

Data File : VU039313.D
Acq On : 07 Jul 2020 13:49
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Quant Time: Jul 07 14:07:23 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR070720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 12:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	112847	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	106584	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51764	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	37028	4.27	ug/L	0.00
7) Chloroethane-d5	1.93	69	34996	4.22	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	69744	4.32	ug/L	0.00
20) 2-Butanone-d5	4.66	46	165340	50.55	ug/L	0.00
24) Chloroform-d	5.09	84	77137	4.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	47046	4.57	ug/L	0.00
32) Benzene-d6	5.74	84	142094	4.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	49055	4.50	ug/L	0.00
41) Toluene-d8	7.91	98	121948	4.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	21312	4.23	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	127915	48.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	46921	4.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	49166	4.21	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	36693	5.718 ug/L	97
3) Chloromethane	1.53	50	42409	5.186 ug/L	96
5) Vinyl chloride	1.61	62	46868	5.575 ug/L	96
6) Bromomethane	1.87	94	19545	3.792 ug/L	98
8) Chloroethane	1.94	64	32542	5.655 ug/L	93
9) Trichlorofluoromethane	2.15	101	79106	5.380 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	34101	5.318 ug/L	98
12) 1,1-Dichloroethene	2.59	96	34544	5.404 ug/L	89
13) Acetone	2.67	43	77862	50.308 ug/L	99
14) Carbon disulfide	2.81	76	118881	5.833 ug/L	99
15) Methyl Acetate	2.97	43	20846	5.384 ug/L	97
16) Methylene chloride	3.06	84	41047	5.042 ug/L	98
17) Methyl tert-butyl Ether	3.38	73	103050	4.900 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	37093	5.337 ug/L	98
19) 1,1-Dichloroethane	3.89	63	69989	5.026 ug/L	99
21) 2-Butanone	4.74	43	142608	50.625 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	41135	5.194 ug/L	99
23) Bromochloromethane	5.00	128	18506	5.186 ug/L	98
25) Chloroform	5.11	83	72881	5.025 ug/L	98
27) 1,2-Dichloroethane	5.81	62	52846	5.057 ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	61931	5.059 ug/L	99
30) Cyclohexane	5.41	56	67439	5.500 ug/L	100
31) Carbon tetrachloride	5.54	117	53575	5.205 ug/L	99
33) Benzene	5.79	78	156923	5.224 ug/L	100
34) Trichloroethene	6.56	95	41008	5.295 ug/L	96
35) Methylcyclohexane	6.78	83	68111	5.492 ug/L	98
37) 1,2-Dichloropropane	6.81	63	43481	5.188 ug/L	100
38) Bromodichloromethane	7.12	83	54775	5.013 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	63342	4.862 ug/L	97
40) 4-Methyl-2-pentanone	7.80	43	348584	49.149 ug/L	100

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	168875	5.165	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	57287	4.883	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	30947	4.965	ug/L	98
47) Tetrachloroethene	8.56	164	28485	5.233	ug/L	94
48) 2-Hexanone	8.69	43	256762	48.679	ug/L	98
49) Dibromochloromethane	8.82	129	36587	4.675	ug/L	95
50) 1,2-Dibromoethane	8.93	107	31008	4.948	ug/L	99
51) Chlorobenzene	9.45	112	102208	5.055	ug/L	98
52) Ethylbenzene	9.57	91	185633	5.101	ug/L	98
53) m,p-Xylene	9.70	106	69379	5.054	ug/L	98
54) o-Xylene	10.10	106	66549	4.890	ug/L	99
55) Styrene	10.11	104	114548	4.814	ug/L	95
56) Isopropylbenzene	10.48	105	181631	4.929	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	41911	4.760	ug/L	95
59) 1,2,3-Trichloropropane	10.82	75	30030	4.768	ug/L	98
61) Bromoform	10.29	173	21397	4.636	ug/L	97
62) 1,3-Dichlorobenzene	11.74	146	80405	4.943	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	78948	4.941	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	78585	4.931	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	7490	4.712	ug/L	90
67) 1,3,5-Trichlorobenzene	13.21	180	59750	4.999	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	51036	4.938	ug/L	97
69) Naphthalene	14.08	128	99235	5.008	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	47822	5.074	ug/L	96

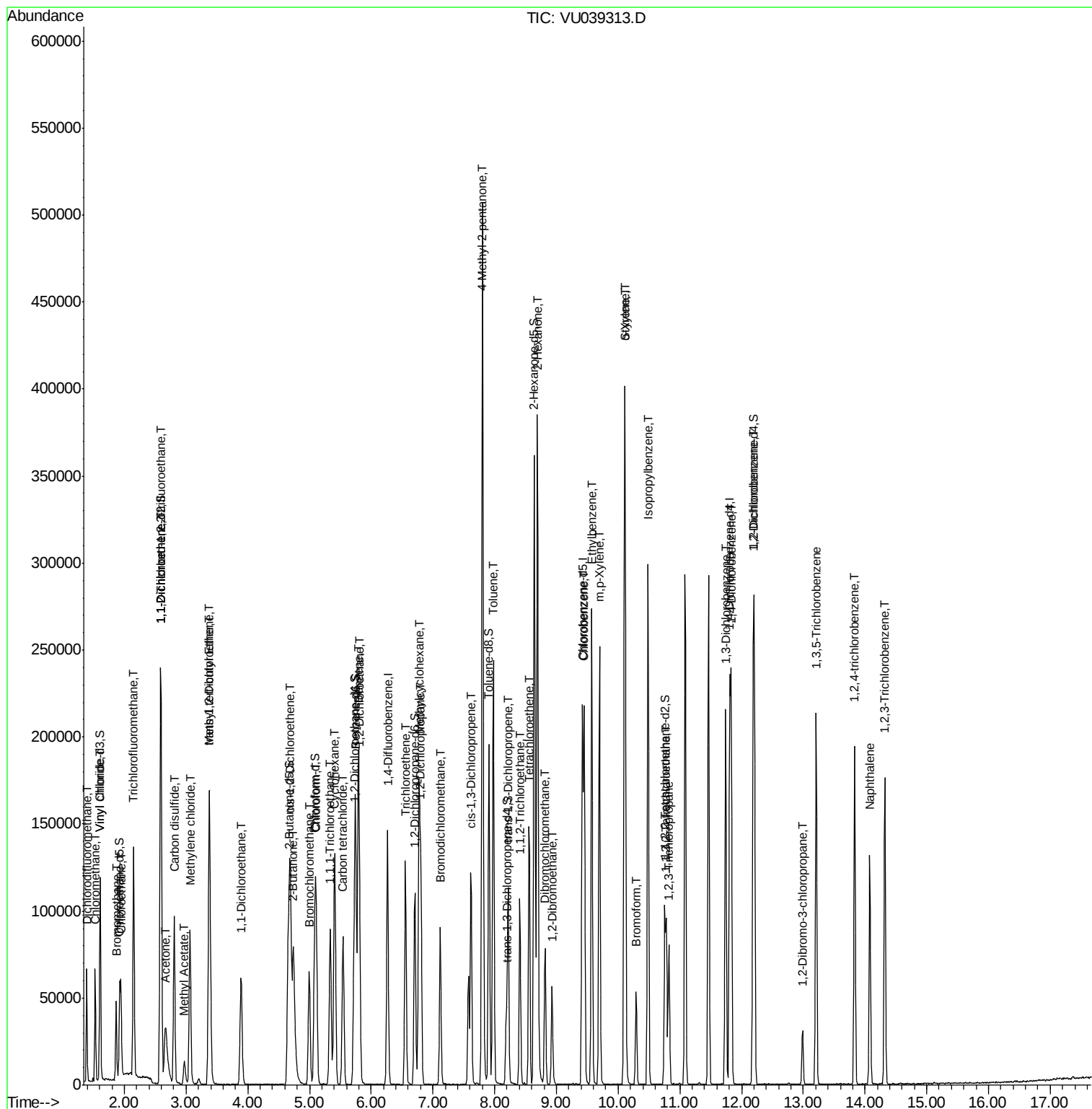
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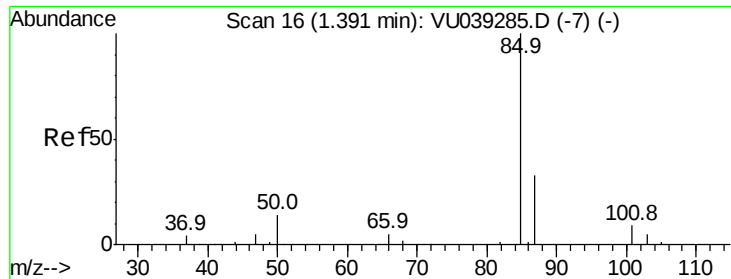
Data File : VU039313.D

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Acq On       : 07 Jul 2020   13:49
Operator     : SY/MD
Sample       : VSTD005
Misc         : 25.0mL/MSV0A_U/WATER
ALS Vial     : 6      Sample Multiplier: 1
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Instrument :
MSVOA_U
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#2

Dichlorodifluoromethane

Concen: 5.718 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

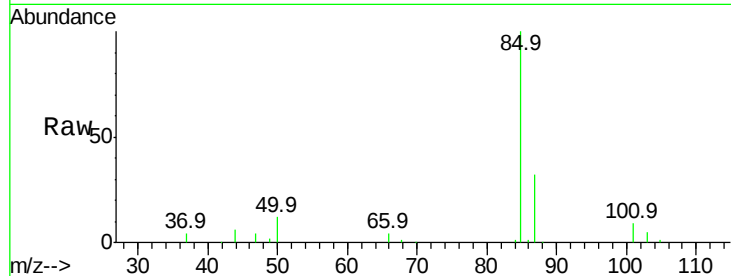
VSTD00501

Tgt Ion: 85 Resp: 36693

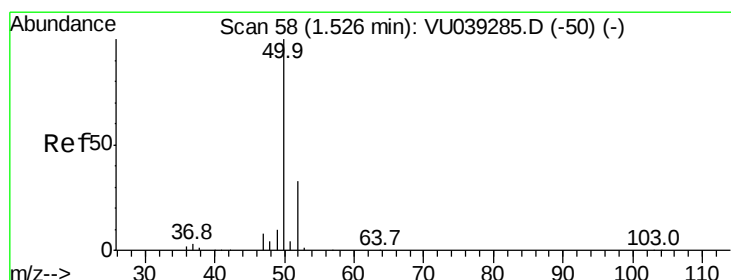
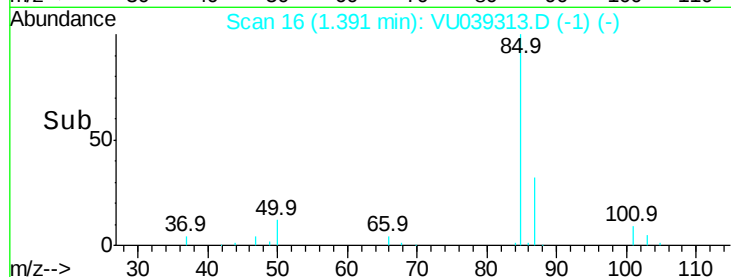
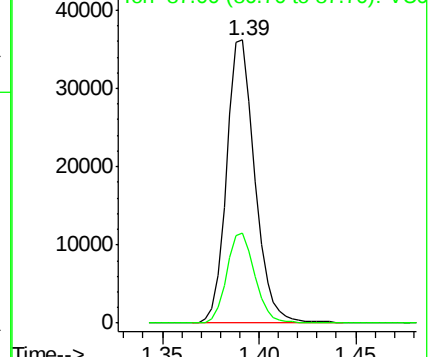
Ion Ratio Lower Upper

85 100

87 31.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VU039313.D (-1) (-)



#3

Chloromethane

Concen: 5.186 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039313.D

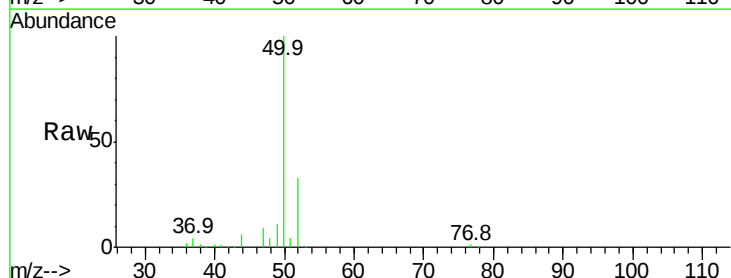
Acq: 07 Jul 2020 13:49

Tgt Ion: 50 Resp: 42409

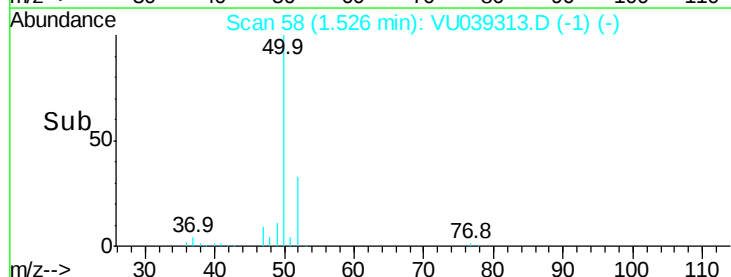
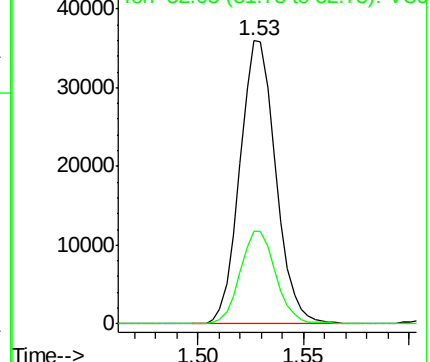
Ion Ratio Lower Upper

