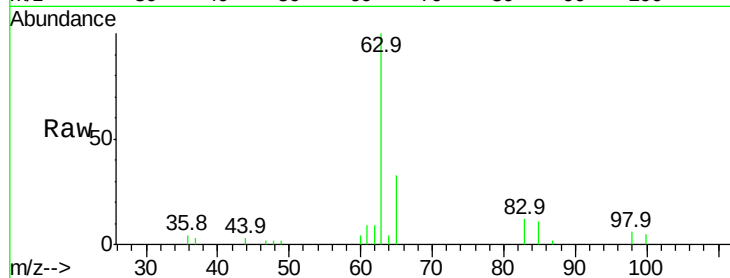
Tgt Ion: 63 Resp: 18414

Ion Ratio Lower Upper

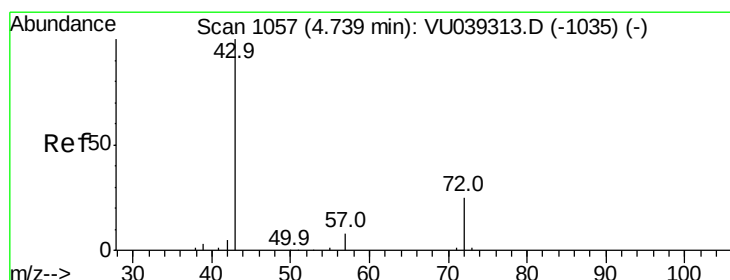
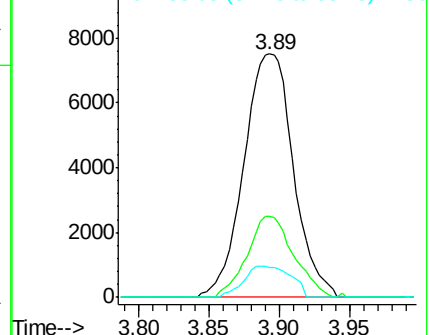
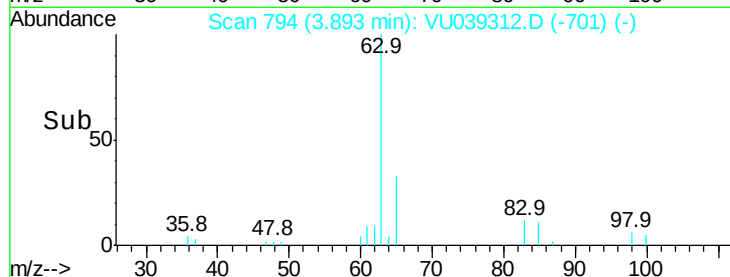
63 100

65 33.2 23.0 42.6

83 12.3 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039312.D (-701) (-)



#21

2-Butanone

Concen: 11.268 ug/L

RT: 4.74 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VU039312.D

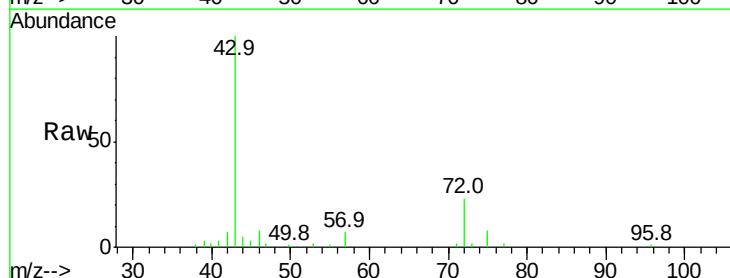
Acq: 07 Jul 2020 13:26

Tgt Ion: 43 Resp: 35815

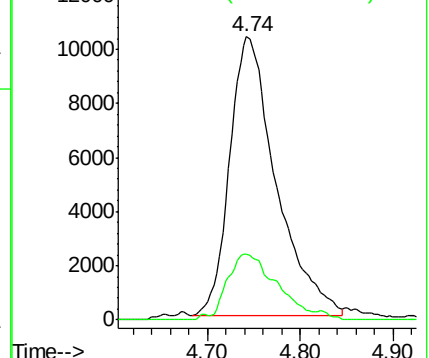
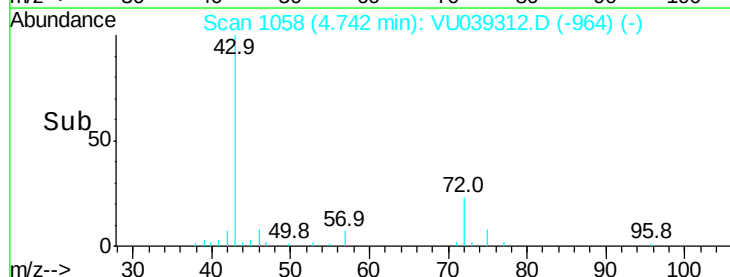
Ion Ratio Lower Upper

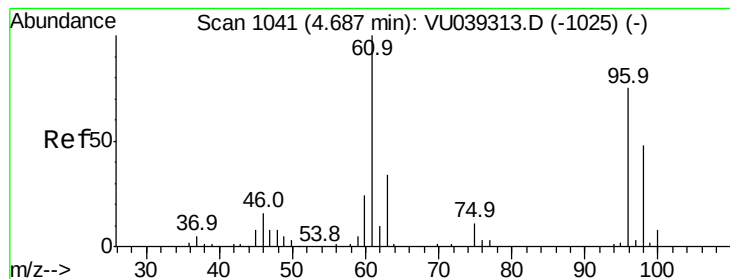
43 100

72 22.8 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039312.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 1.151 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

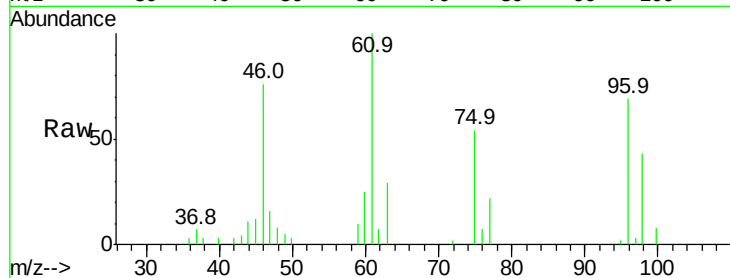
Tgt Ion: 96 Resp: 10285

Ion Ratio Lower Upper

96 100

61 145.3 92.8 172.4

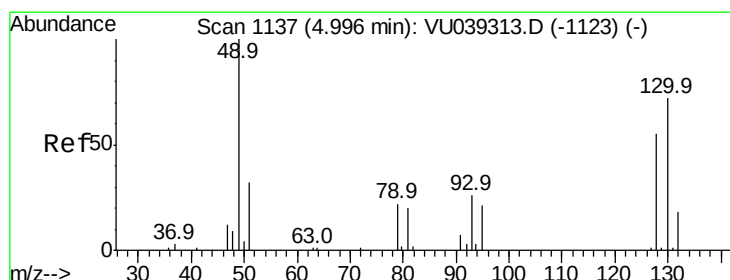
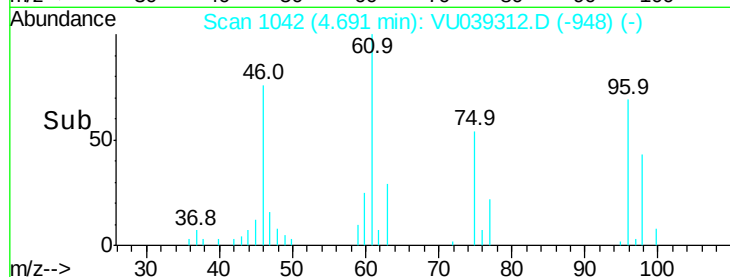
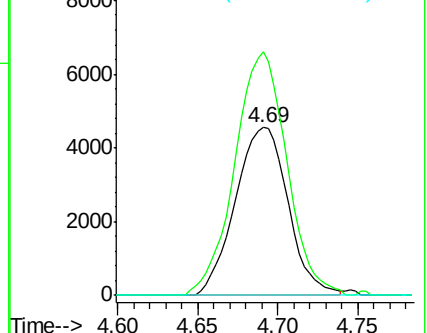
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU039312.D (-1042) (-)

Ion 61.05 (60.75 to 61.75): VU039312.D (-1042) (-)

Ion 68.15 (67.85 to 68.85): VU039312.D (-1042) (-)



#23

Bromochloromethane

Concen: 1.218 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Tgt Ion: 128 Resp: 4903

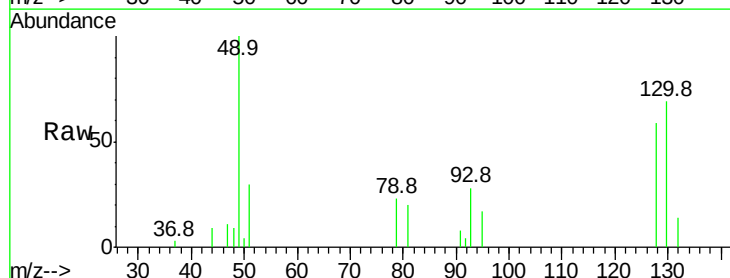
Ion Ratio Lower Upper

128 100

49 169.6 128.5 238.7

130 117.8 91.5 169.9

51 50.2 47.0 70.6

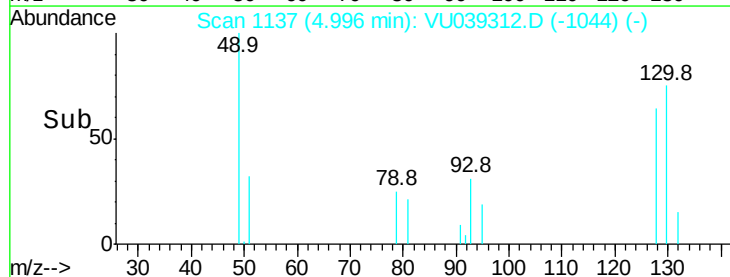
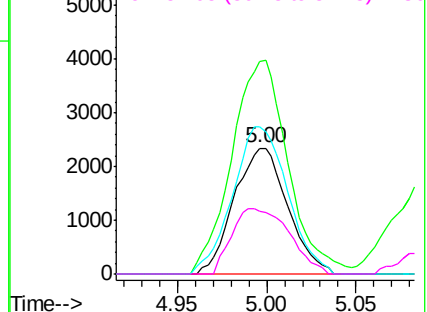


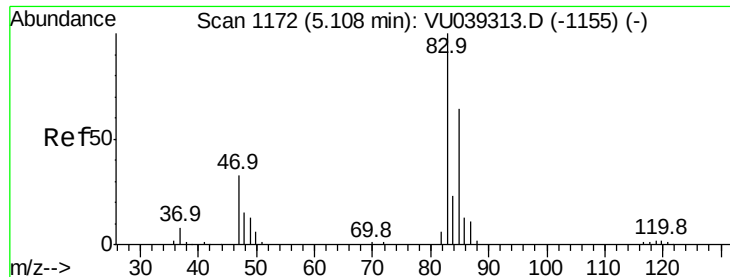
Abundance Ion 127.90 (127.60 to 128.60): VU039312.D (-1044) (-)

Ion 49.10 (48.80 to 49.80): VU039312.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039312.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039312.D (-1044) (-)





#25

Chloroform

Concen: 1.130 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

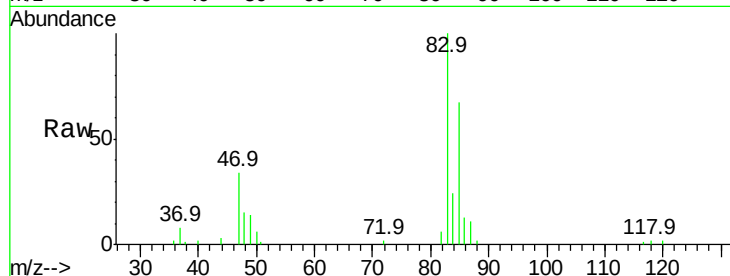
VSTD00106

Tgt Ion: 83 Resp: 18496

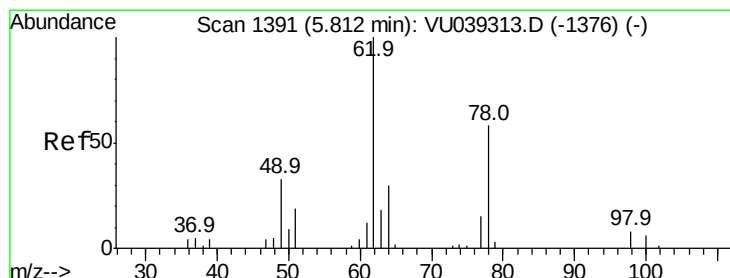
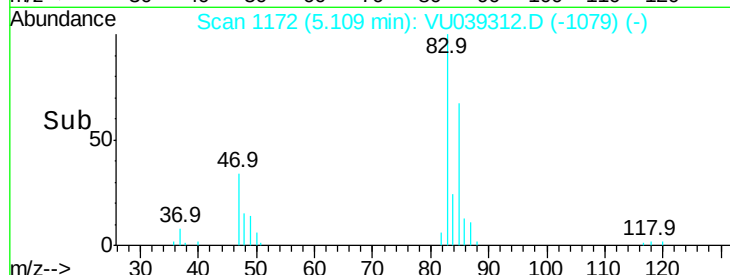
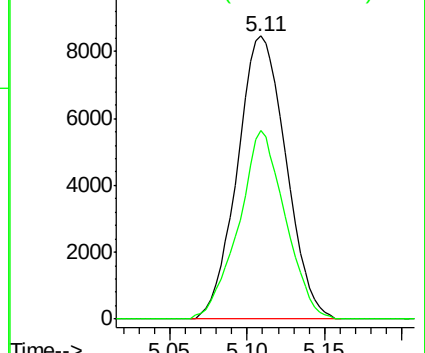
Ion Ratio Lower Upper