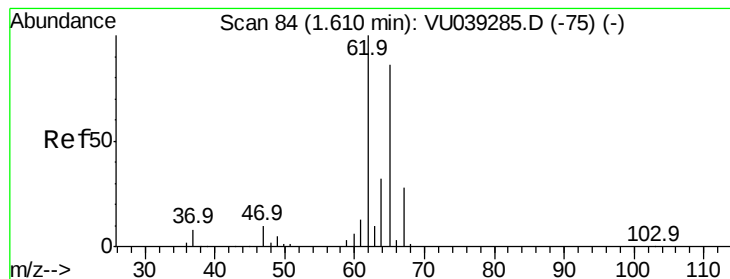
50 100

52 32.9 24.7 45.9



Abundance Ion 50.05 (49.75 to 50.75): VU039313.D (-1) (-)





#5

Vinyl chloride

Concen: 5.575 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

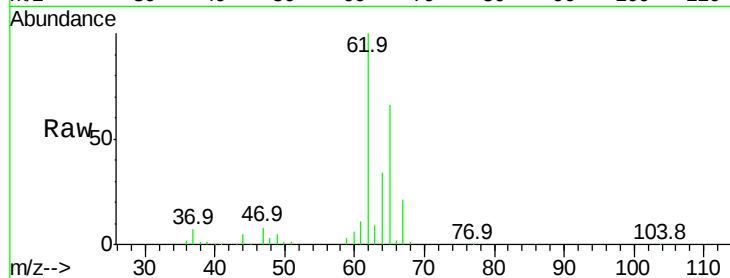
VSTD00501

Tgt Ion: 62 Resp: 46868

Ion Ratio Lower Upper

62 100

64 33.9 25.6 47.4



Abundance Ion 62.00 (61.70 to 62.70): VU039285.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039285.D (-75) (-)

1.61

40000

30000

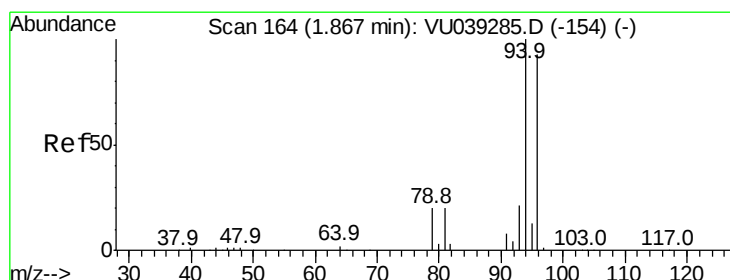
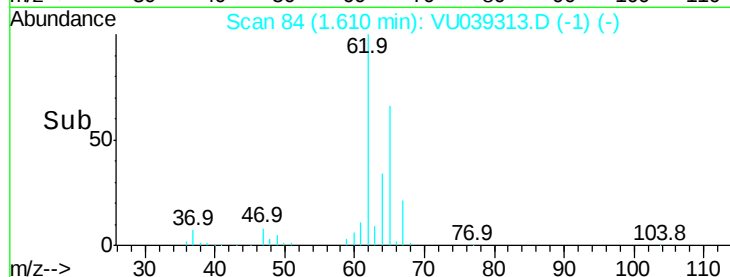
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#6

Bromomethane

Concen: 3.792 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU039313.D

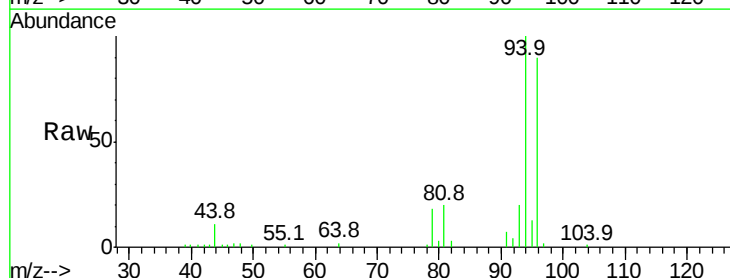
Acq: 07 Jul 2020 13:49

Tgt Ion: 94 Resp: 19545

Ion Ratio Lower Upper

94 100

96 89.6 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VU039285.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU039285.D (-154) (-)

1.87

15000

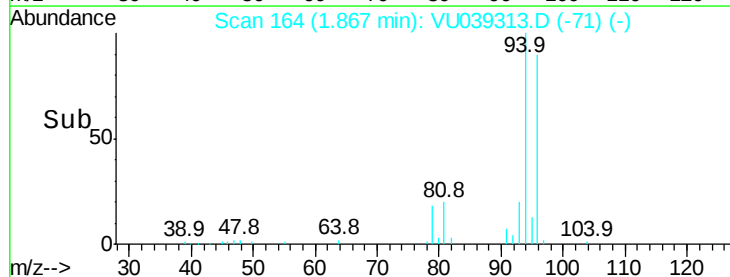
10000

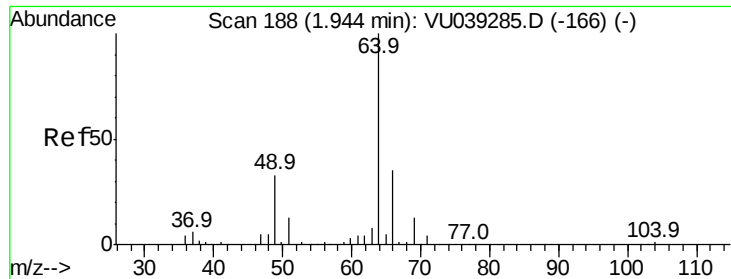
5000

0

1.80 1.85 1.90 1.95

Time-->

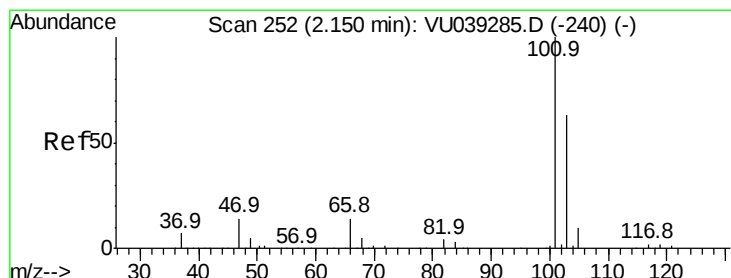
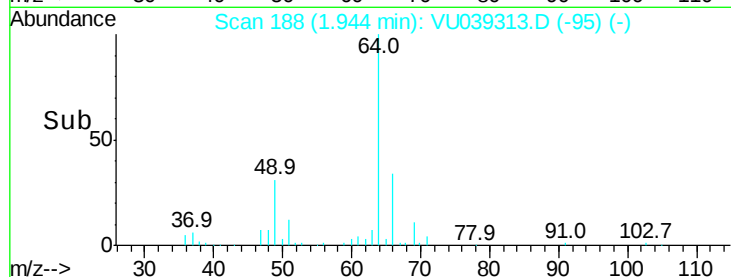
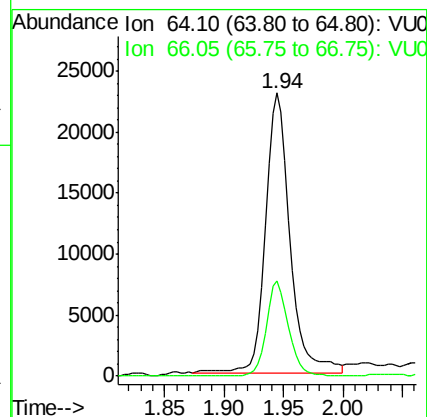
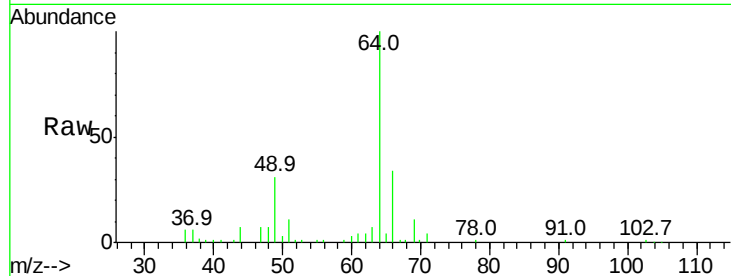




#8
Chloroethane
Concen: 5.655 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

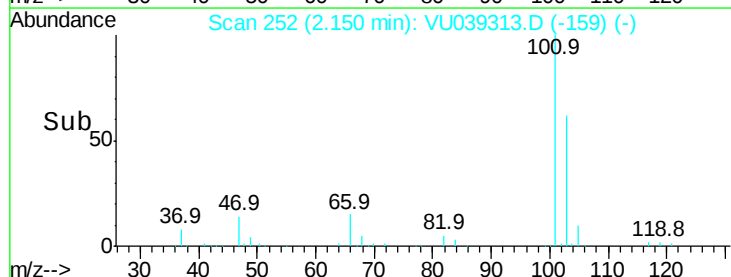
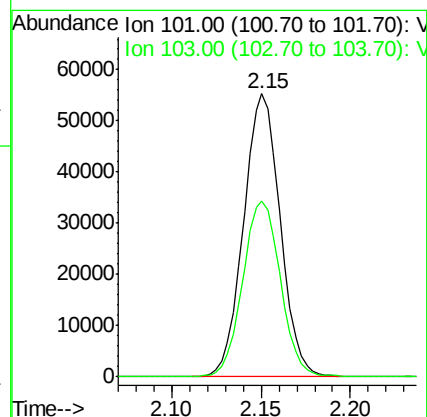
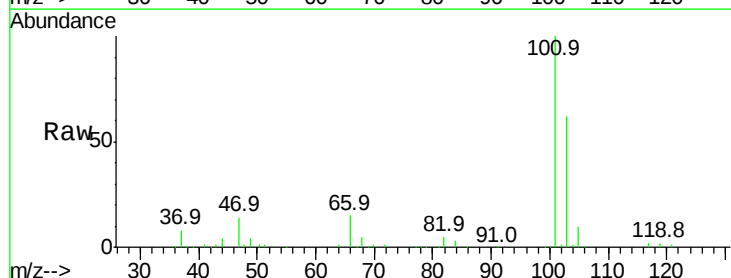
Instrument :
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VSTD00501

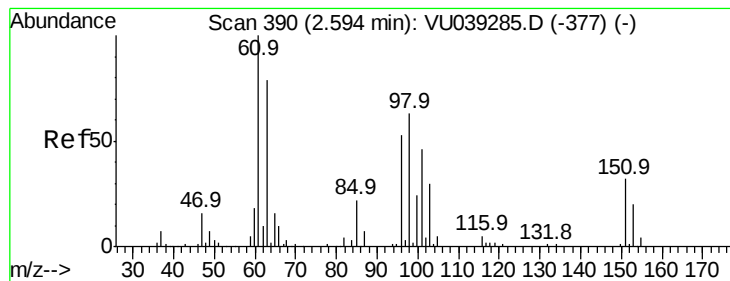
Tgt Ion: 64 Resp: 32542
Ion Ratio Lower Upper
64 100
66 33.6 20.7 38.5



#9
Trichlorofluoromethane
Concen: 5.380 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion:101 Resp: 79106
Ion Ratio Lower Upper
101 100
103 63.3 53.4 80.2





#10

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

Concen: 5.318 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

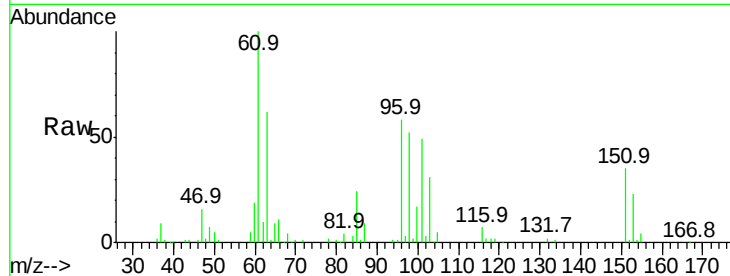
Tgt Ion:101 Resp: 34101

Ion Ratio Lower Upper

101 100

85 48.6 38.4 57.6

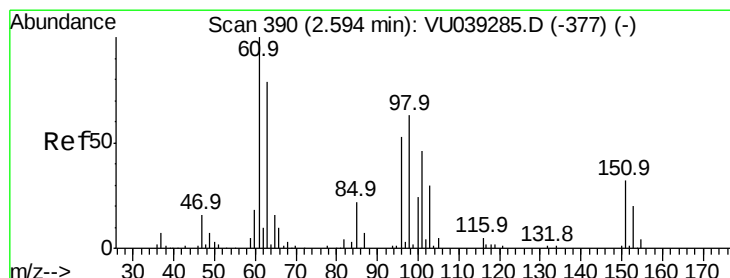
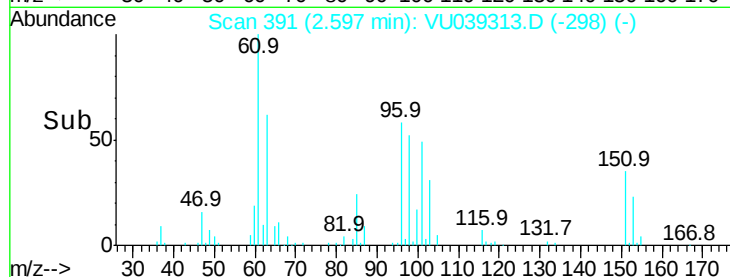
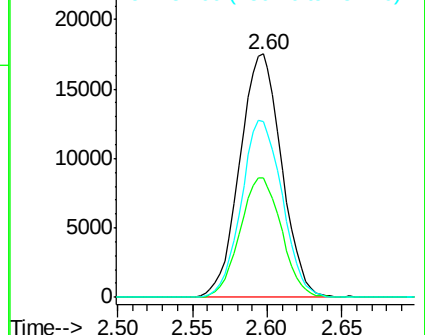
151 71.2 58.3 87.5