83 100

85 66.6 44.9 83.5



Abundance Ion 83.05 (82.75 to 83.75): VU039312.D (-1079) (-)



#27

1,2-Dichloroethane

Concen: 1.129 ug/L

RT: 5.81 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VU039312.D

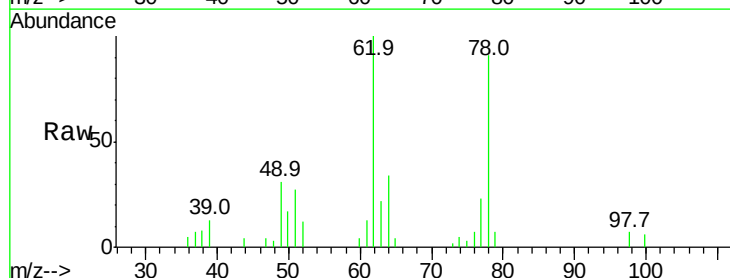
Acq: 07 Jul 2020 13:26

Tgt Ion: 62 Resp: 13308

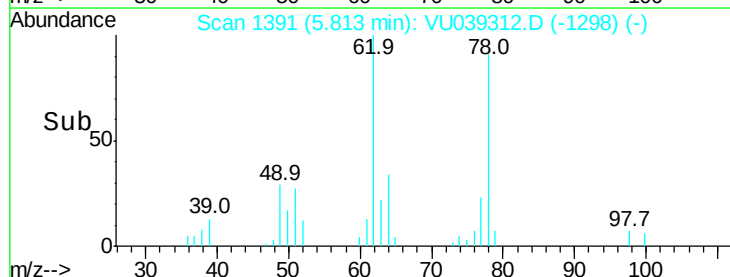
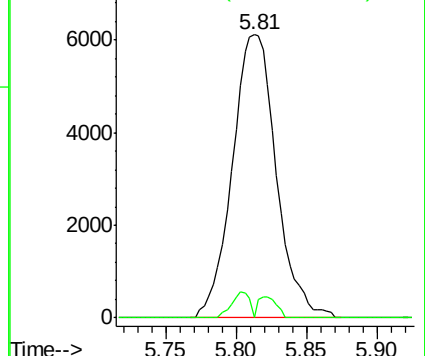
Ion Ratio Lower Upper

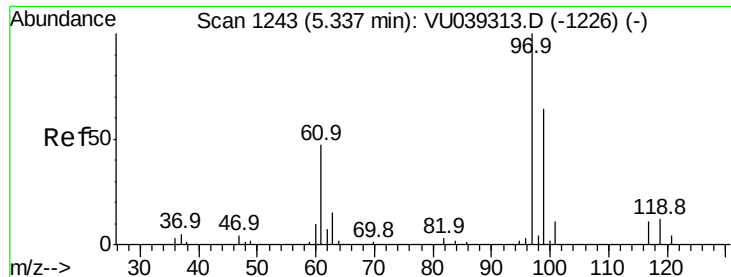
62 100

98 0.0 6.3 9.5#



Abundance Ion 62.00 (61.70 to 62.70): VU039312.D (-1298) (-)

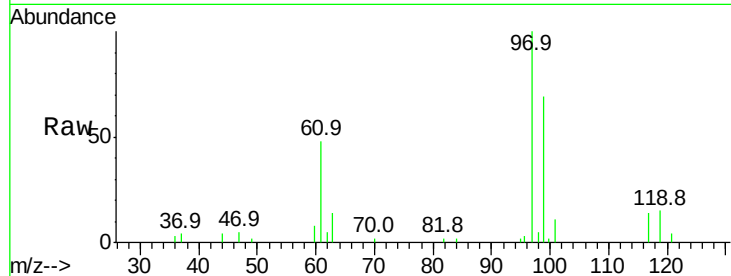




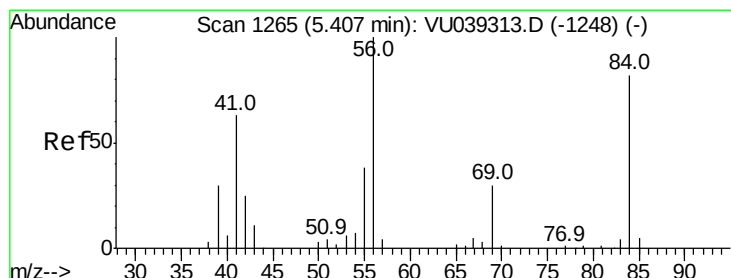
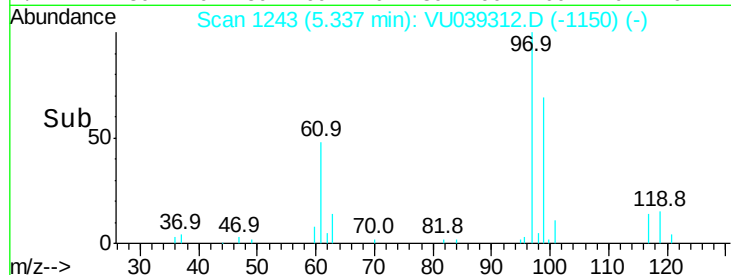
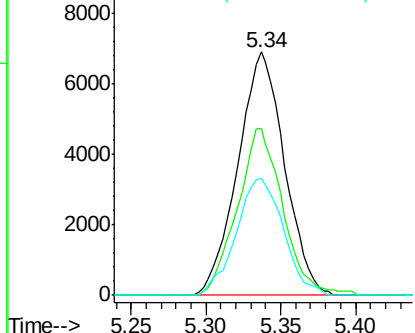
#29
1,1,1-Trichloroethane
Concen: 1.104 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion: 97 Resp: 14964
Ion Ratio Lower Upper
97 100
99 66.9 52.6 79.0
61 48.6 37.9 56.9

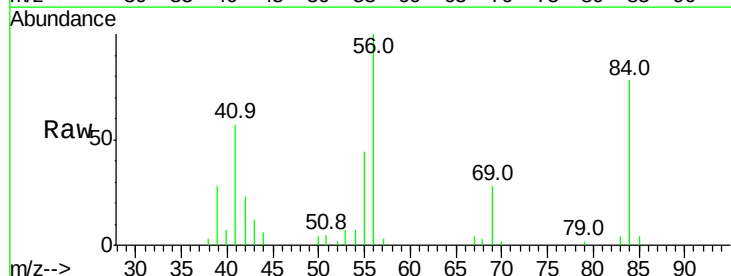


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

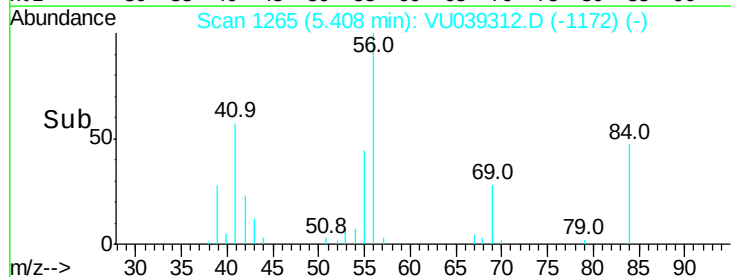
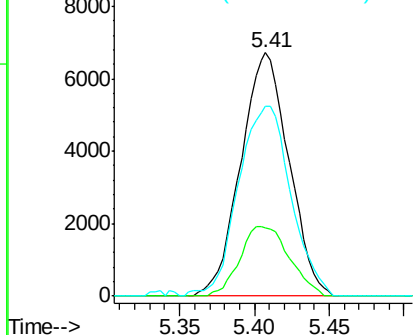


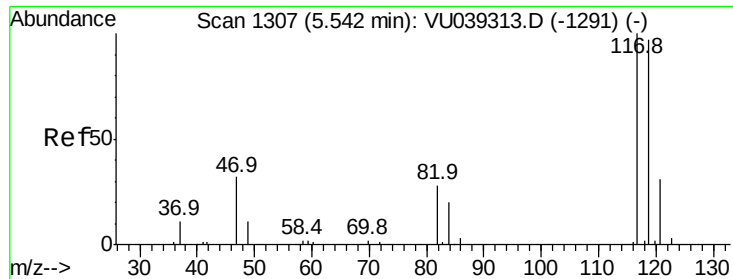
#30
Cyclohexane
Concen: 1.107 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Tgt Ion: 56 Resp: 15021
Ion Ratio Lower Upper
56 100
69 29.3 24.1 36.1
84 85.1 67.0 100.6



Abundance Ion 56.10 (55.80 to 56.80): VU0
Ion 69.15 (68.85 to 69.85): VU0
Ion 84.15 (83.85 to 84.85): VU0





#31

Carbon tetrachloride

Concen: 1.117 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

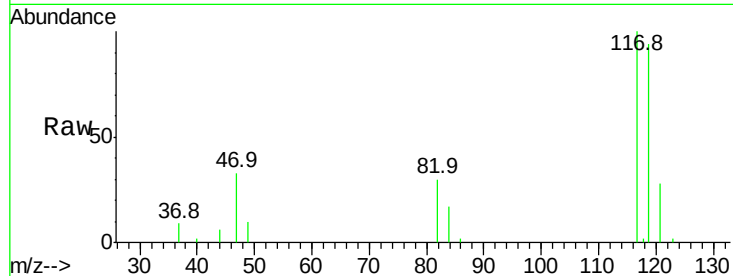
VSTD00106

Tgt Ion:117 Resp: 12731

Ion Ratio Lower Upper

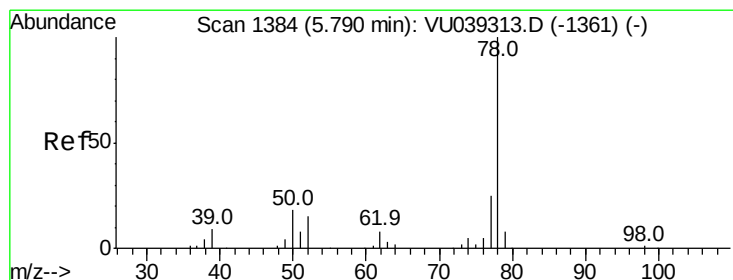
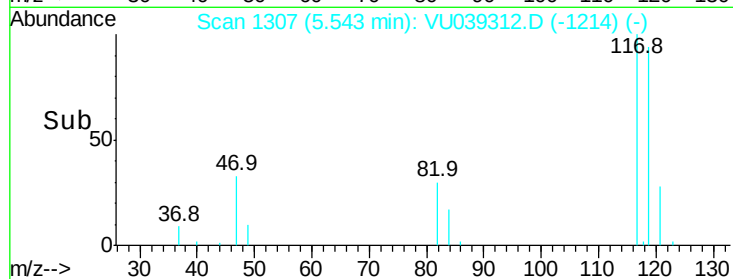
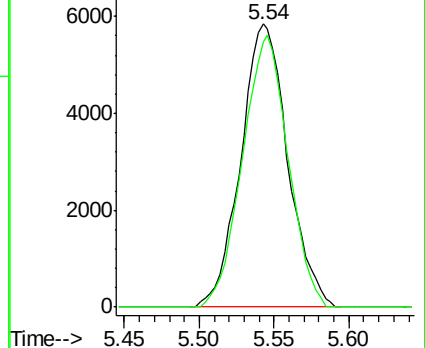
117 100

119 93.2 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.169 ug/L

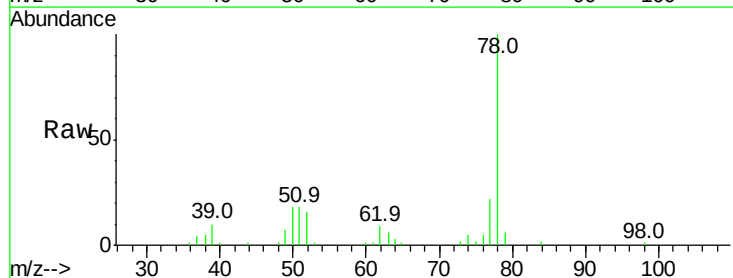
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

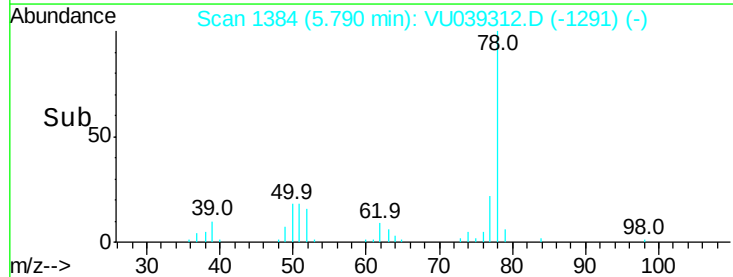
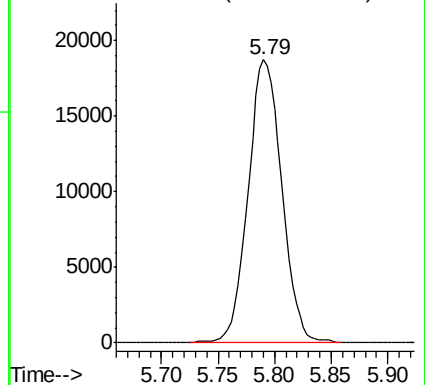
Lab File: VU039312.D

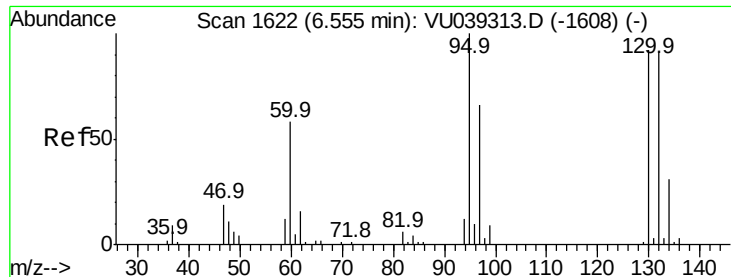
Acq: 07 Jul 2020 13:26

Tgt Ion: 78 Resp: 38889



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 1.145 ug/L

RT: 6.56 min Scan# 1623

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

Tgt Ion: 95 Resp: 9820

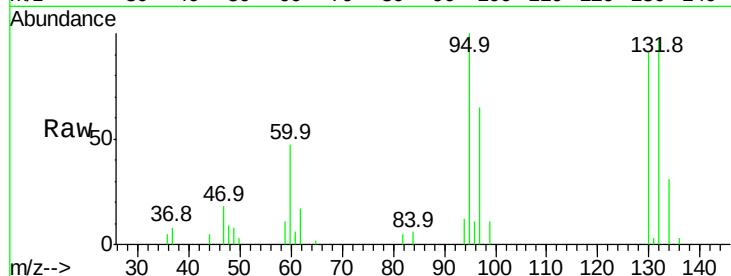
Ion Ratio Lower Upper

95 100

97 65.5 46.3 85.9

132 97.0 64.0 118.8

130 90.8 64.3 119.5

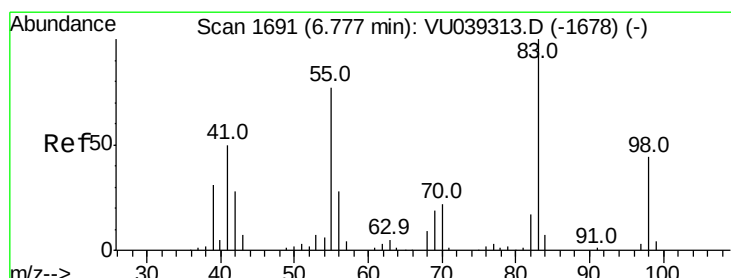
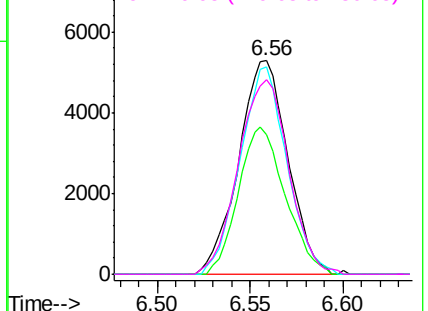
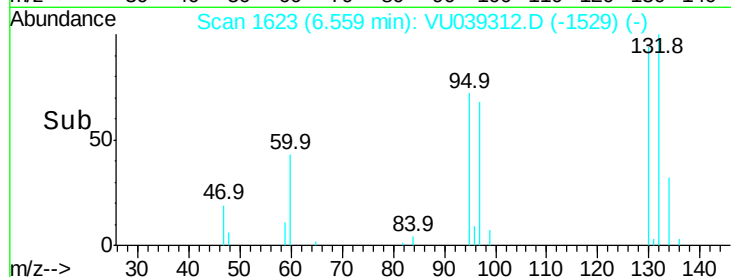


Abundance Ion 95.00 (94.70 to 95.70): VU039312.D (-1529) (-)

Ion 96.95 (96.65 to 97.65): VU039312.D (-1529) (-)

Ion 131.95 (131.65 to 132.65): VU039312.D (-1529) (-)

Ion 129.95 (129.65 to 130.65): VU039312.D (-1529) (-)



#35

Methylcyclohexane

Concen: 1.062 ug/L

RT: 6.78 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

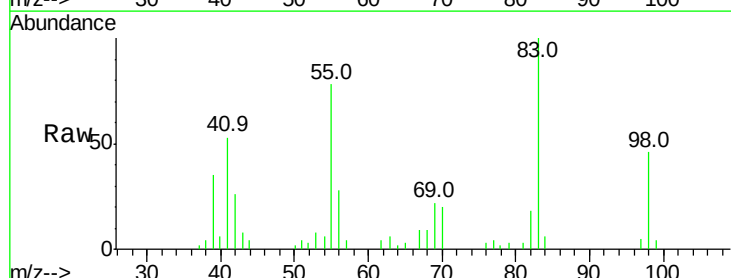
Tgt Ion: 83 Resp: 14578

Ion Ratio Lower Upper

83 100

55 80.0 62.1 93.1

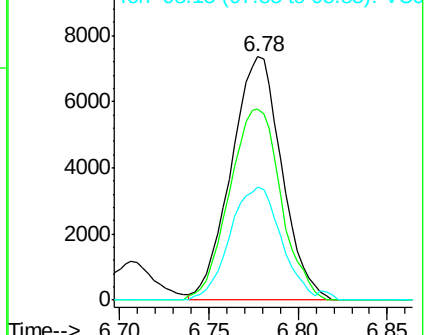
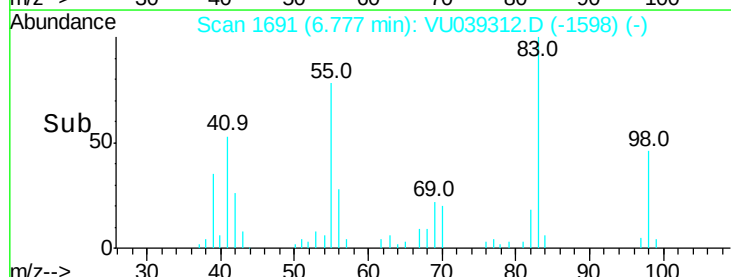
98 46.8 35.9 53.9

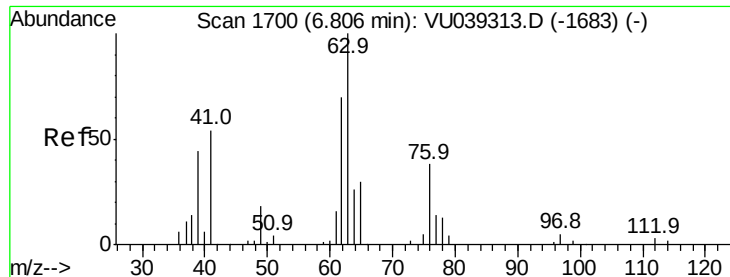


Abundance Ion 83.15 (82.85 to 83.85): VU039312.D (-1598) (-)

Ion 55.10 (54.80 to 55.80): VU039312.D (-1598) (-)

Ion 98.15 (97.85 to 98.85): VU039312.D (-1598) (-)

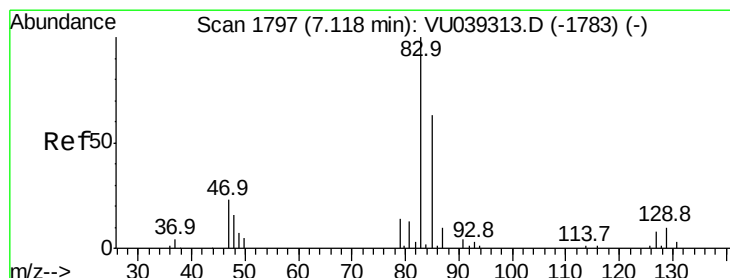
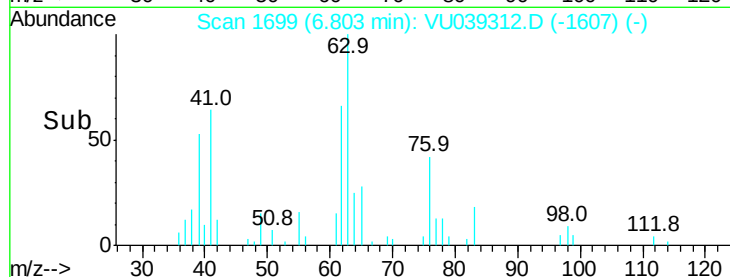
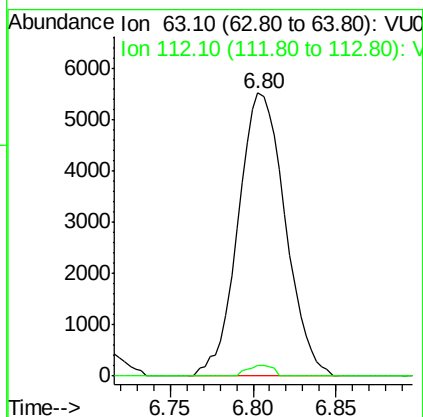
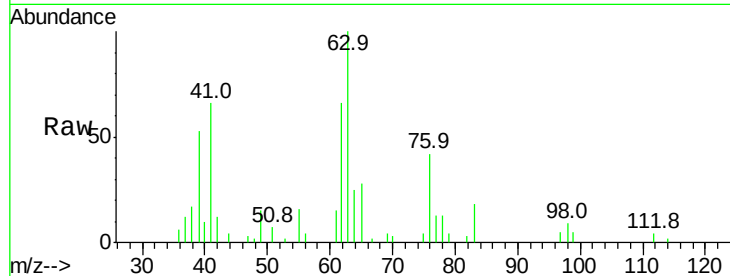




#37
 1,2-Dichloropropane
 Concen: 1.171 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

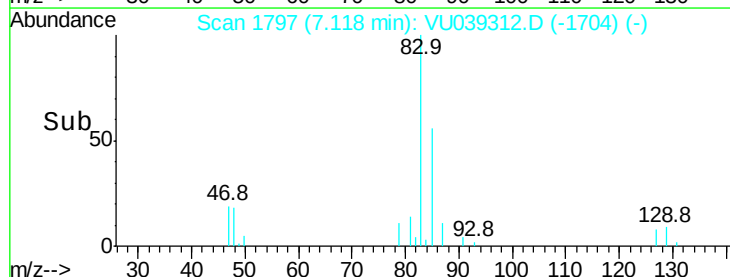
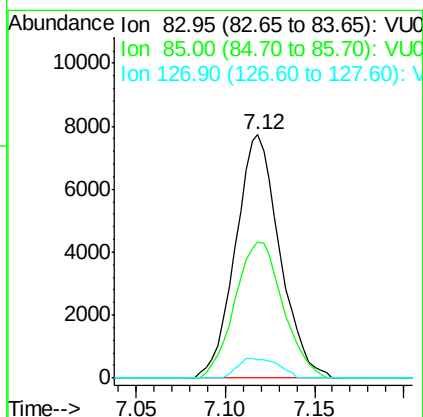
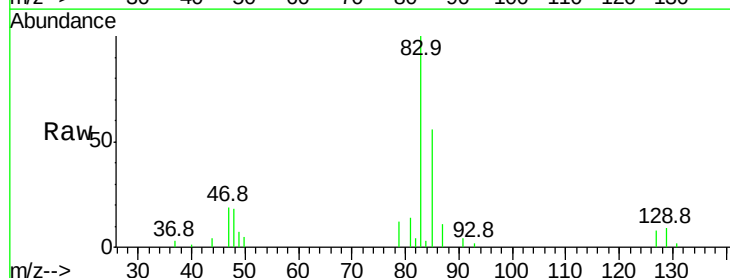
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

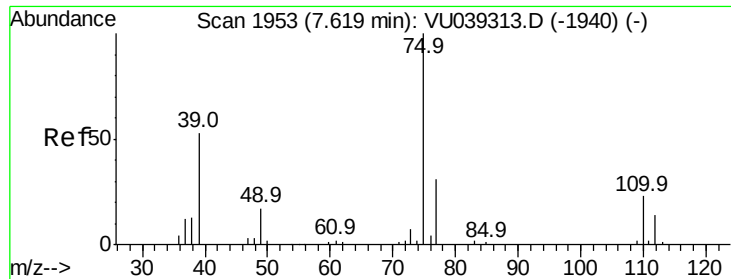
Tgt Ion: 63 Resp: 10863
 Ion Ratio Lower Upper
 63 100
 112 2.0 2.5 3.7#



#38
 Bromodichloromethane
 Concen: 1.103 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 83 Resp: 13336
 Ion Ratio Lower Upper
 83 100
 85 55.9 44.0 81.6
 127 7.7 6.2 9.4

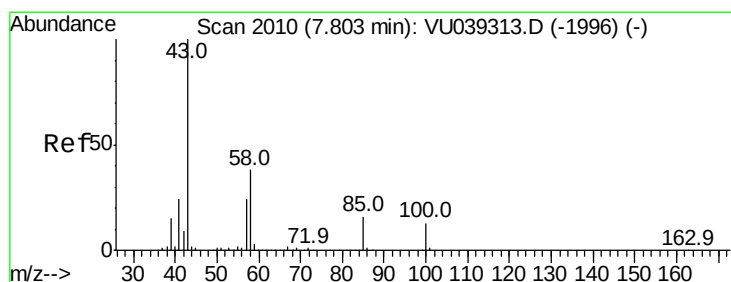
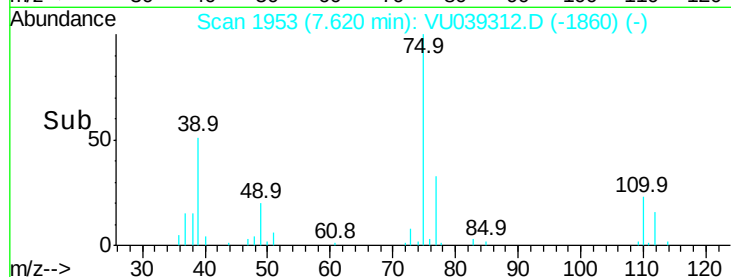
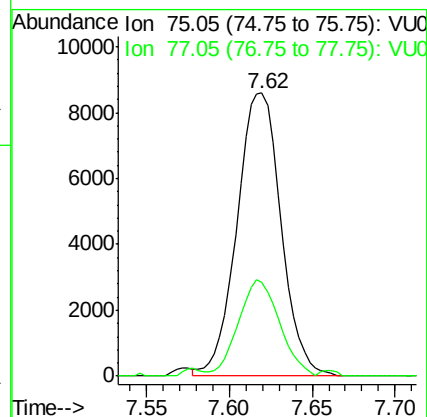
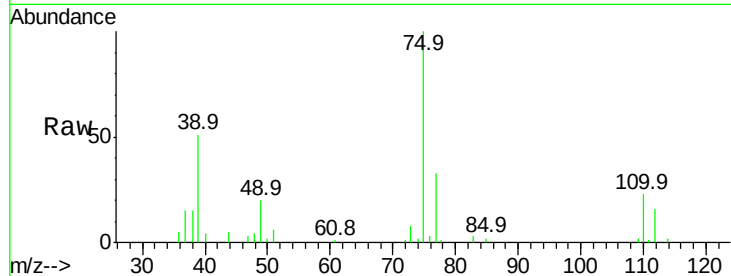