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: 5.404 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

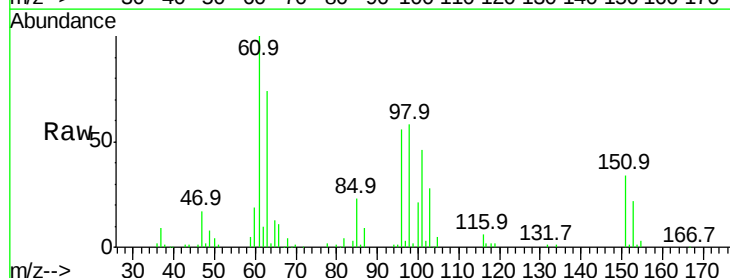
Tgt Ion: 96 Resp: 34544

Ion Ratio Lower Upper

96 100

61 179.1 123.8 230.0

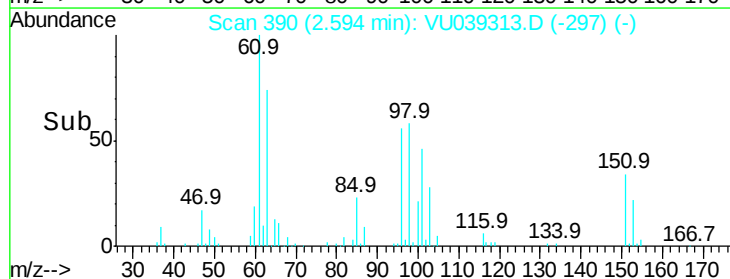
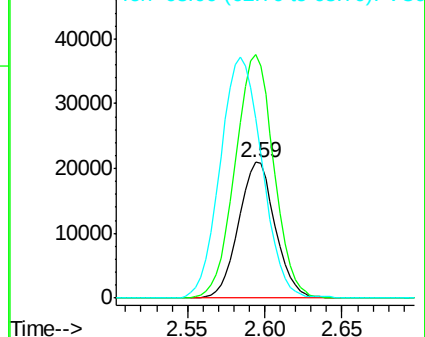
63 132.5 112.1 208.3

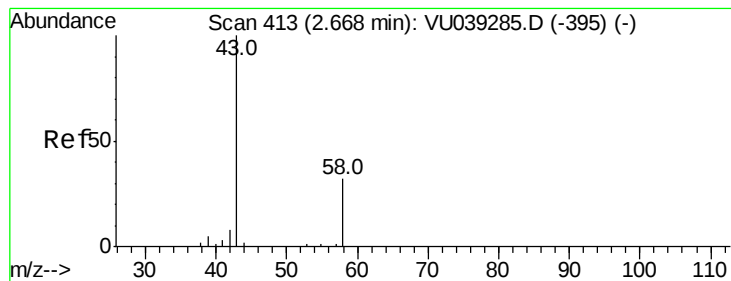


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 50.308 ug/L

RT: 2.67 min Scan# 414

Delta R.T. 0.01 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

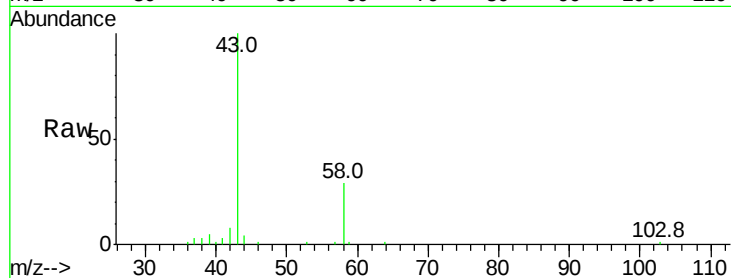
VSTD00501

Tgt Ion: 43 Resp: 77862

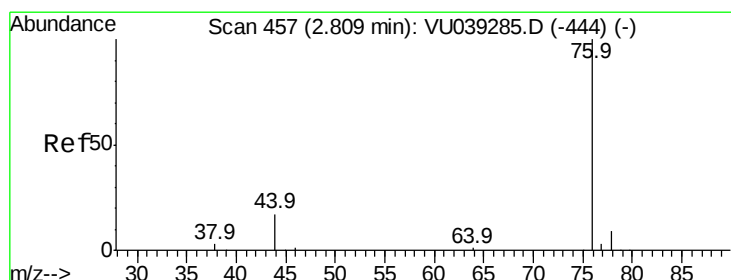
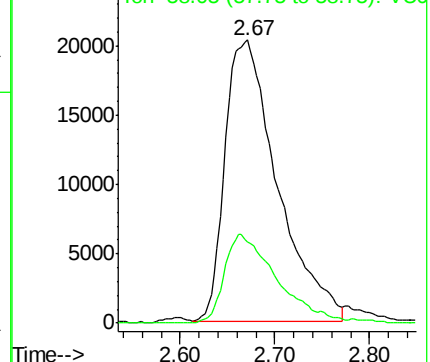
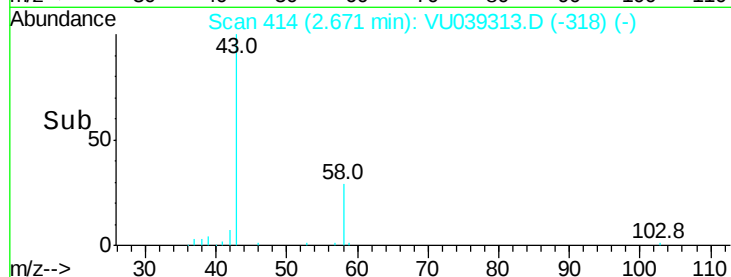
Ion Ratio Lower Upper

43 100

58 31.4 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU039313.D (-318) (-)



#14

Carbon disulfide

Concen: 5.833 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU039313.D

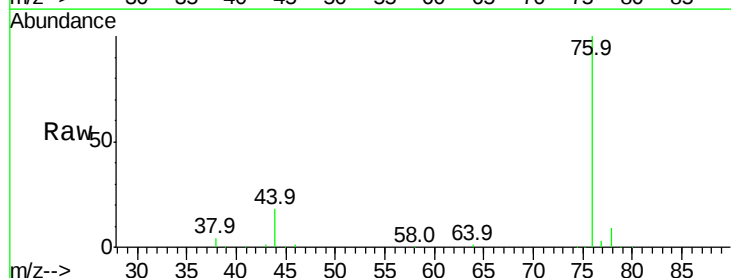
Acq: 07 Jul 2020 13:49

Tgt Ion: 76 Resp: 118881

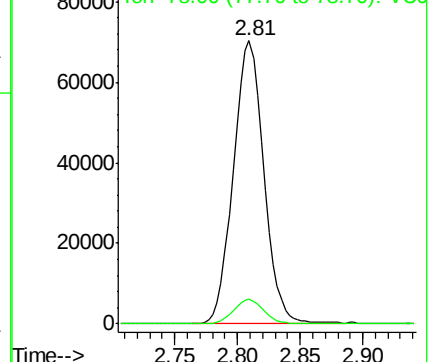
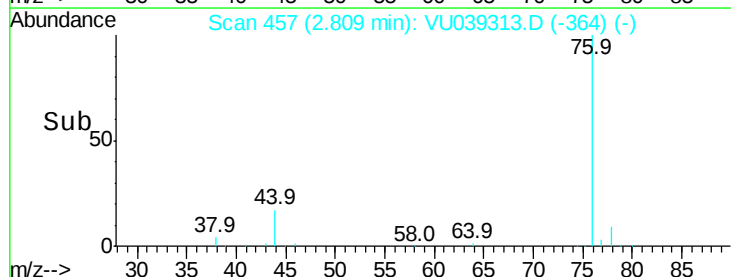
Ion Ratio Lower Upper

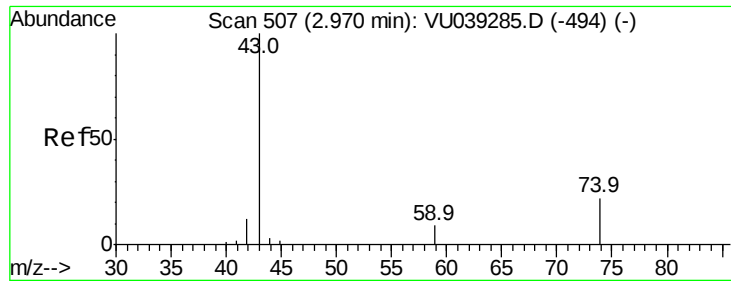
76 100

78 8.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VU039313.D (-364) (-)

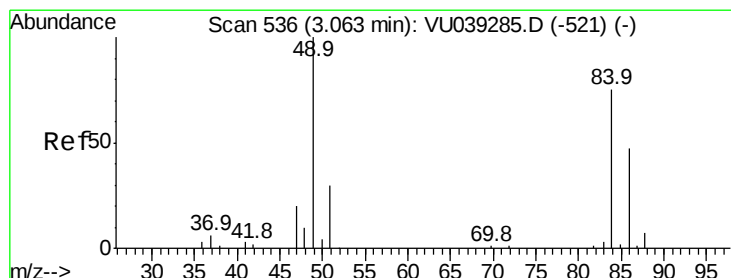
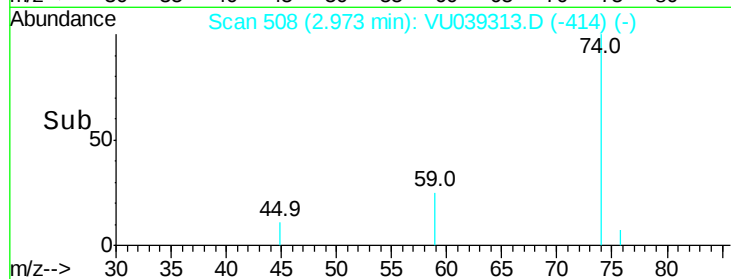
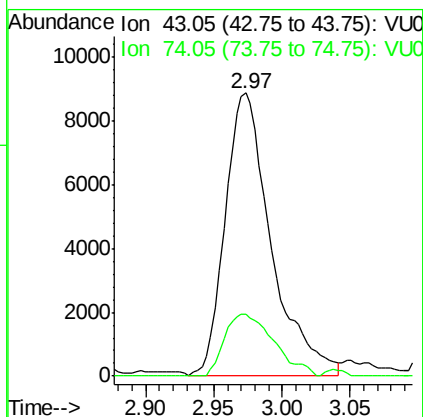
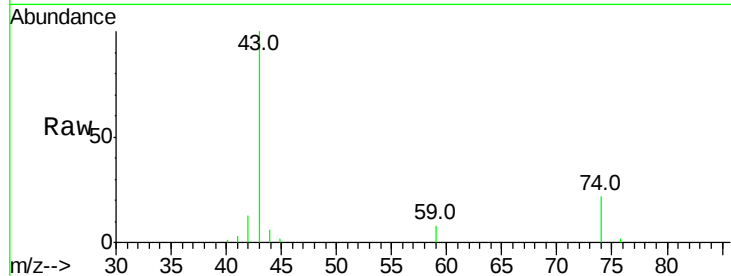




#15
Methyl Acetate
Concen: 5.384 ug/L
RT: 2.97 min Scan# 508
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

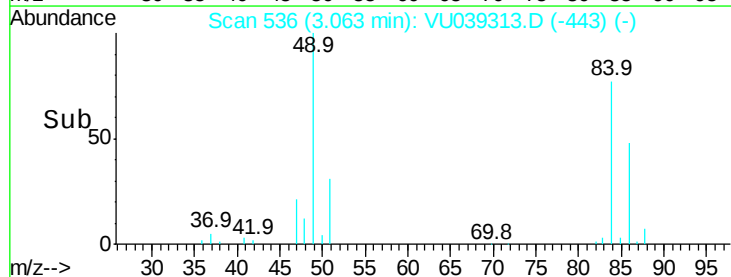
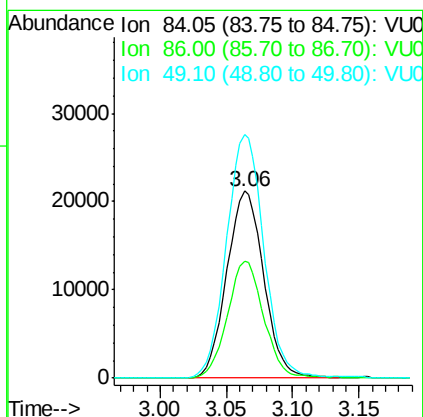
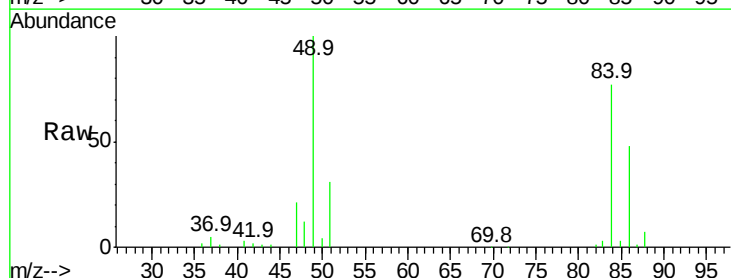
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