#39
 cis-1,3-Dichloropropene
 Concen: 1.104 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

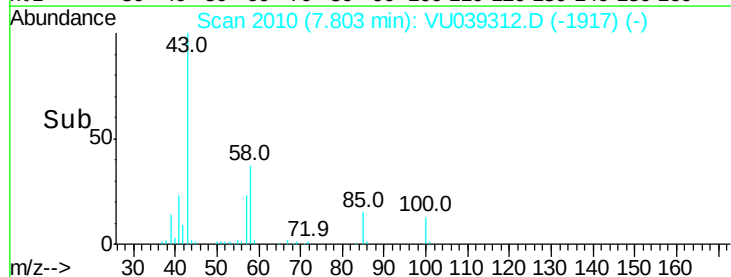
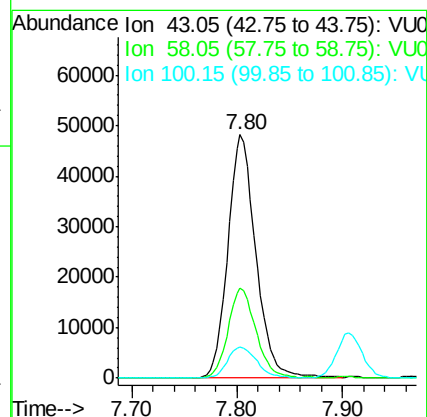
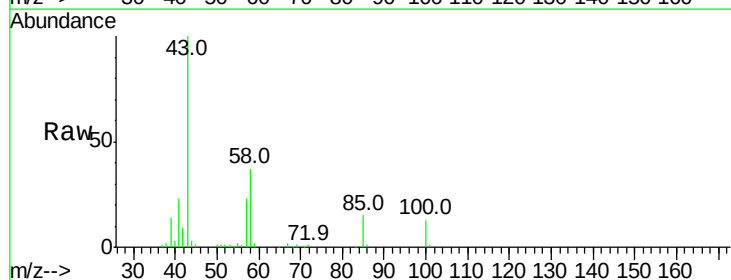
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

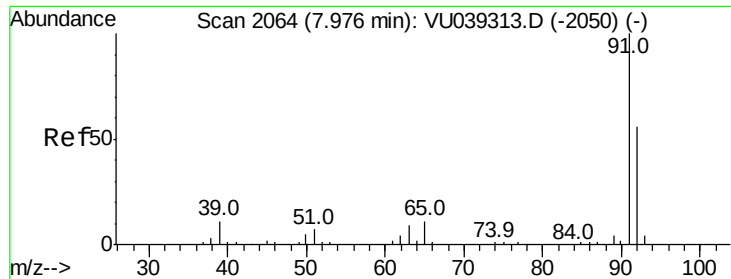
Tgt Ion: 75 Resp: 15923
 Ion Ratio Lower Upper
 75 100
 77 33.0 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 11.265 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 43 Resp: 88451
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.5 45.7
 100 13.4 10.3 15.5





#42

Toluene

Concen: 1.124 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

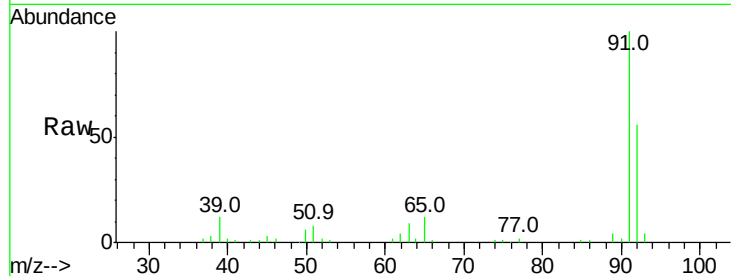
VSTD00106

Tgt Ion: 91 Resp: 40670

Ion Ratio Lower Upper

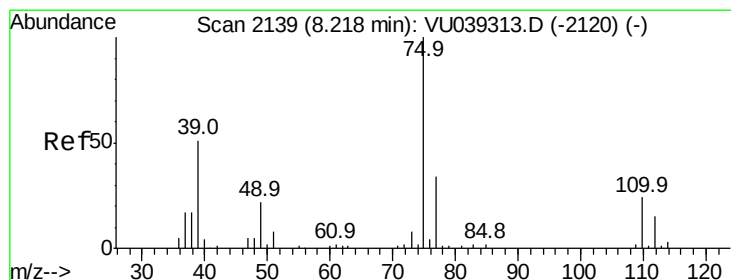
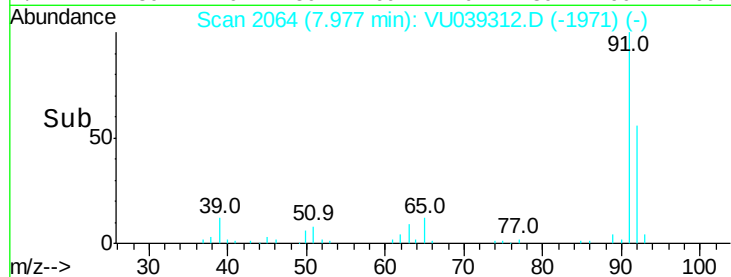
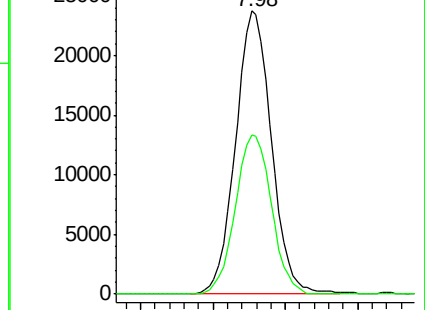
91 100

92 56.2 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039313.D (-2050) (-)

Ion 92.15 (91.85 to 92.85): VU039313.D (-2050) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.050 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039312.D

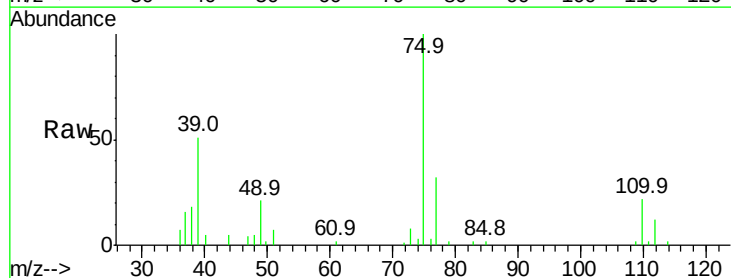
Acq: 07 Jul 2020 13:26

Tgt Ion: 75 Resp: 13641

Ion Ratio Lower Upper

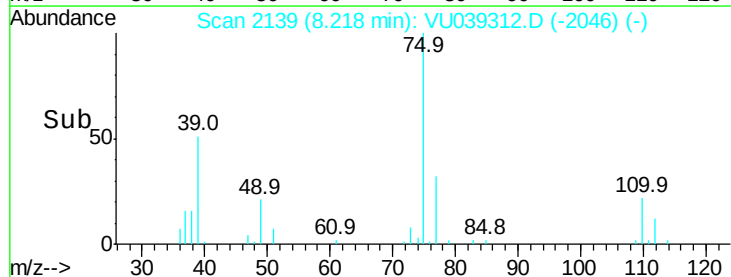
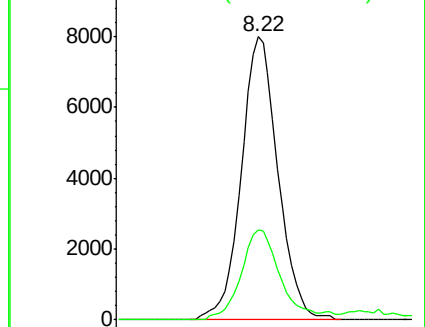
75 100

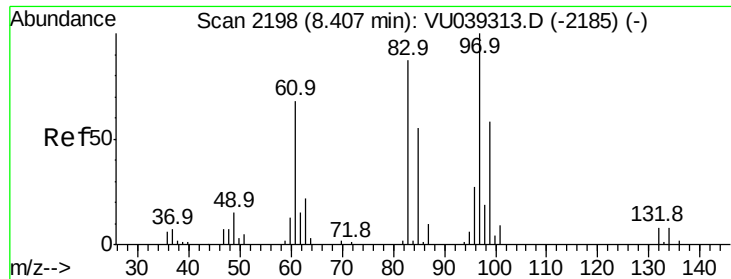
77 31.7 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039313.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU039313.D (-2120) (-)

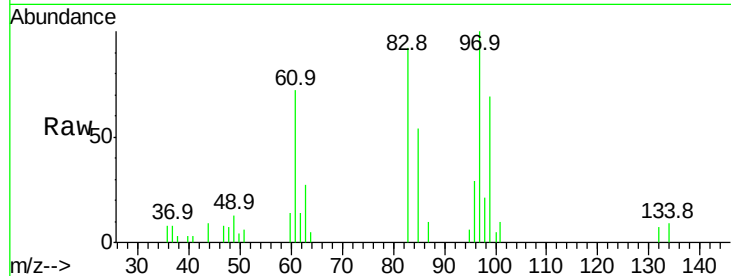




#45
 1,1,2-Trichloroethane
 Concen: 1.056 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:	97	Resp:	7287
Ion	Ratio	Lower	Upper
97	100		
99	69.0	40.7	75.7
83	92.3	60.6	112.6
85	53.7	38.3	71.1

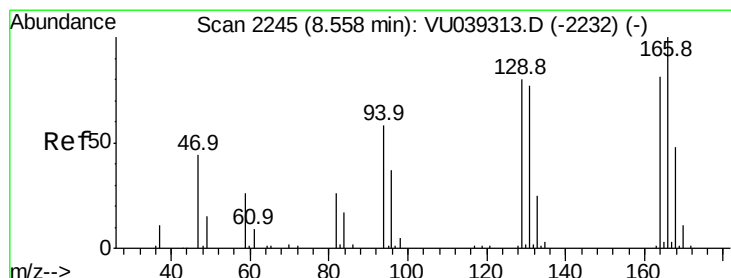
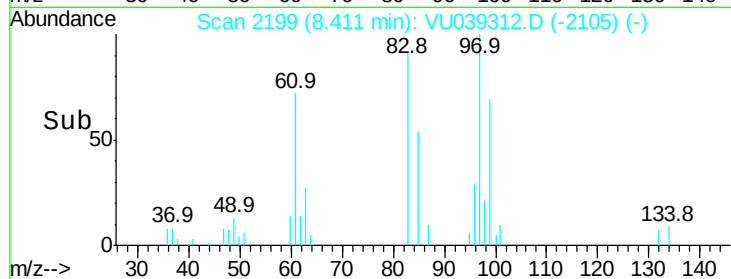
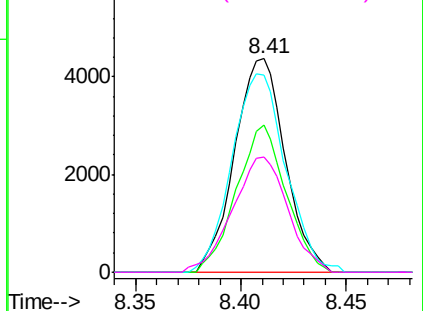


Abundance Ion 96.95 (96.65 to 97.65): VU039312.D (-2198) (-)

Ion 99.05 (98.75 to 99.75): VU039312.D (-2198) (-)

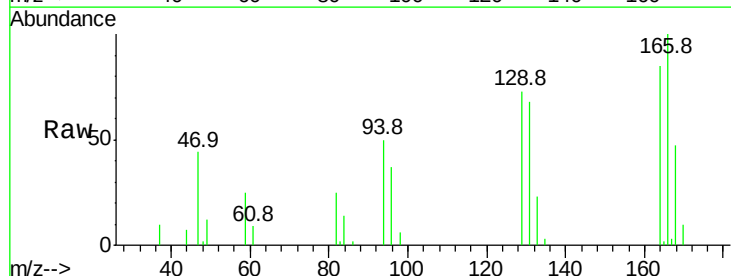
Ion 82.95 (82.65 to 83.65): VU039312.D (-2198) (-)

Ion 85.00 (84.70 to 85.70): VU039312.D (-2198) (-)



#47
 Tetrachloroethene
 Concen: 1.117 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion:	164	Resp:	6728
Ion	Ratio	Lower	Upper
164	100		
129	85.8	68.6	127.4
131	79.9	66.4	123.4
166	117.0	85.9	159.5