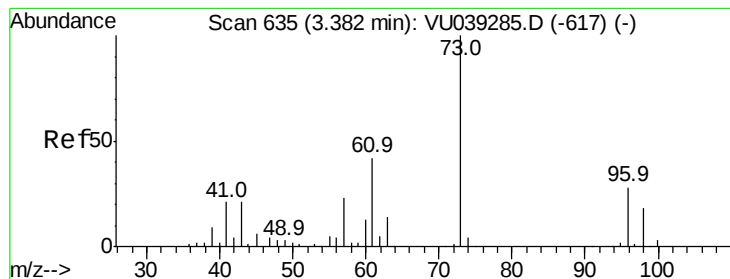
Tgt Ion: 43 Resp: 20846
Ion Ratio Lower Upper
43 100
74 23.4 17.5 26.3



#16
Methylene chloride
Concen: 5.042 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion: 84 Resp: 41047
Ion Ratio Lower Upper
84 100
86 62.2 42.6 79.0
49 130.1 93.0 172.8





#17

Methyl tert-butyl Ether

Concen: 4.900 ug/L

RT: 3.38 min Scan# 636

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

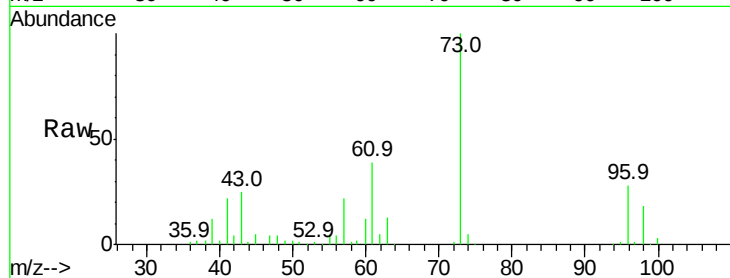
Tgt Ion: 73 Resp: 103050

Ion Ratio Lower Upper

73 100

43 23.3 17.5 26.3

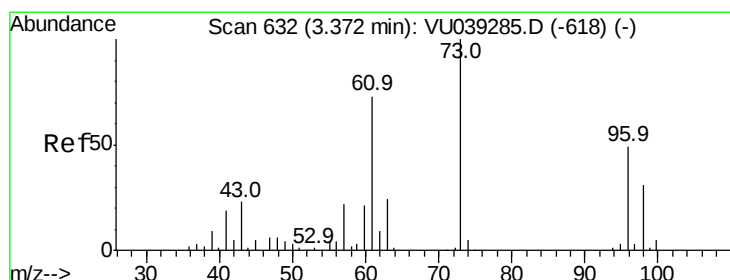
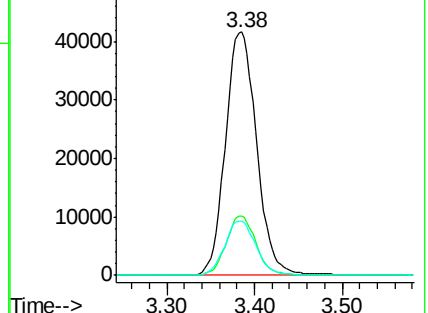
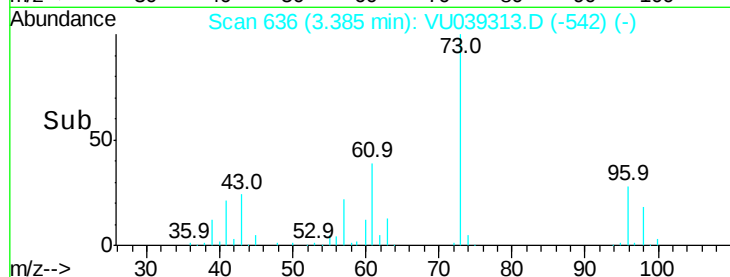
57 22.4 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VU039285.D (-617) (-)

Ion 43.05 (42.75 to 43.75): VU039285.D (-617) (-)

Ion 57.10 (56.80 to 57.80): VU039285.D (-617) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.337 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

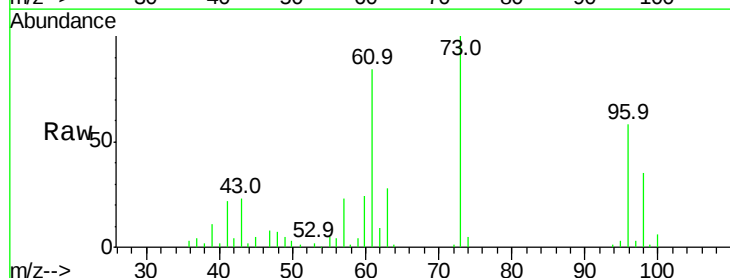
Tgt Ion: 96 Resp: 37093

Ion Ratio Lower Upper

96 100

61 145.8 104.7 194.5

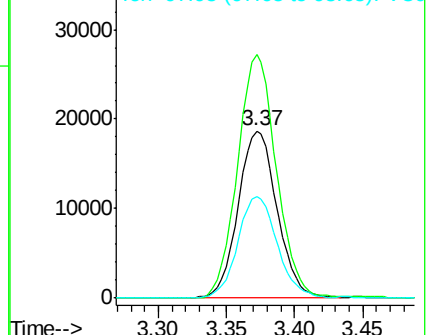
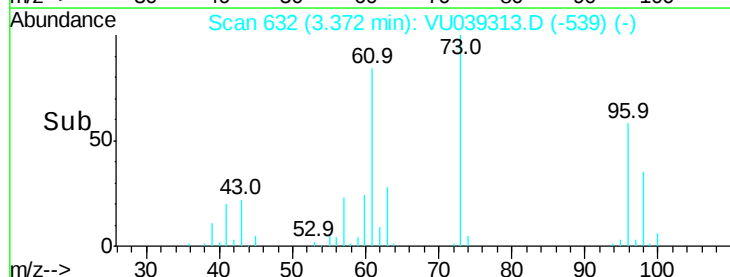
98 60.7 43.1 80.1

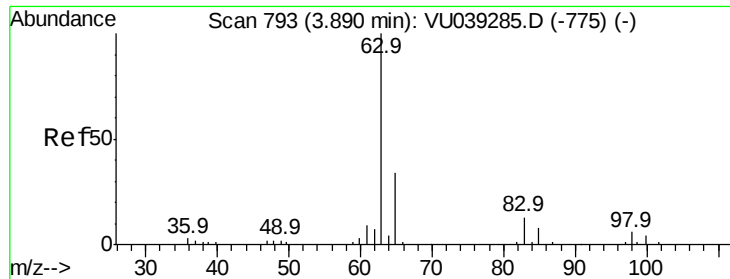


Abundance Ion 96.00 (95.70 to 96.70): VU039285.D (-618) (-)

Ion 61.05 (60.75 to 61.75): VU039285.D (-618) (-)

Ion 97.95 (97.65 to 98.65): VU039285.D (-618) (-)

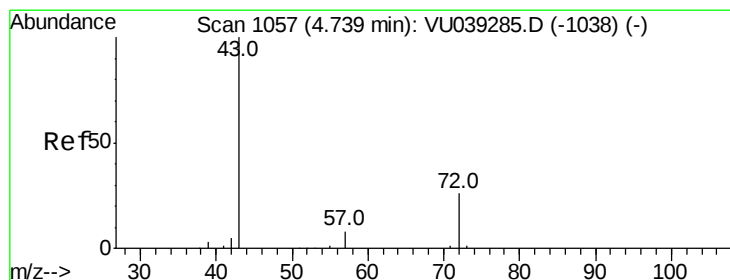
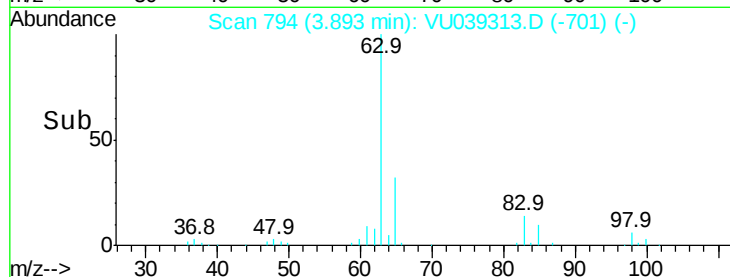
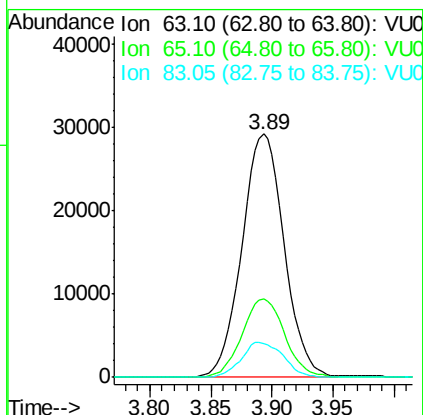
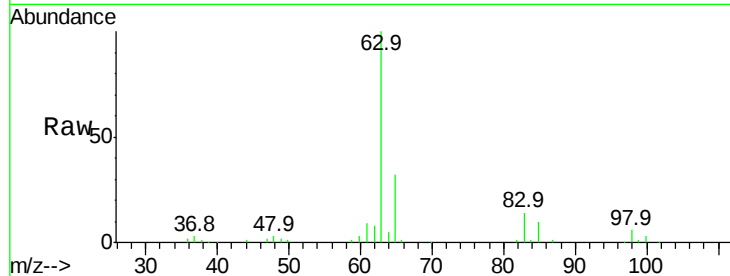




#19
 1,1-Dichloroethane
 Concen: 5.026 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

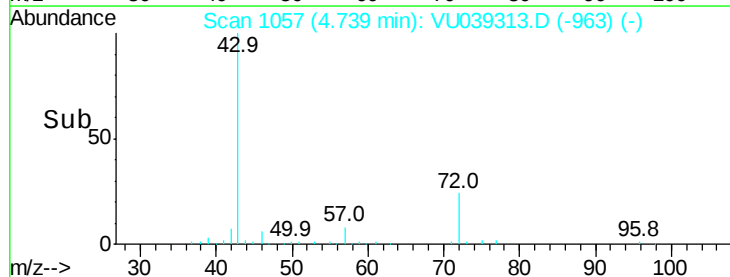
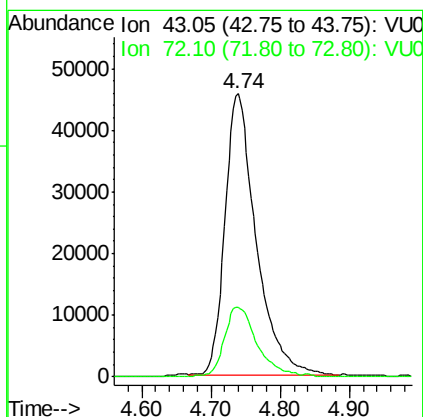
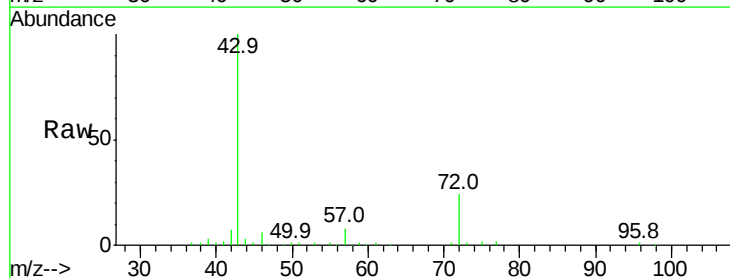
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

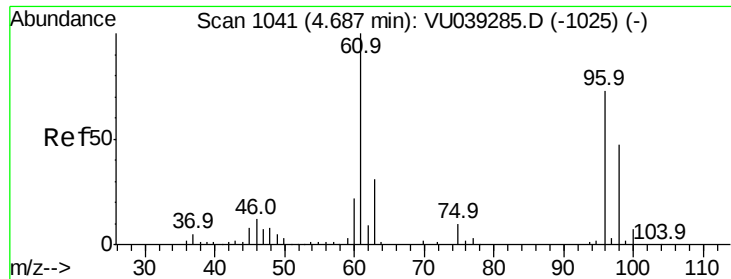
Tgt Ion: 63 Resp: 69989
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.7 42.3
 83 13.7 9.1 16.9



#21
 2-Butanone
 Concen: 50.625 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 43 Resp: 142608
 Ion Ratio Lower Upper
 43 100
 72 26.3 12.8 38.3





#22

cis-1,2-Dichloroethene

Concen: 5.194 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

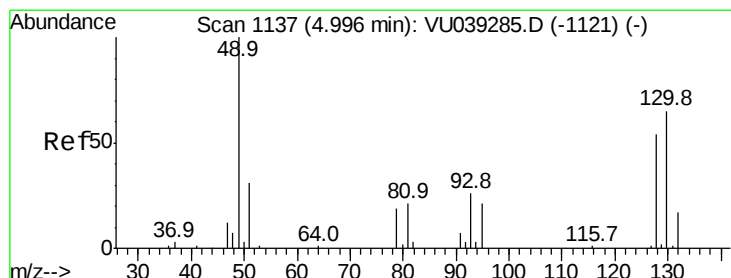
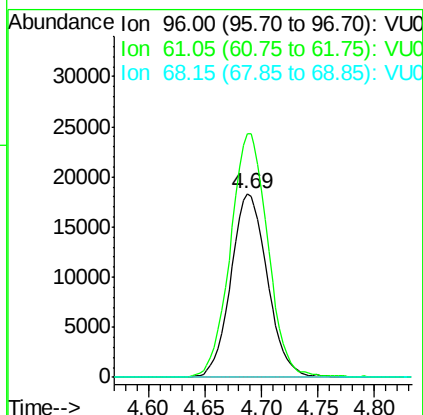
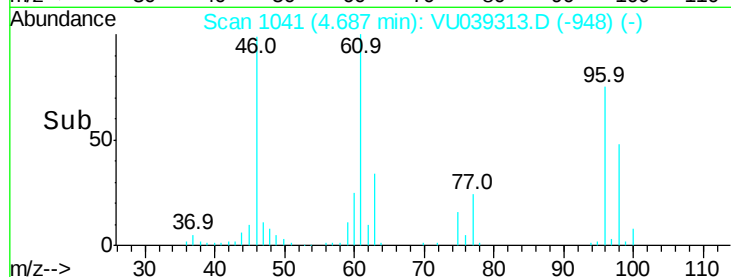
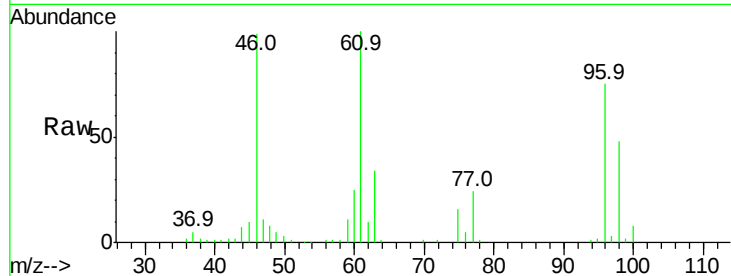
Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion: 96 Resp: 41135