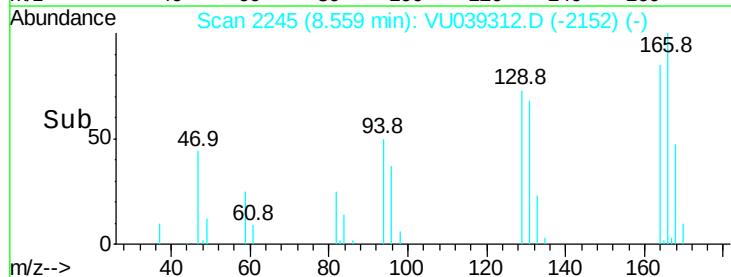
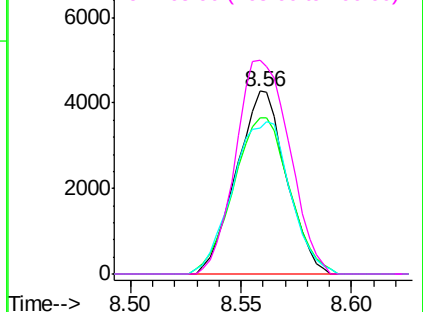


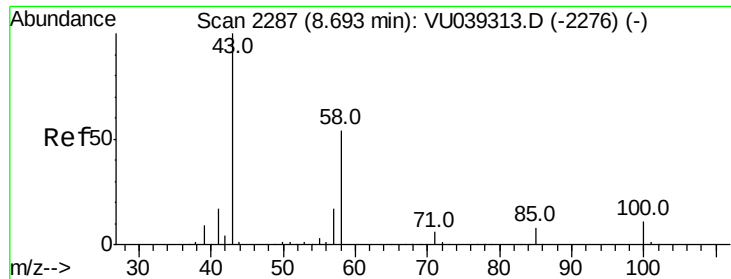
Abundance Ion 163.90 (163.60 to 164.60): VU039312.D (-2245) (-)

Ion 128.95 (128.65 to 129.65): VU039312.D (-2245) (-)

Ion 130.95 (130.65 to 131.65): VU039312.D (-2245) (-)

Ion 165.90 (165.60 to 166.60): VU039312.D (-2245) (-)

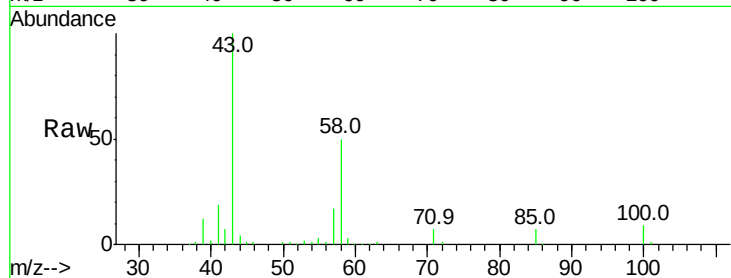




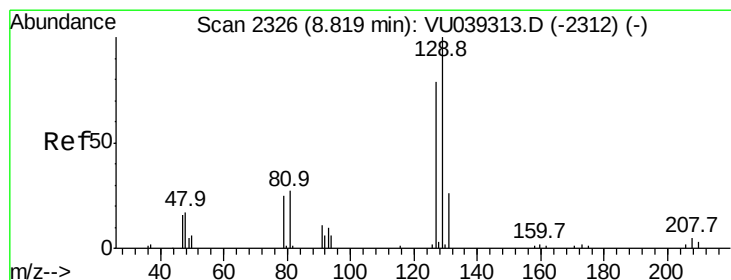
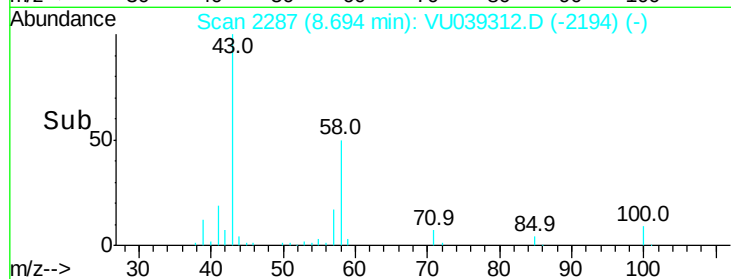
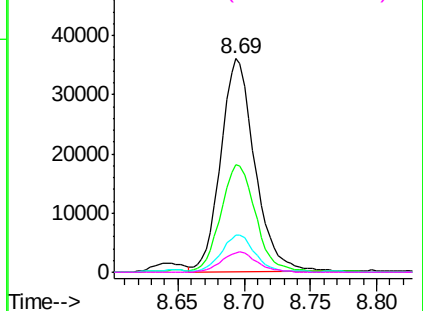
#48
2-Hexanone
Concen: 11.015 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion: 43 Resp: 64320
Ion Ratio Lower Upper
43 100
58 50.6 42.0 63.0
57 16.4 14.0 21.0
100 9.7 8.2 12.2

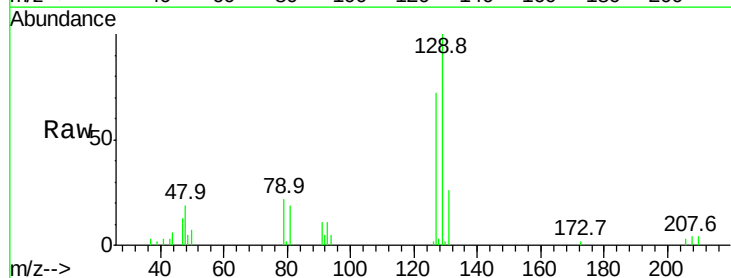


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

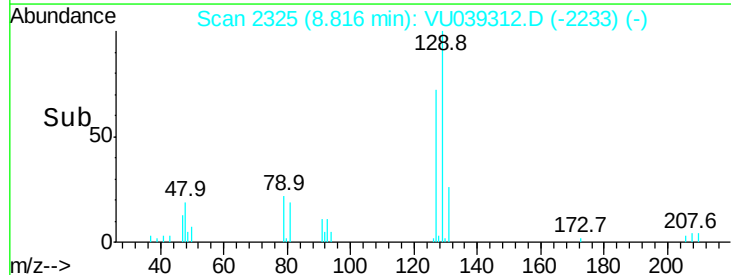
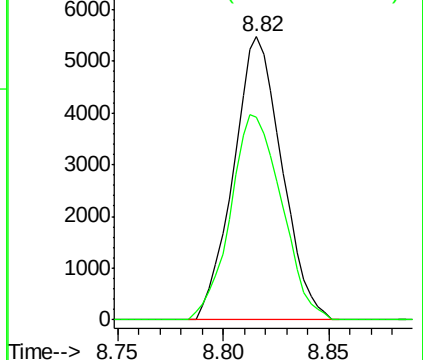


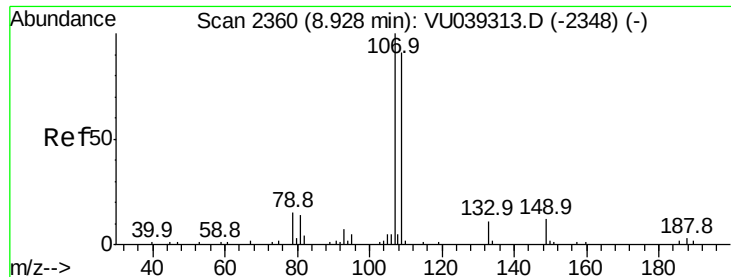
#49
Dibromochloromethane
Concen: 1.007 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Tgt Ion: 129 Resp: 8721
Ion Ratio Lower Upper
129 100
127 71.6 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

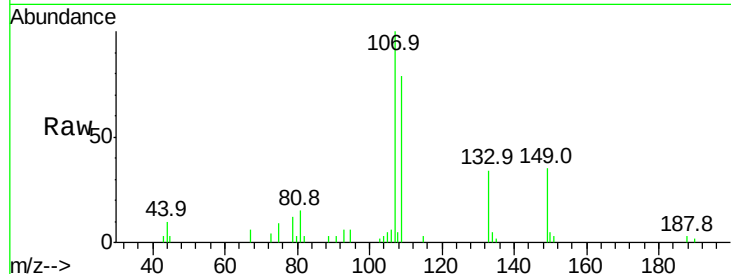




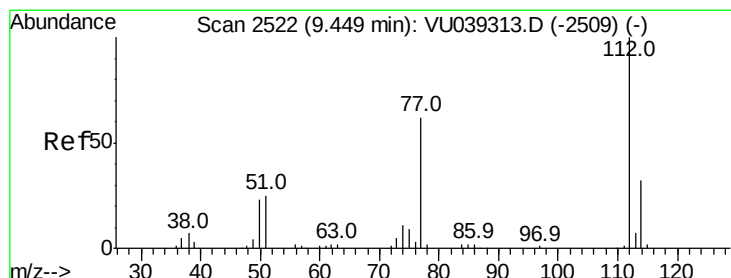
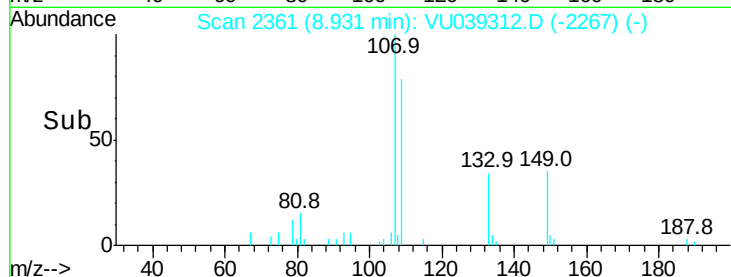
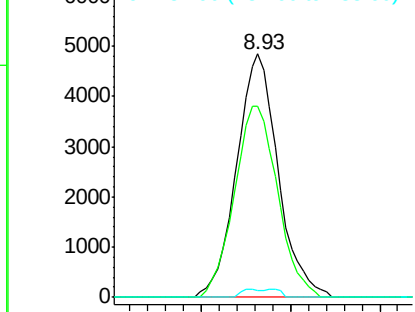
#50
1,2-Dibromoethane
Concen: 1.129 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Instrument :
MSVOA_U
ClientSampleId :
VSTD00106

Tgt Ion:107 Resp: 7833
Ion Ratio Lower Upper
107 100
109 78.8 64.0 118.8
188 2.7 2.6 3.8

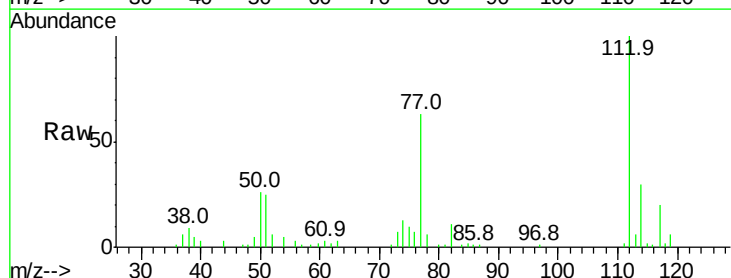


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

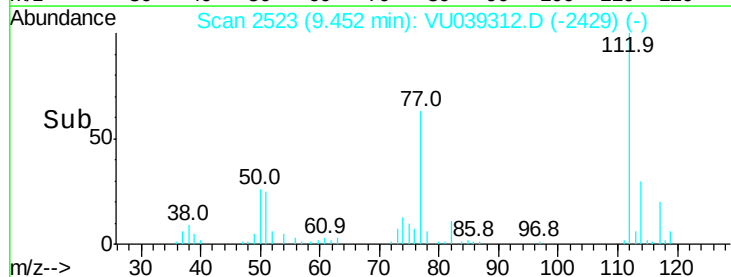
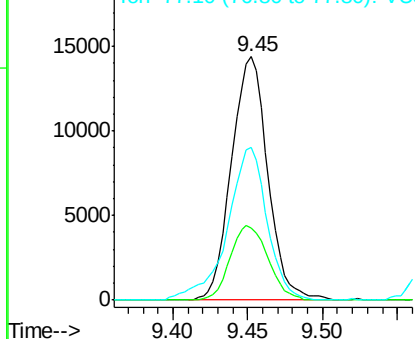


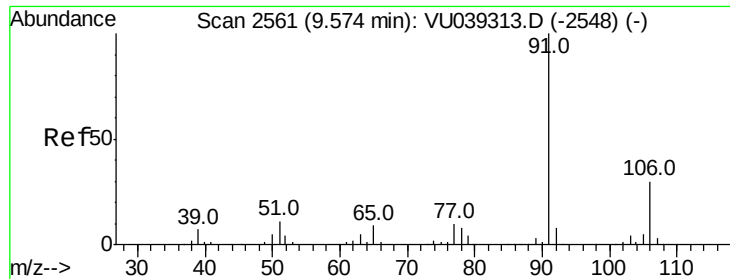
#51
Chlorobenzene
Concen: 1.086 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. 0.00 min
Lab File: VU039312.D
Acq: 07 Jul 2020 13:26

Tgt Ion:112 Resp: 24314
Ion Ratio Lower Upper
112 100
114 29.5 22.1 41.1
77 62.7 49.9 74.9



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: 1.061 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