Ion	Ratio	Lower	Upper
96	100		
61	132.6	93.7	173.9
68	0.0	0.0	0.0



#23

Bromochloromethane

Concen: 5.186 ug/L

RT: 5.00 min Scan# 1137

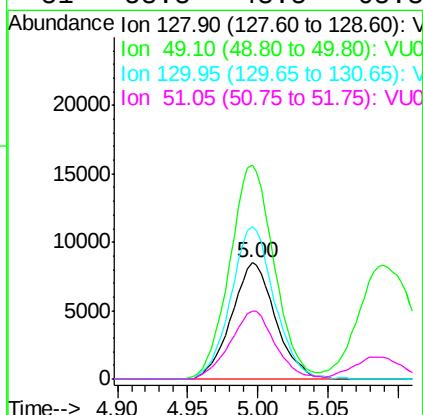
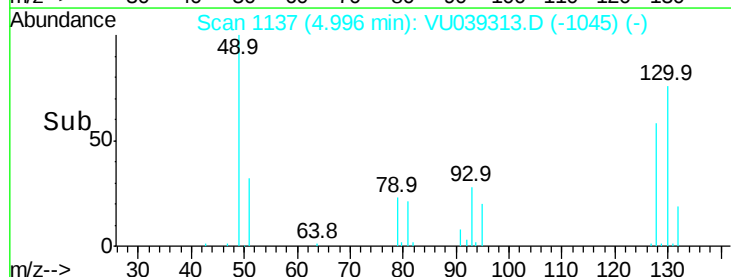
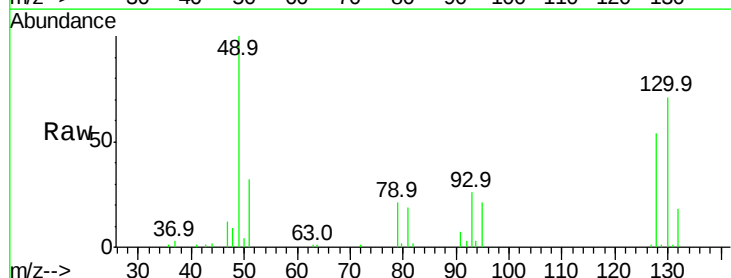
Delta R.T. -0.00 min

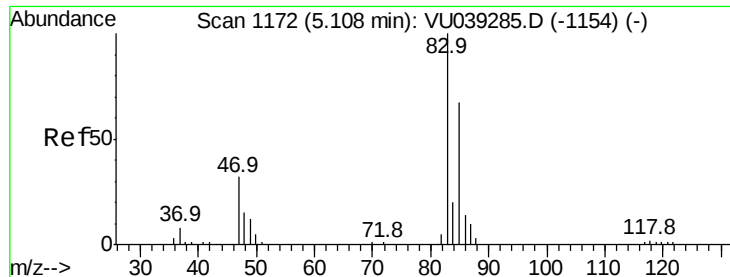
Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Tgt Ion: 128 Resp: 18506

Ion	Ratio	Lower	Upper
128	100		
49	183.6	128.7	238.9
130	130.7	89.7	166.5
51	58.8	43.5	65.3

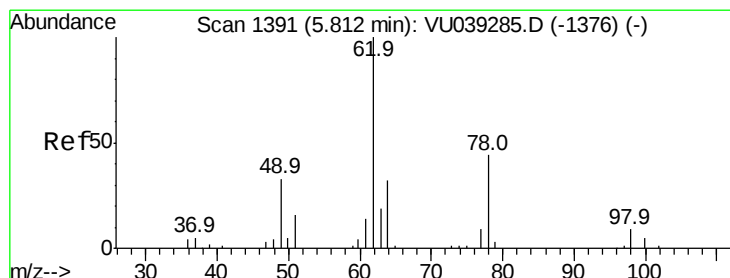
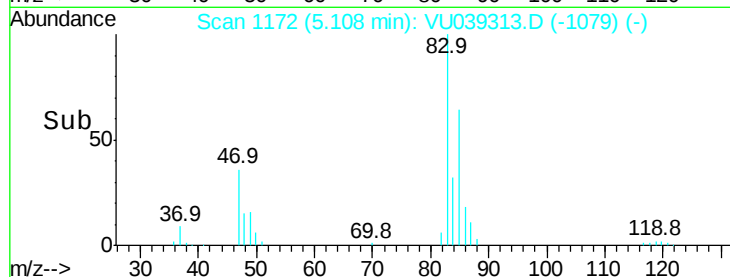
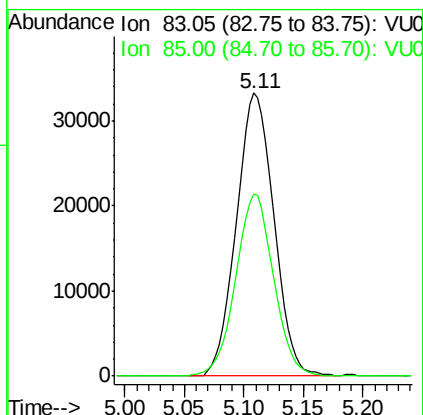
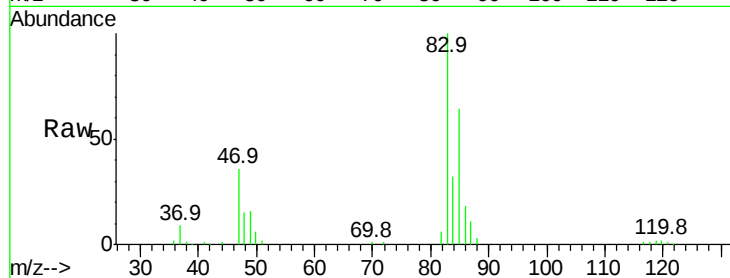




#25
Chloroform
Concen: 5.025 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

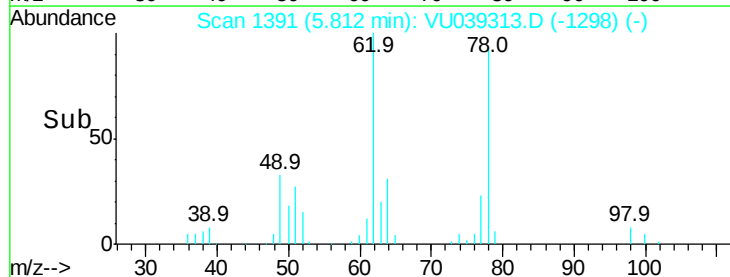
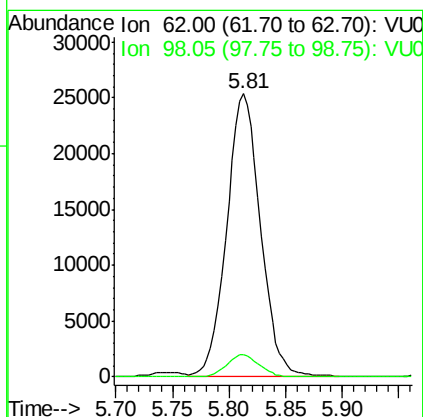
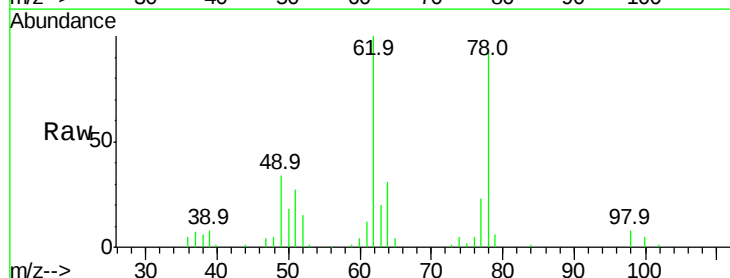
Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

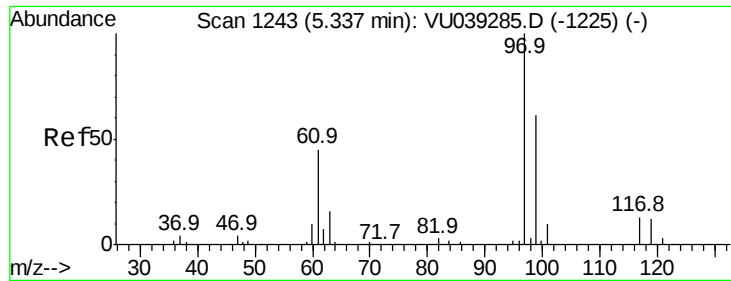
Tgt Ion: 83 Resp: 72881
Ion Ratio Lower Upper
83 100
85 64.2 46.3 86.1



#27
1,2-Dichloroethane
Concen: 5.057 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion: 62 Resp: 52846
Ion Ratio Lower Upper
62 100
98 7.9 6.2 9.4

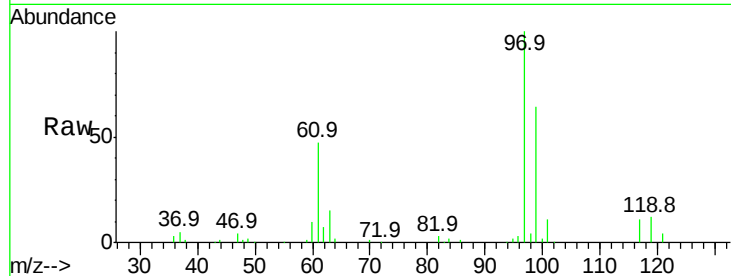




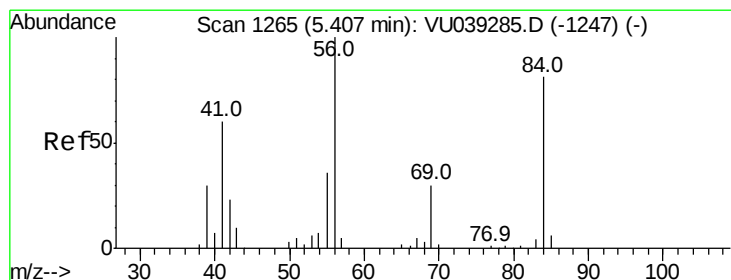
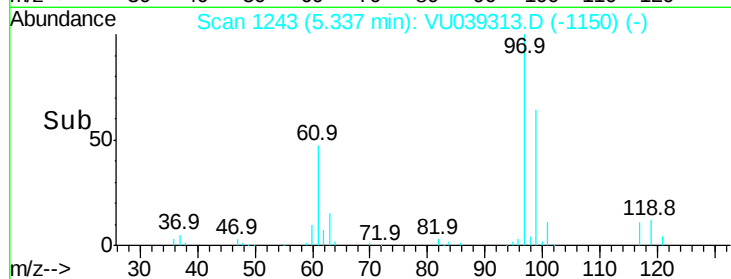
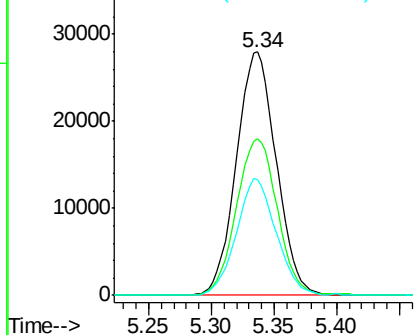
#29
1,1,1-Trichloroethane
Concen: 5.059 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion: 97 Resp: 61931
Ion Ratio Lower Upper
97 100
99 65.8 51.1 76.7
61 47.4 37.9 56.9

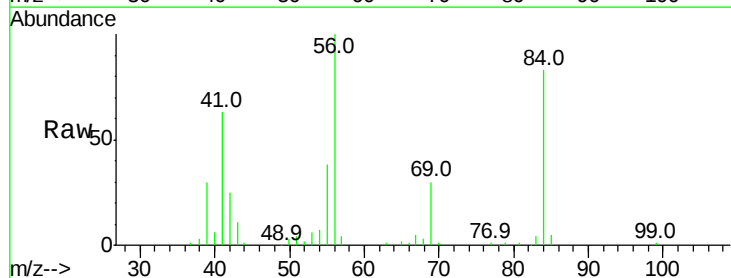


Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 61.05 (60.75 to 61.75): VU0

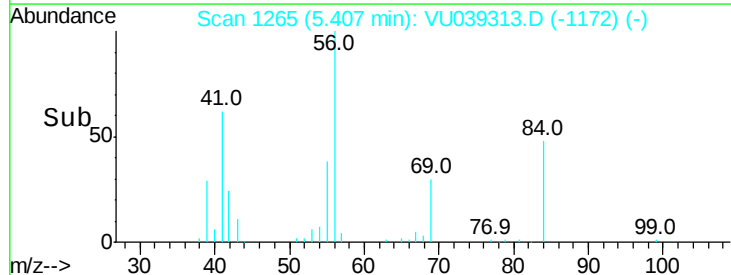
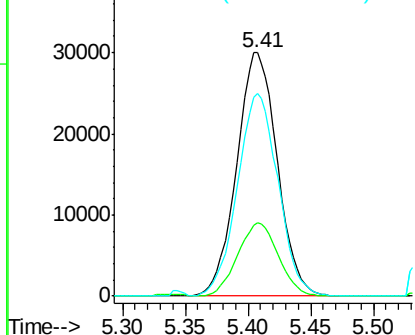


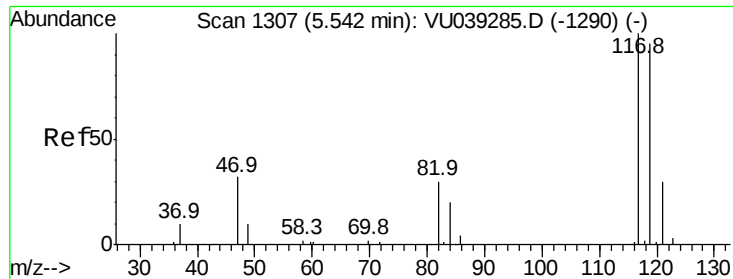
#30
Cyclohexane
Concen: 5.500 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion: 56 Resp: 67439
Ion Ratio Lower Upper
56 100
69 30.1 24.2 36.4
84 83.8 67.0 100.4



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



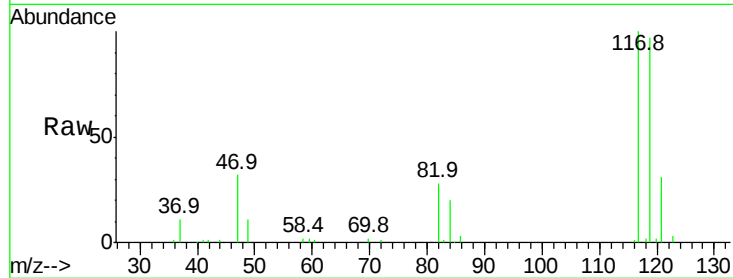


#31

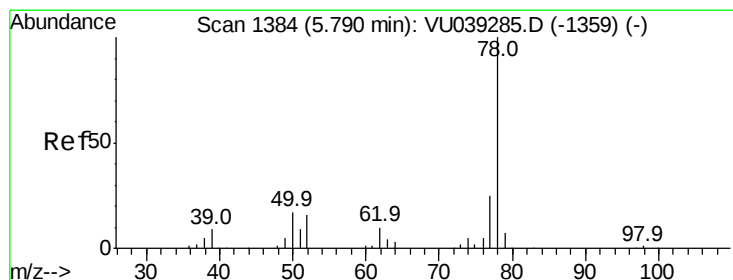
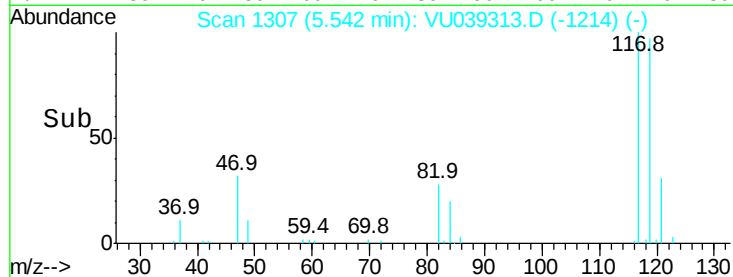
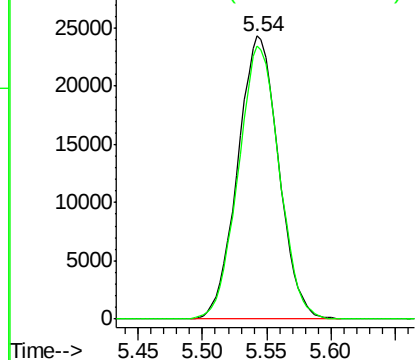
Carbon tetrachloride
 Concen: 5.205 ug/L
 RT: 5.54 min Scan# 1307
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:117 Resp: 53575
 Ion Ratio Lower Upper
 117 100
 119 96.7 76.8 115.2



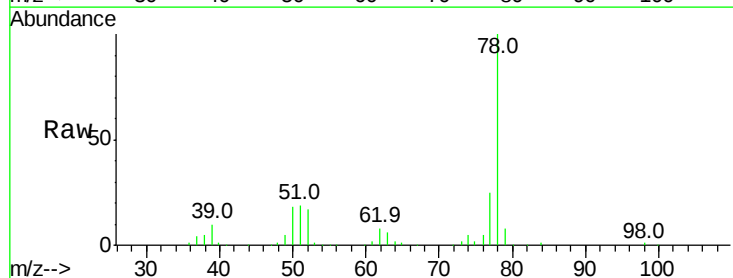
Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V



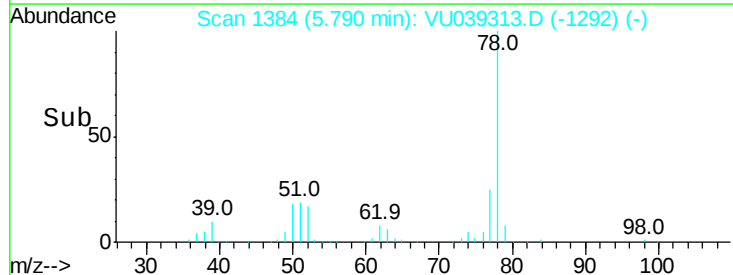
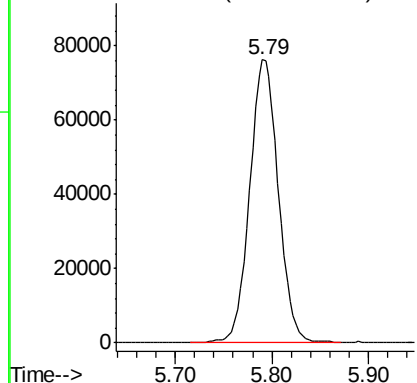
#33

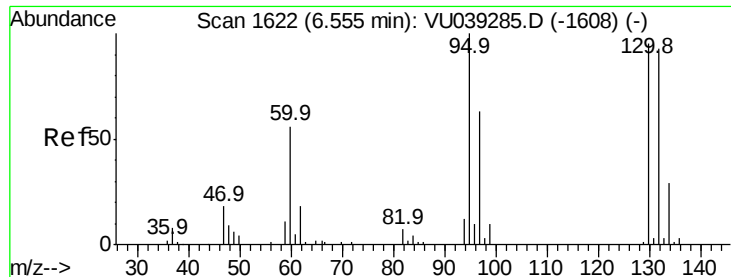
Benzene
 Concen: 5.224 ug/L
 RT: 5.79 min Scan# 1384
 Delta R.T. -0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 78 Resp: 156923



Abundance Ion 78.10 (77.80 to 78.80): VU0

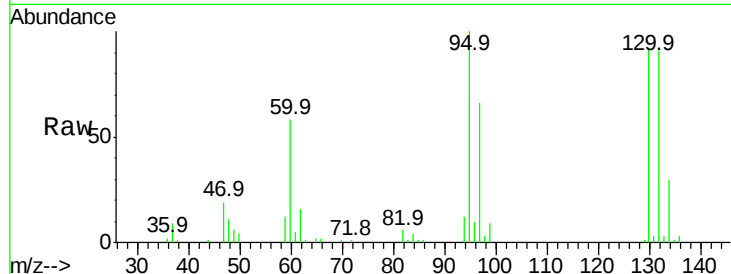




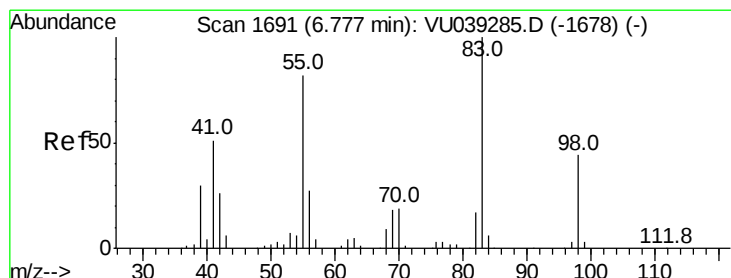
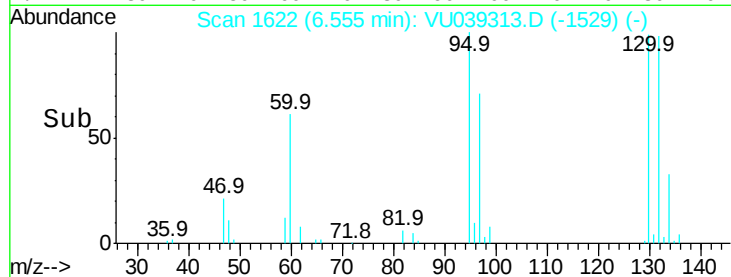
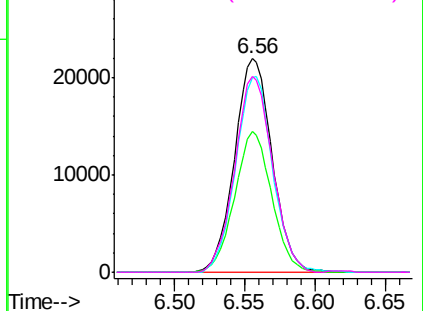
#34
 Trichloroethene
 Concen: 5.295 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion: 95 Resp: 41008
 Ion Ratio Lower Upper
 95 100
 97 66.1 47.0 87.2
 132 91.4 65.0 120.8
 130 91.9 69.8 129.6

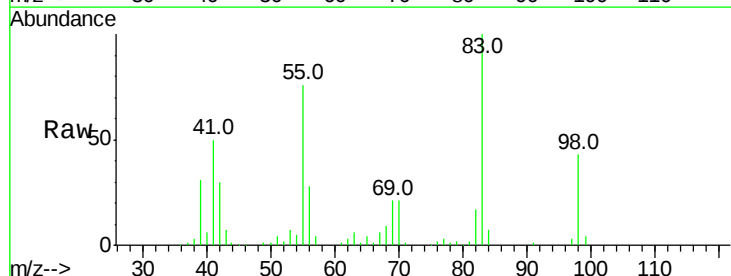


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

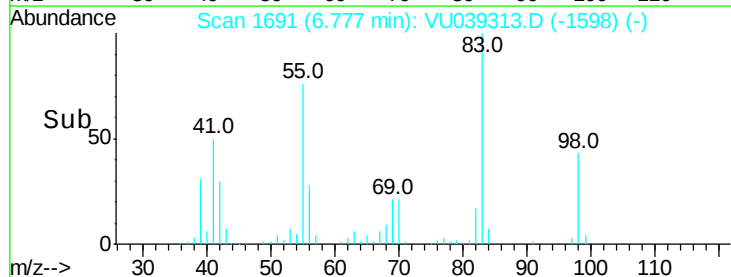
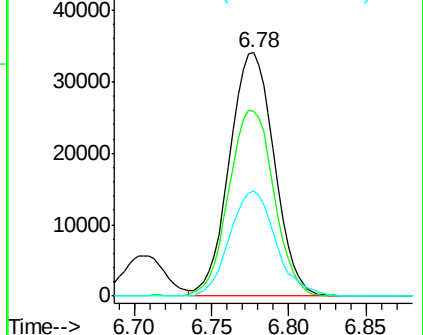


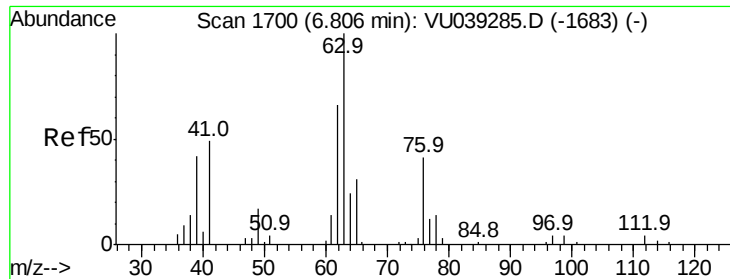
#35
 Methylcyclohexane
 Concen: 5.492 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 83 Resp: 68111
 Ion Ratio Lower Upper
 83 100
 55 77.6 63.3 94.9
 98 44.9 37.4 56.2