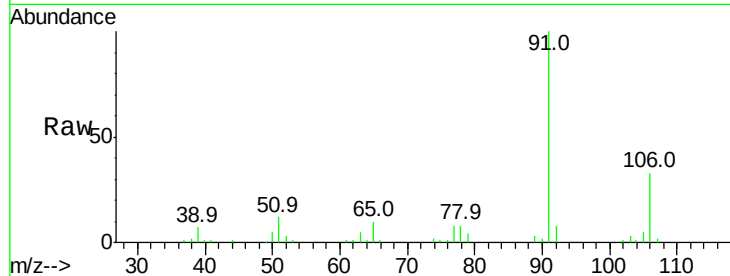
VSTD00106

Tgt Ion: 91 Resp: 42727

Ion Ratio Lower Upper

91 100

106 32.9 21.3 39.6

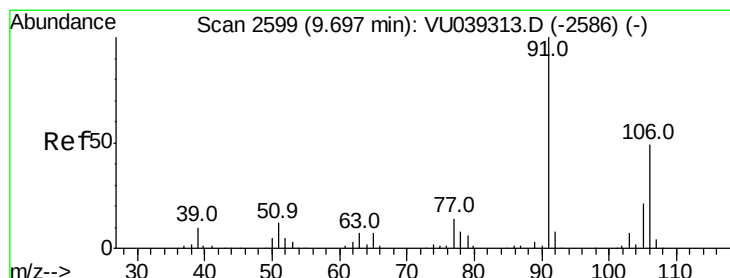
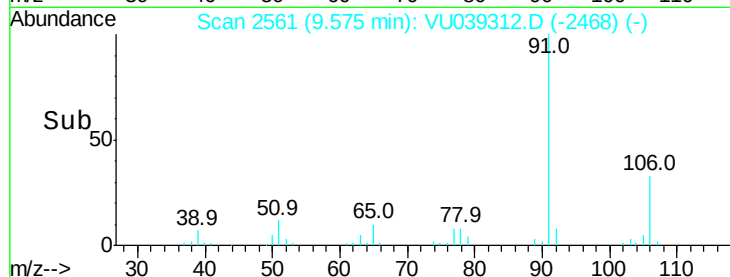


Abundance Ion 91.15 (90.85 to 91.85): VU039313.D (-2548) (-)

Ion 106.15 (105.85 to 106.85): VU039313.D (-2548) (-)

9.57

Time-->



#53

m,p-Xylene

Concen: 1.049 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039312.D

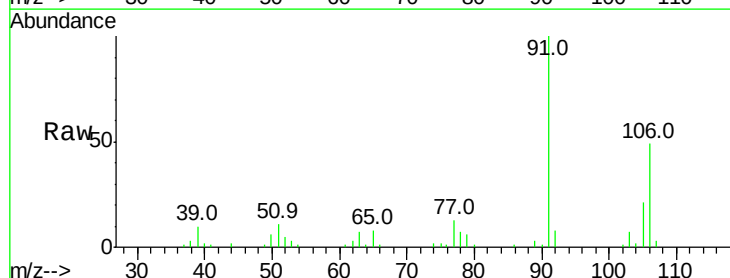
Acq: 07 Jul 2020 13:26

Tgt Ion: 106 Resp: 15941

Ion Ratio Lower Upper

106 100

91 204.2 144.0 267.4

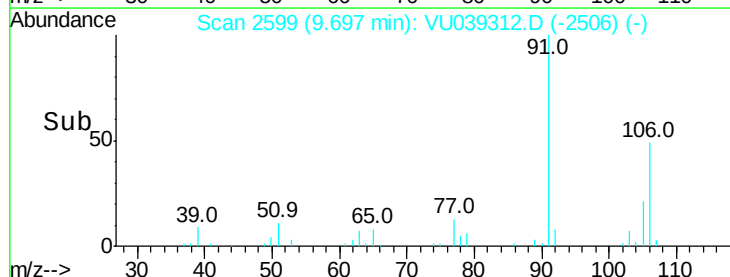


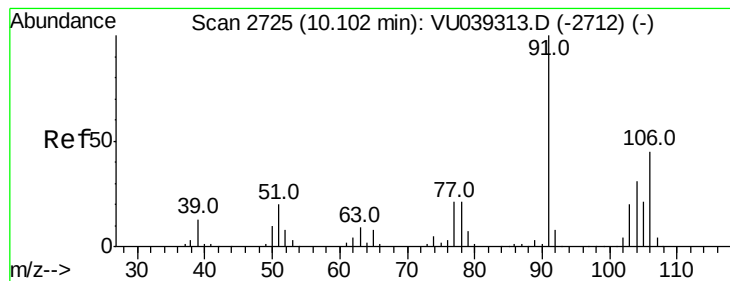
Abundance Ion 106.15 (105.85 to 106.85): VU039313.D (-2586) (-)

Ion 91.15 (90.85 to 91.85): VU039313.D (-2586) (-)

9.70

Time-->





#54

o-Xylene

Concen: 1.041 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

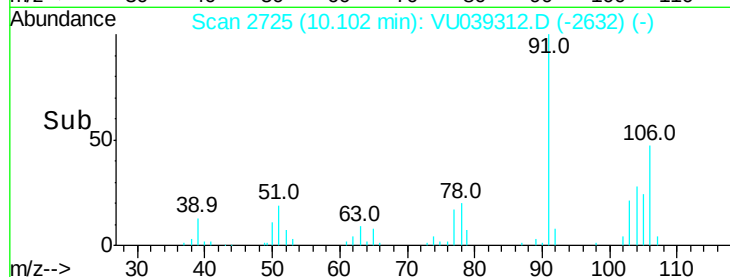
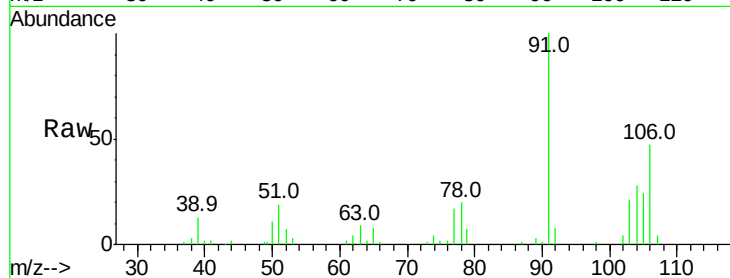
VSTD00106

Tgt Ion:106 Resp: 15677

Ion Ratio Lower Upper

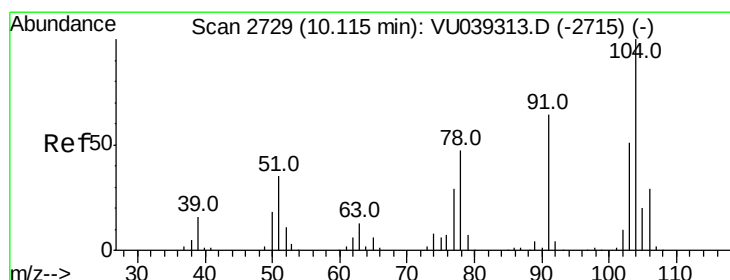
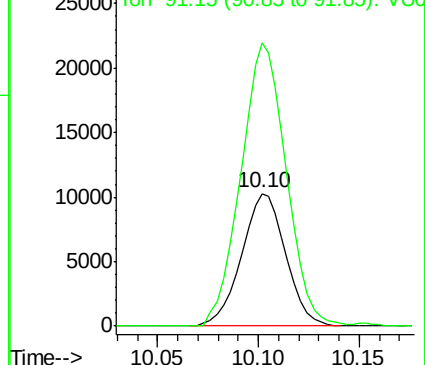
106 100

91 213.9 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 1.003 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039312.D

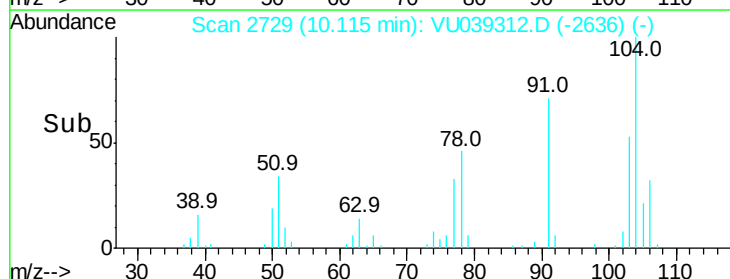
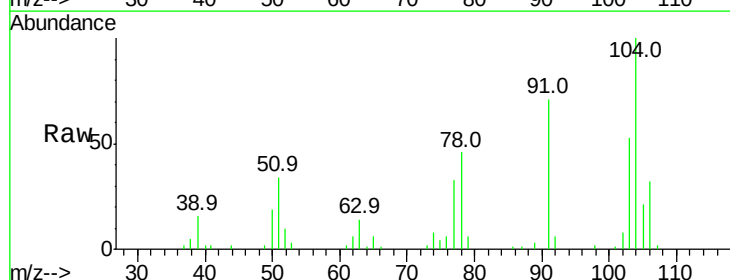
Acq: 07 Jul 2020 13:26

Tgt Ion:104 Resp: 26414

Ion Ratio Lower Upper

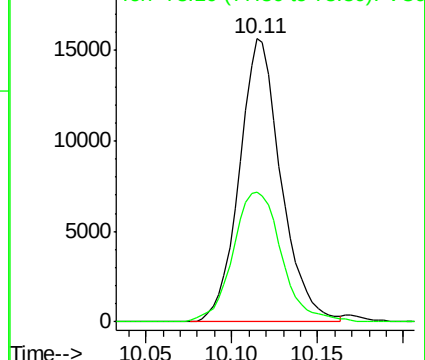
104 100

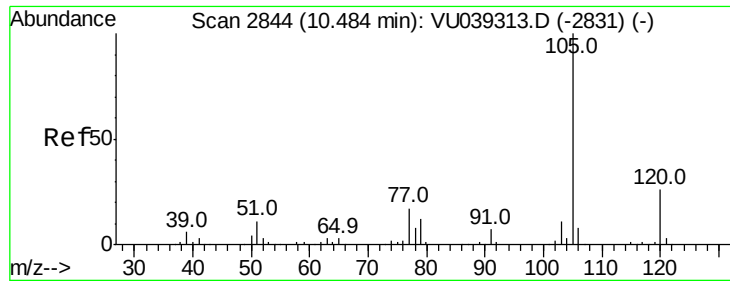
78 46.1 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 1.018 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

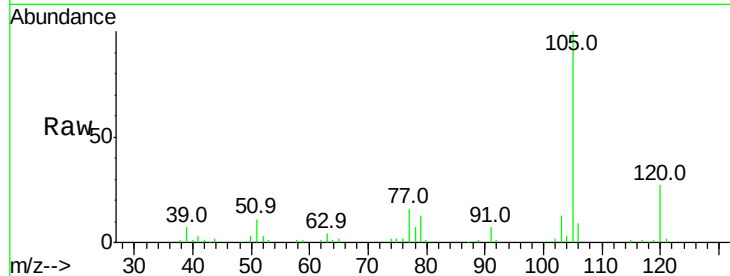
Tgt Ion: 105 Resp: 41540

Ion Ratio Lower Upper

105 100

120 26.3 20.7 31.1

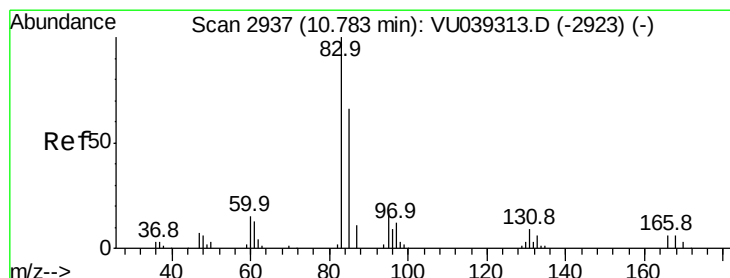
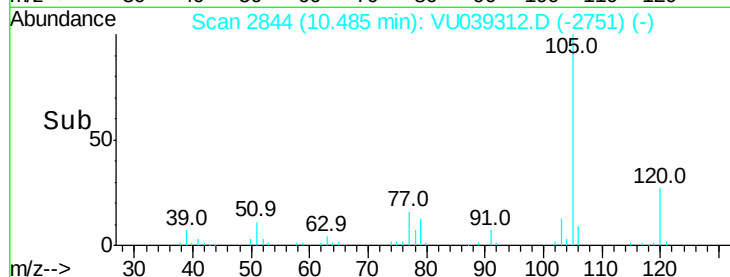
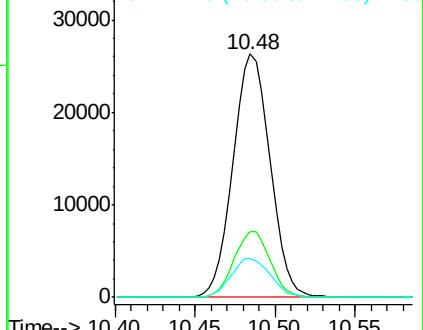
77 16.8 13.9 20.9



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: 1.068 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

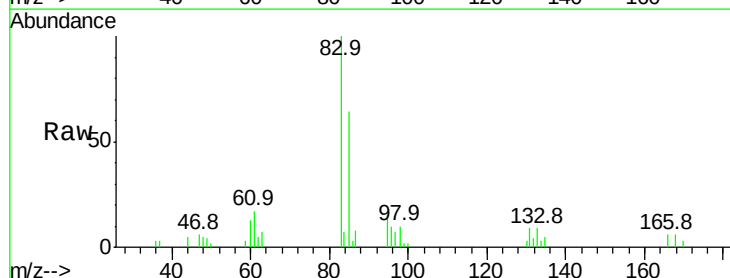
Tgt Ion: 83 Resp: 10411

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.7

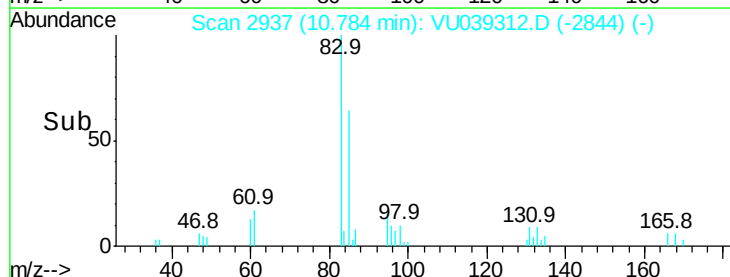
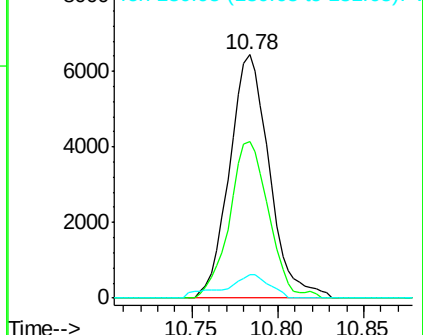
131 9.4 7.4 11.0