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

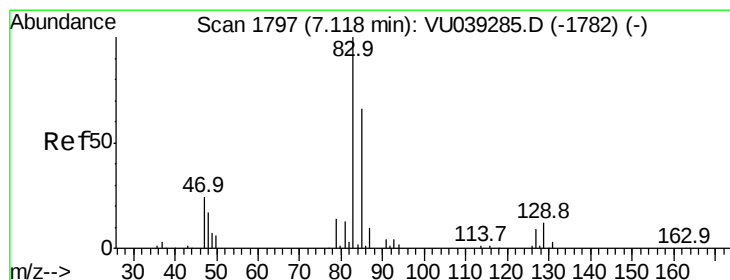
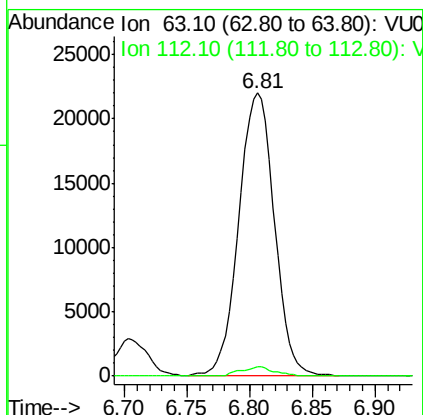
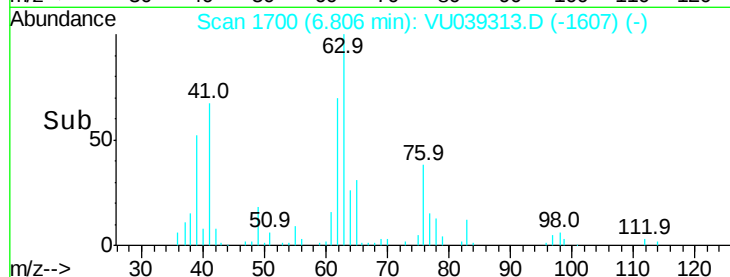
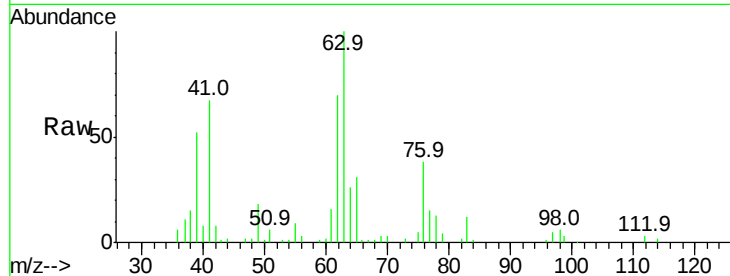




#37
 1,2-Dichloropropane
 Concen: 5.188 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

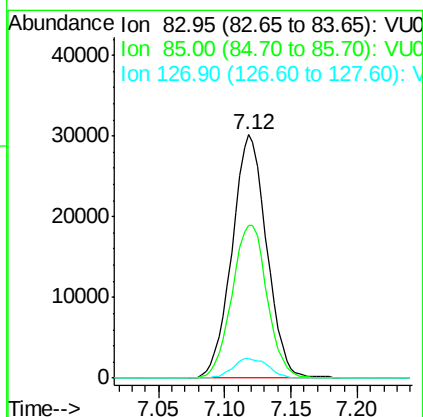
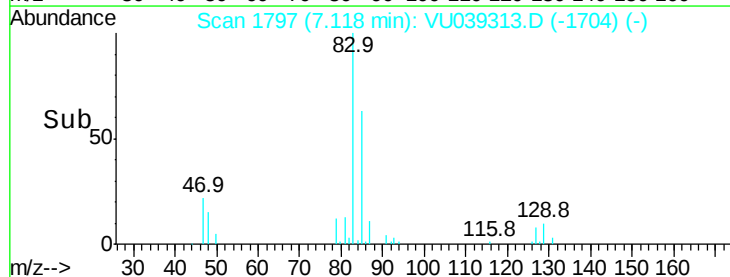
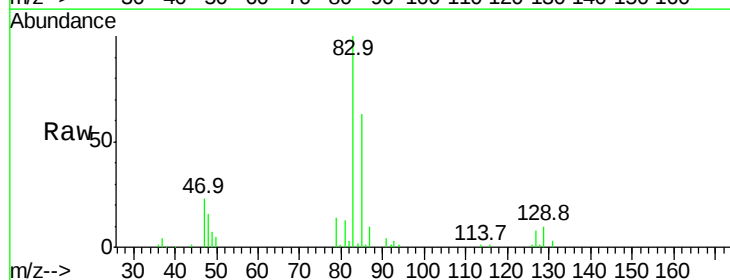
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

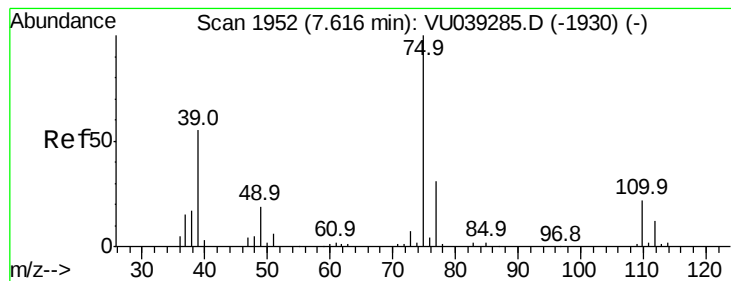
Tgt Ion: 63 Resp: 43481
 Ion Ratio Lower Upper
 63 100
 112 3.1 2.6 3.8



#38
 Bromodichloromethane
 Concen: 5.013 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 83 Resp: 54775
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.5 82.7
 127 7.8 6.5 9.7



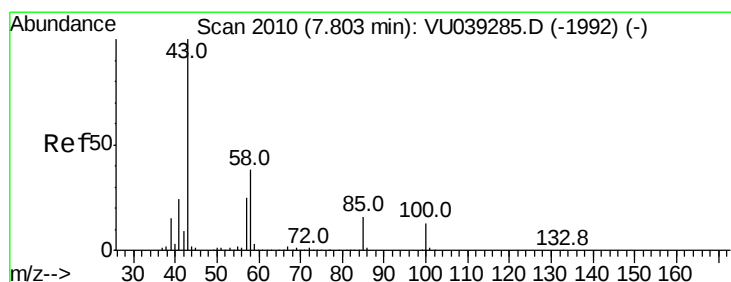
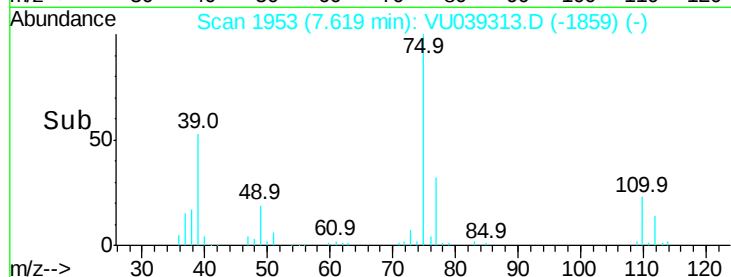
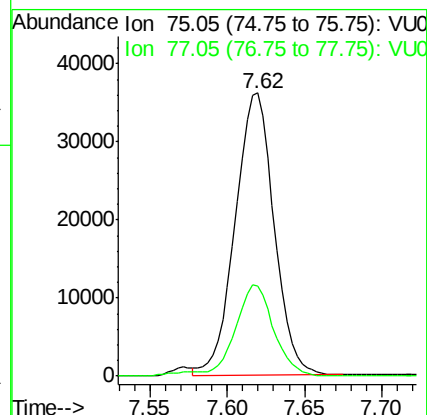
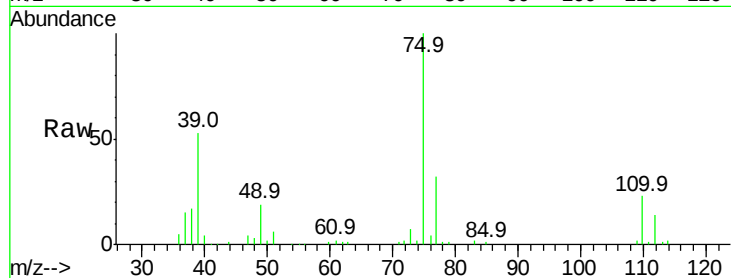


#39

cis-1,3-Dichloropropene
 Concen: 4.862 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

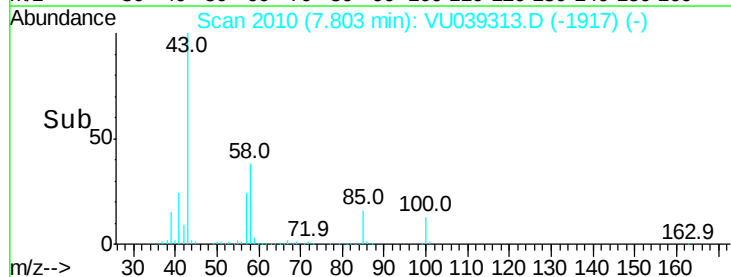
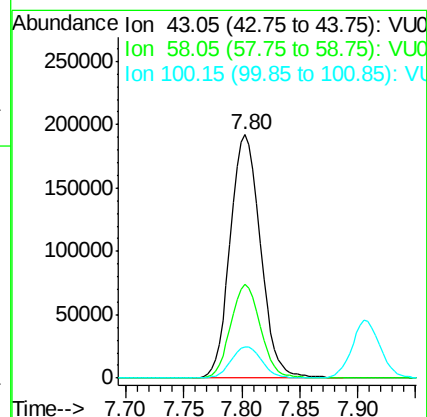
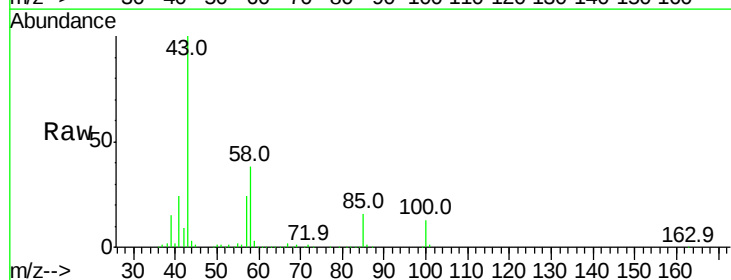
Tgt Ion: 75 Resp: 63342
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.3 43.3

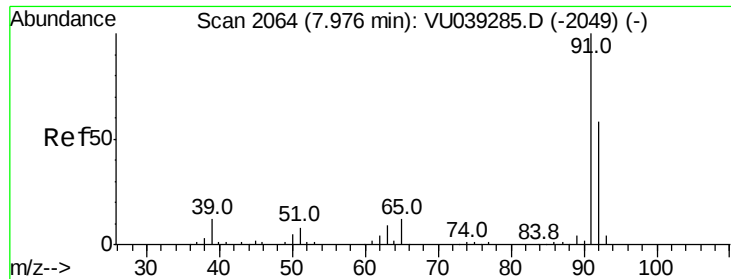


#40

4-Methyl-2-pentanone
 Concen: 49.149 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 43 Resp: 348584
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.3 45.5
 100 12.9 10.6 15.8





#42

Toluene

Concen: 5.165 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

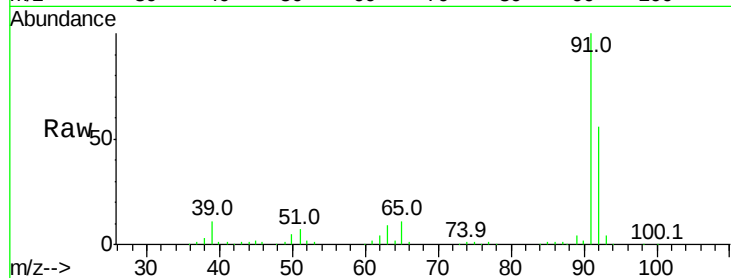
VSTD00501

Tgt Ion: 91 Resp: 168875

Ion Ratio Lower Upper

91 100

92 56.2 39.3 72.9



Abundance Ion 91.15 (90.85 to 91.85): VU039313.D (-2046) (-)

Ion 92.15 (91.85 to 92.85): VU039313.D (-2046) (-)

7.98

100000

80000

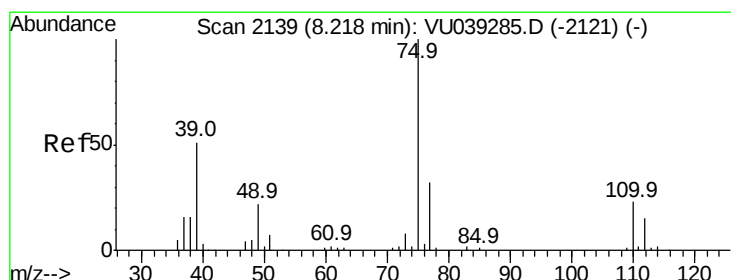
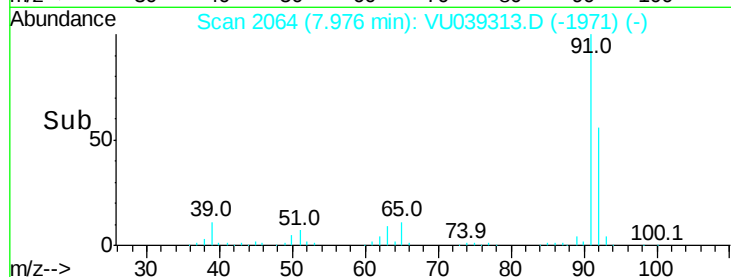
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.883 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039313.D

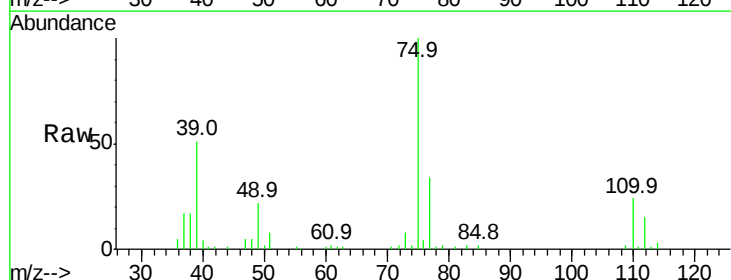
Acq: 07 Jul 2020 13:49

Tgt Ion: 75 Resp: 57287

Ion Ratio Lower Upper

75 100

77 33.8 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VU039313.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039313.D (-2046) (-)