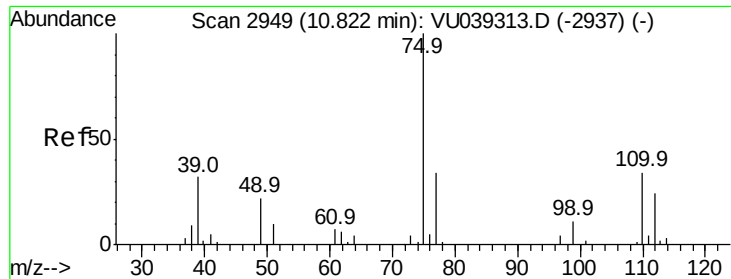


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

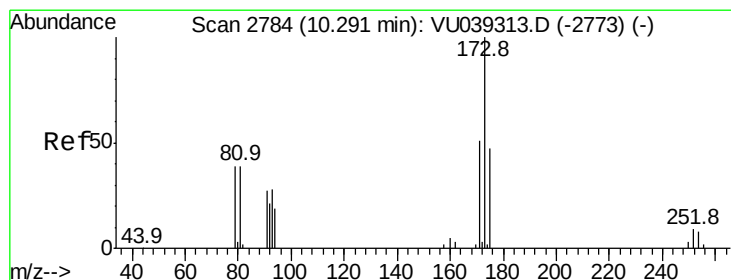
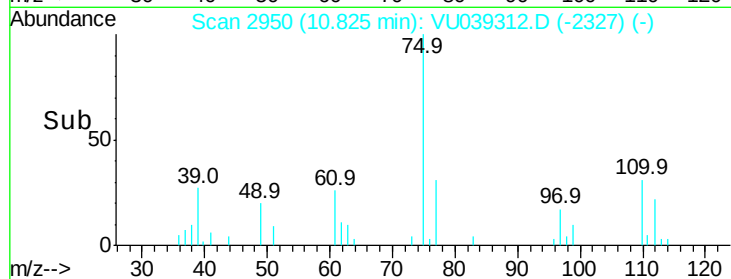
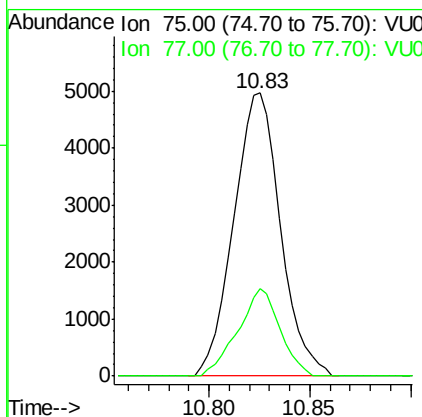
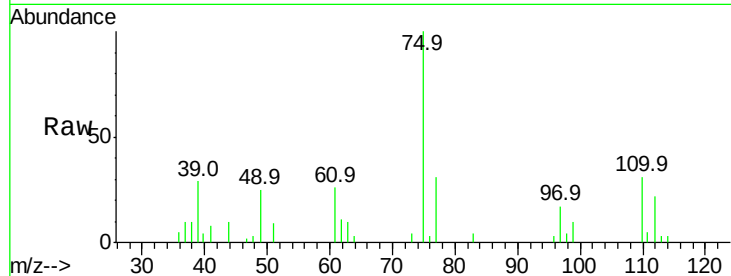




#59
 1,2,3-Trichloropropane
 Concen: 1.156 ug/L
 RT: 10.83 min Scan# 2950
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

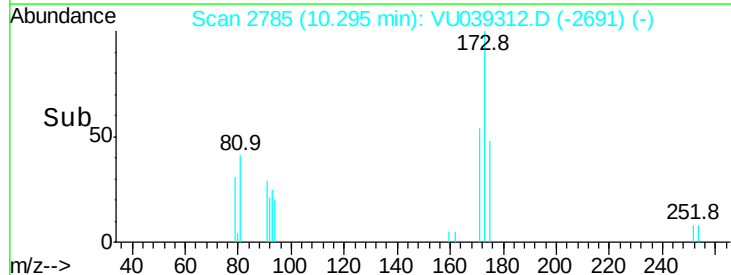
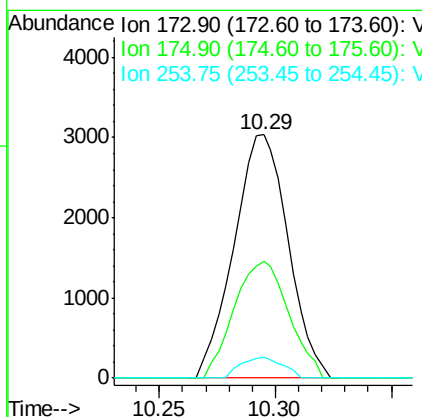
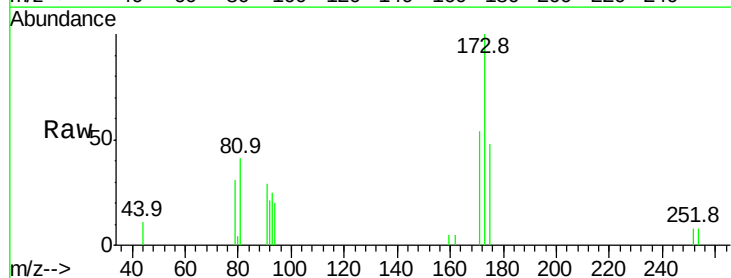
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

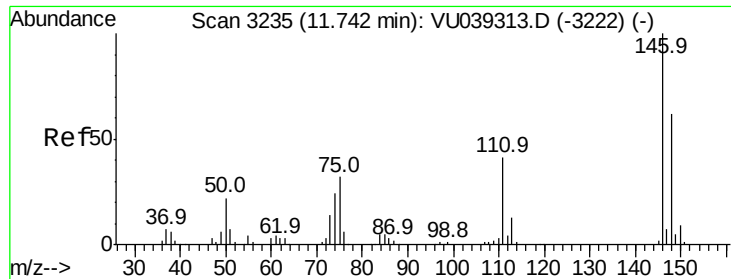
Tgt Ion: 75 Resp: 8059
 Ion Ratio Lower Upper
 75 100
 77 27.7 26.8 40.2



#61
 Bromoform
 Concen: 0.988 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 173 Resp: 4920
 Ion Ratio Lower Upper
 173 100
 175 48.3 37.5 56.3
 254 6.5 6.7 10.1#

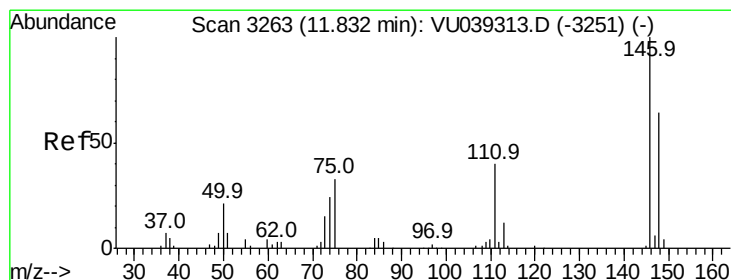
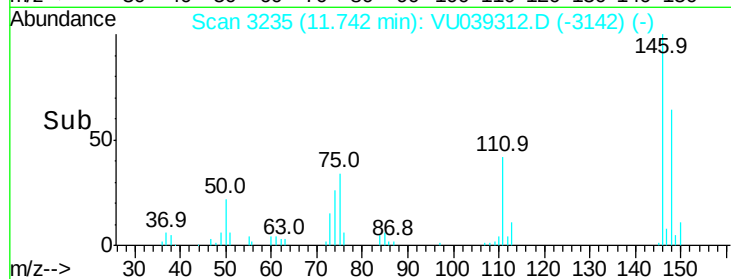
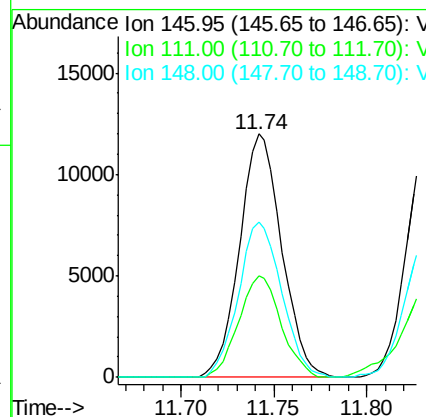
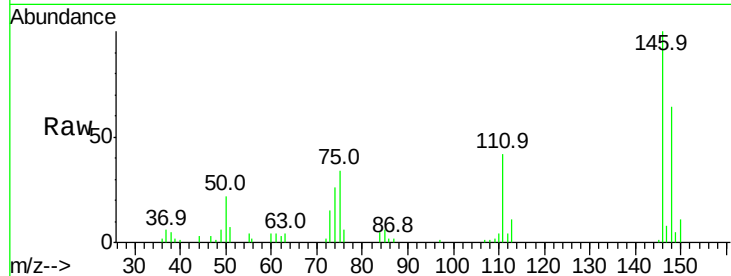




#62
 1,3-Dichlorobenzene
 Concen: 1.077 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

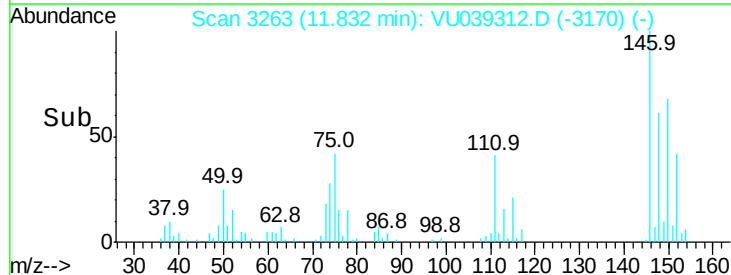
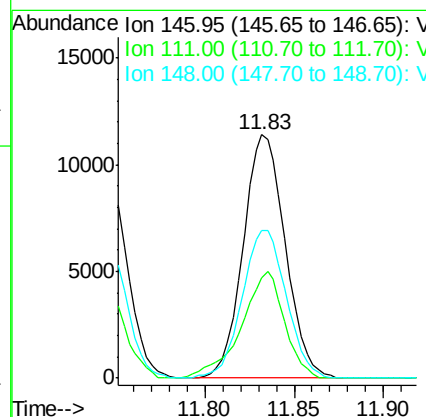
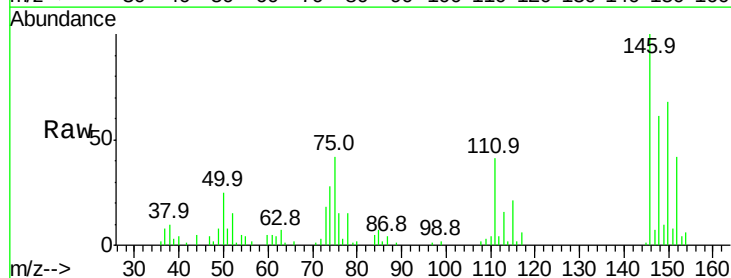
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

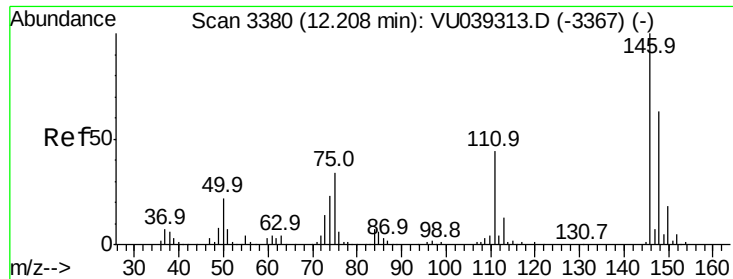
Tgt Ion:146 Resp: 18901
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.0 53.8
 148 64.0 43.5 80.9



#63
 1,4-Dichlorobenzene
 Concen: 1.090 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion:146 Resp: 18787
 Ion Ratio Lower Upper
 146 100
 111 41.3 28.6 53.0
 148 60.6 45.0 83.6

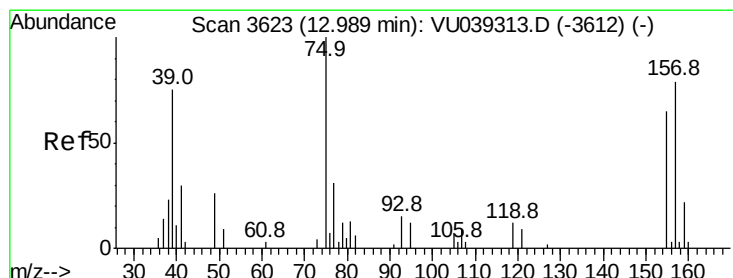
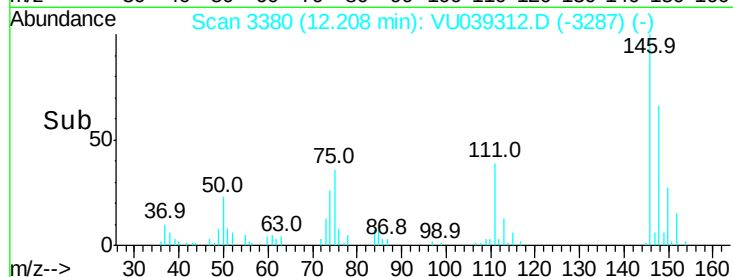
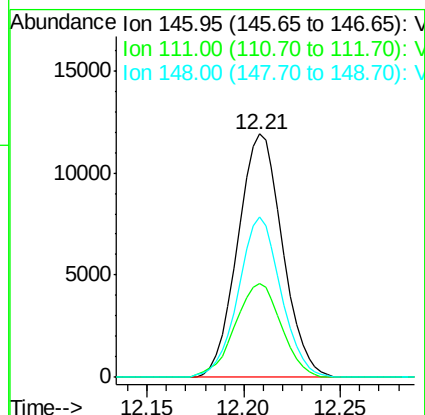
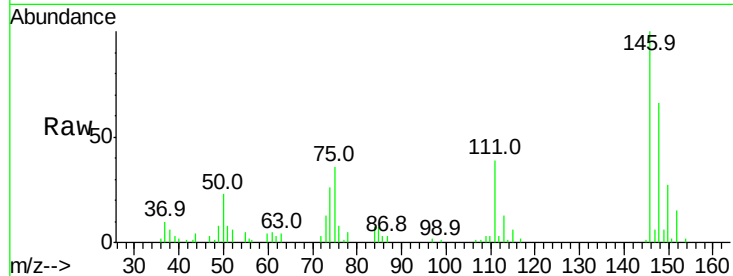




#65
 1,2-Dichlorobenzene
 Concen: 1.112 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

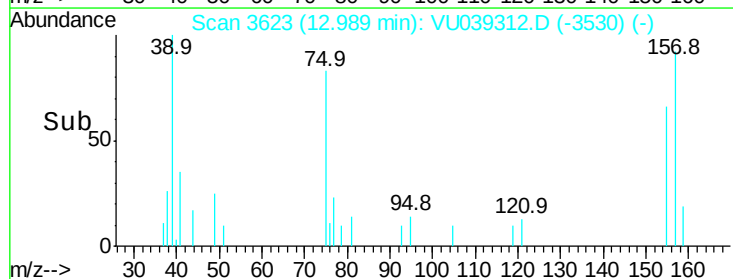
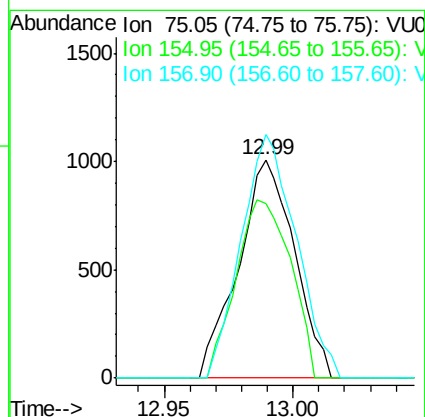
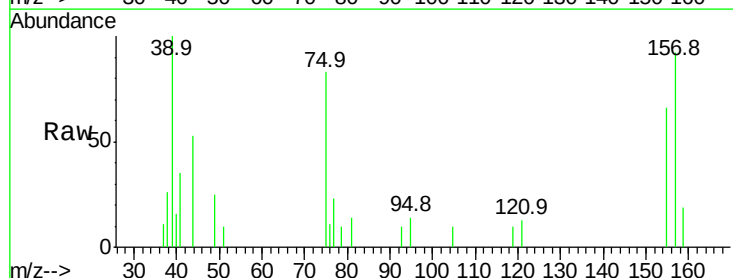
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

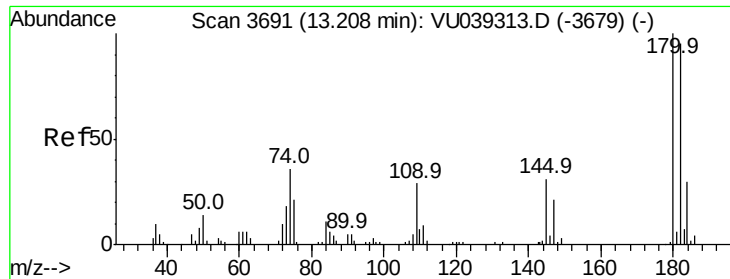
Tgt Ion: 146 Resp: 19120
 Ion Ratio Lower Upper
 146 100
 111 38.8 35.0 52.4
 148 65.7 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.891 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion: 75 Resp: 1527
 Ion Ratio Lower Upper
 75 100
 155 80.0 51.9 77.9#
 157 111.6 63.2 94.8#

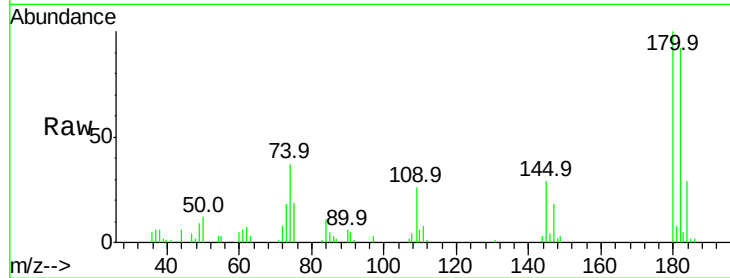




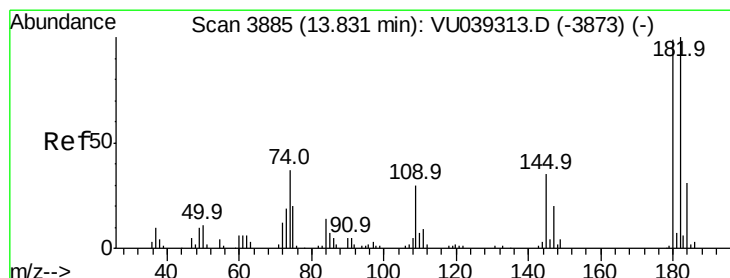
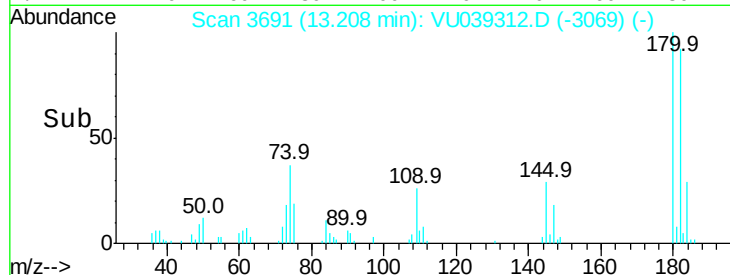
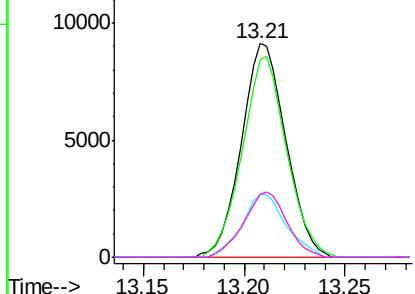
#67
 1,3,5-Trichlorobenzene
 Concen: 1.094 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00106

Tgt Ion:180 Resp: 14101
 Ion Ratio Lower Upper
 180 100
 182 93.6 76.2 114.4
 184 29.3 24.2 36.4
 145 29.6 24.2 36.2

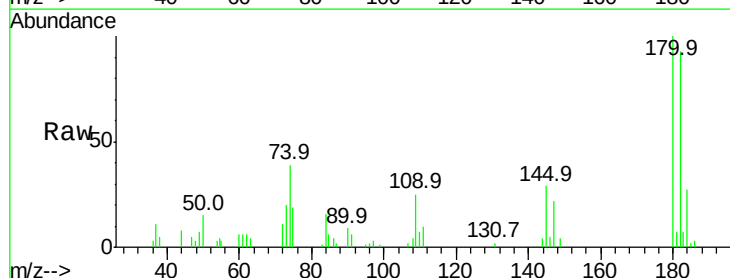


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

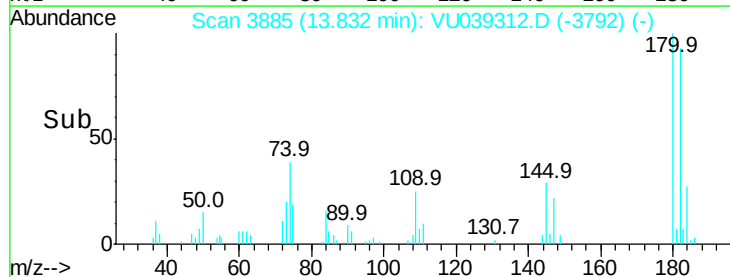
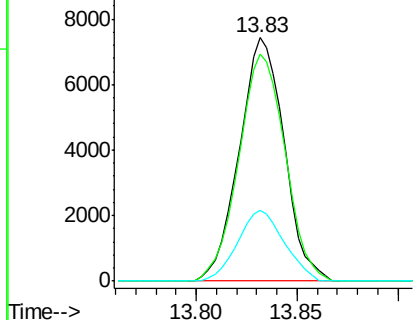


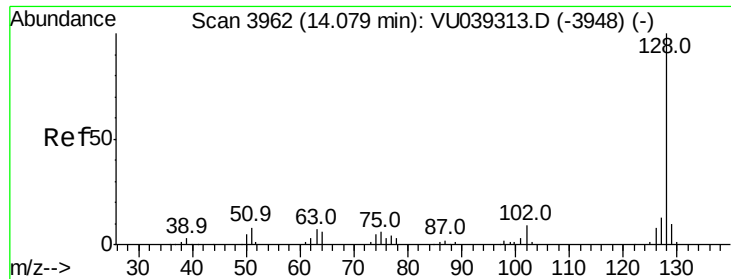
#68
 1,2,4-trichlorobenzene
 Concen: 1.037 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039312.D
 Acq: 07 Jul 2020 13:26

Tgt Ion:180 Resp: 11564
 Ion Ratio Lower Upper
 180 100
 182 96.4 79.4 119.2
 145 30.0 26.4 39.6



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: 1.035 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

Instrument :

MSVOA_U

ClientSampleId :

VSTD00106

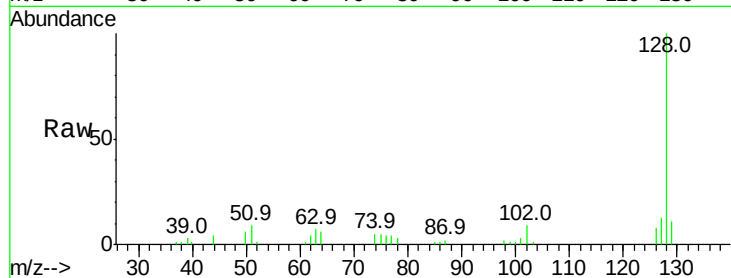
Tgt Ion:128 Resp: 22120

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

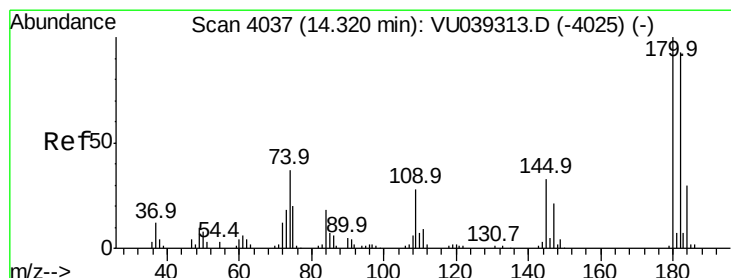
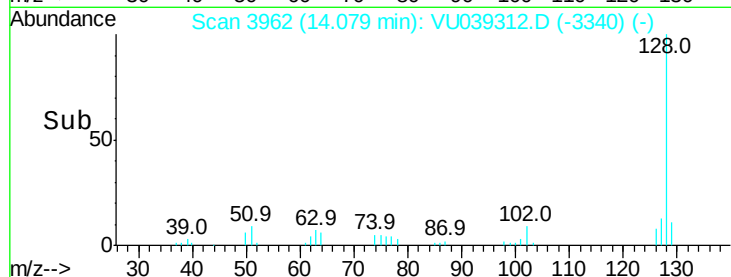
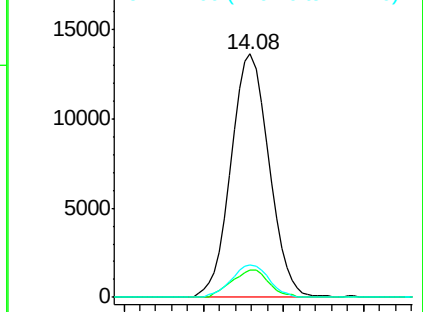
127 13.0 10.4 15.6



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: 1.065 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039312.D

Acq: 07 Jul 2020 13:26

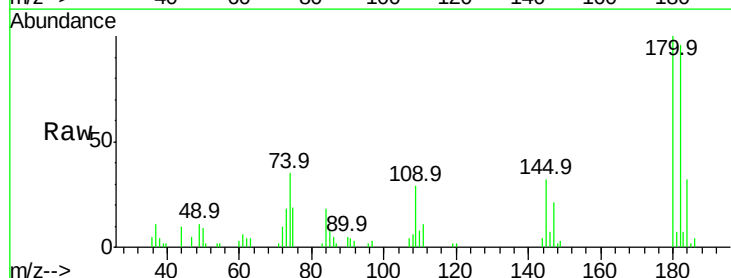
Tgt Ion:180 Resp: 10830

Ion Ratio Lower Upper

180 100

182 97.4 74.2 111.2

145 30.9 27.6 41.4



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