8.22

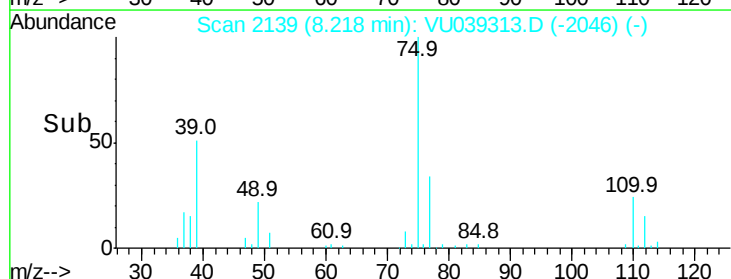
30000

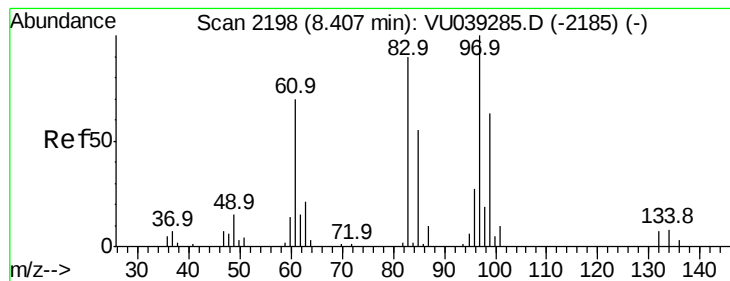
20000

10000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.965 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleID :

VSTD00501

Tgt Ion: 97 Resp: 30947

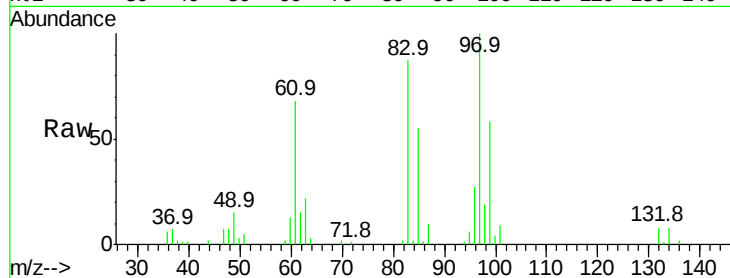
Ion Ratio Lower Upper

97 100

99 58.2 42.5 78.9

83 86.6 62.2 115.4

85 54.7 38.7 71.9

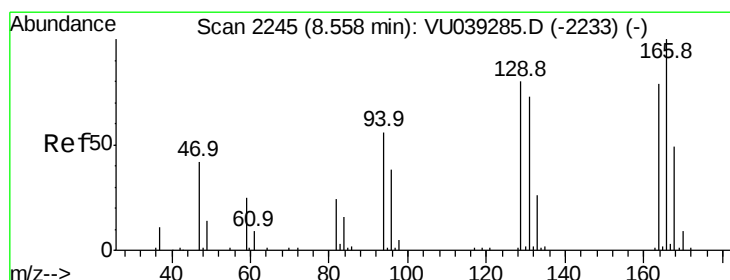
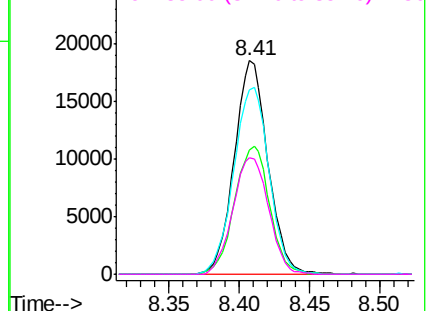
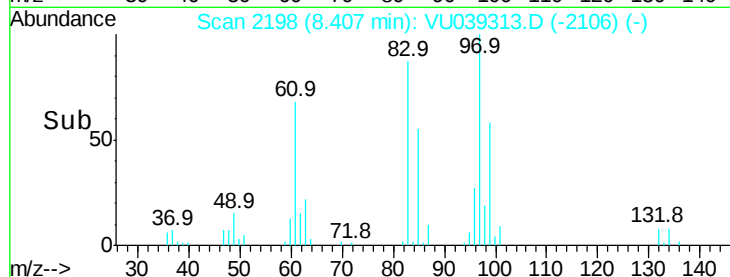


Abundance Ion 96.95 (96.65 to 97.65): VU039313.D (-2106) (-)

Ion 99.05 (98.75 to 99.75): VU039313.D (-2106) (-)

Ion 82.95 (82.65 to 83.65): VU039313.D (-2106) (-)

Ion 85.00 (84.70 to 85.70): VU039313.D (-2106) (-)



#47

Tetrachloroethene

Concen: 5.233 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Tgt Ion: 164 Resp: 28485

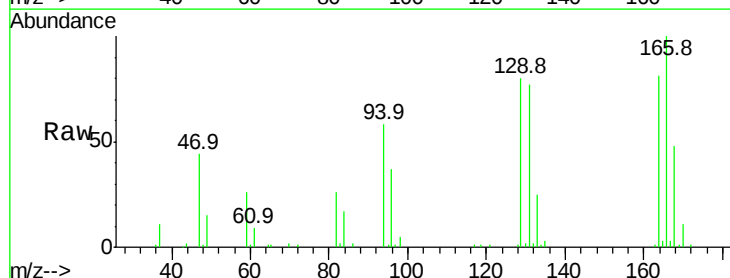
Ion Ratio Lower Upper

164 100

129 98.0 70.5 130.9

131 94.9 68.7 127.5

166 122.7 94.9 176.3

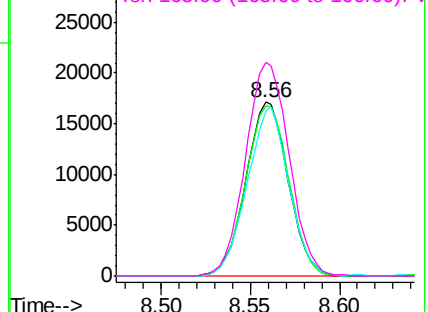
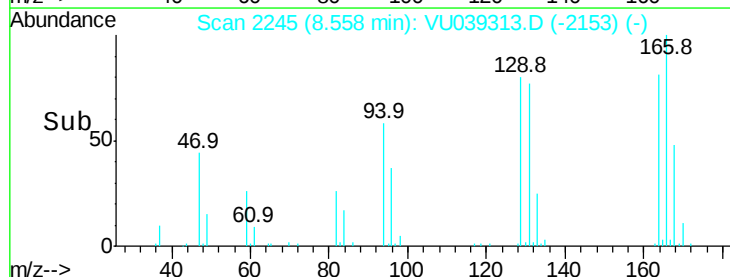


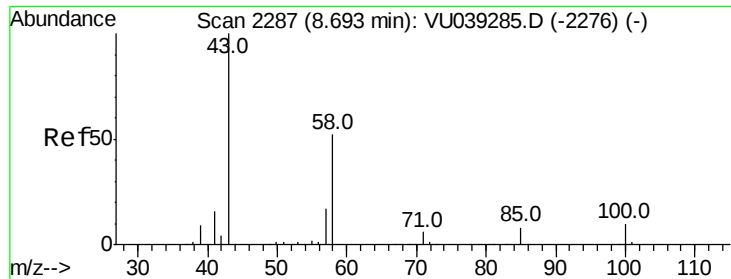
Abundance Ion 163.90 (163.60 to 164.60): VU039313.D (-2153) (-)

Ion 128.95 (128.65 to 129.65): VU039313.D (-2153) (-)

Ion 130.95 (130.65 to 131.65): VU039313.D (-2153) (-)

Ion 165.90 (165.60 to 166.60): VU039313.D (-2153) (-)

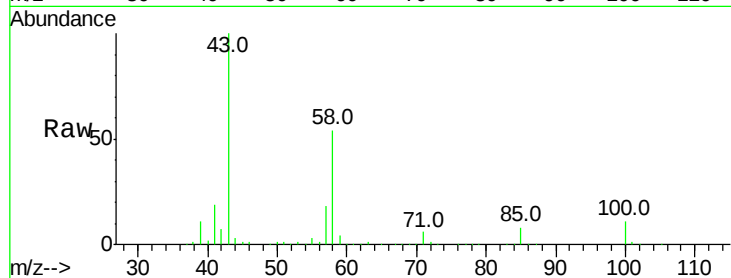




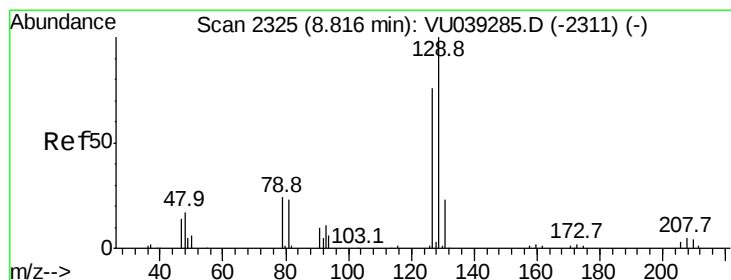
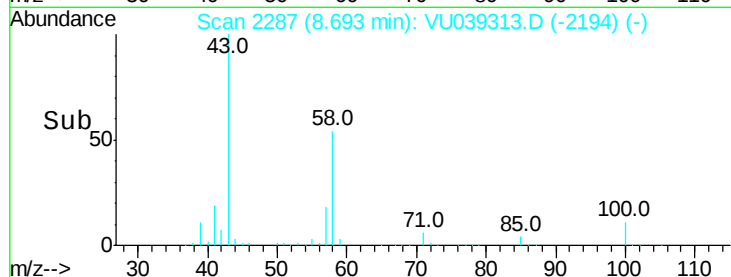
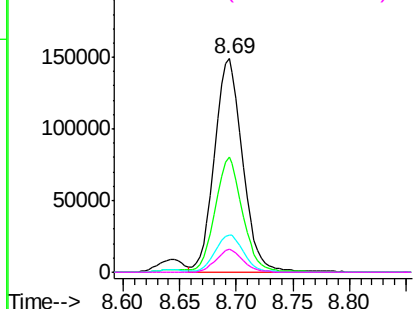
#48
2-Hexanone
Concen: 48.679 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion: 43 Resp: 256762
Ion Ratio Lower Upper
43 100
58 52.5 43.1 64.7
57 17.5 14.4 21.6
100 10.2 8.3 12.5

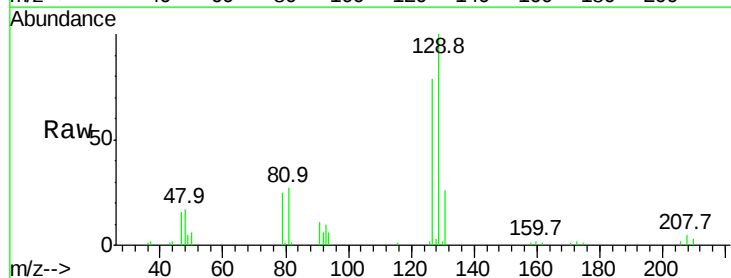


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

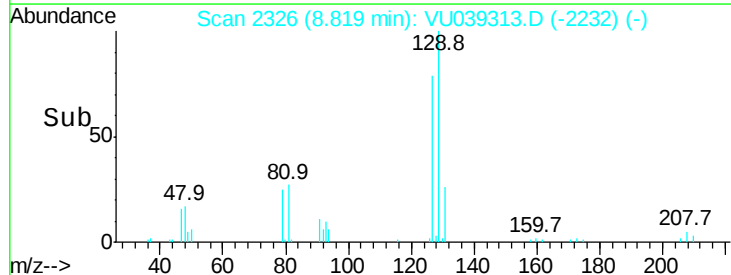
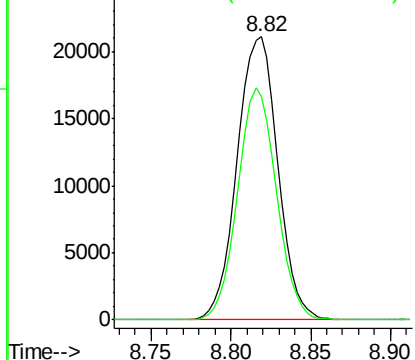


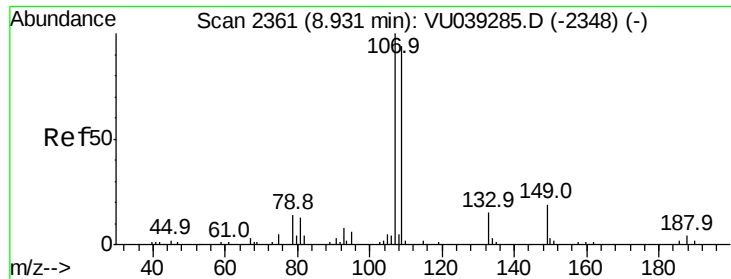
#49
Dibromochloromethane
Concen: 4.675 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion: 129 Resp: 36587
Ion Ratio Lower Upper
129 100
127 79.1 52.6 97.8



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

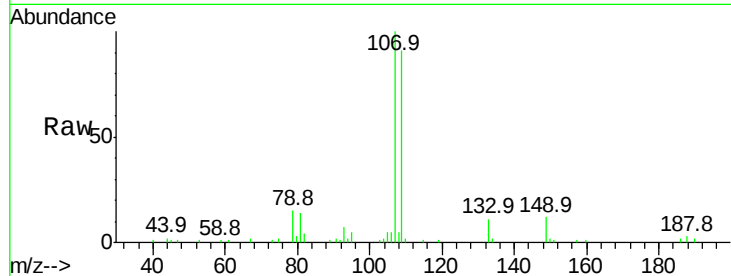




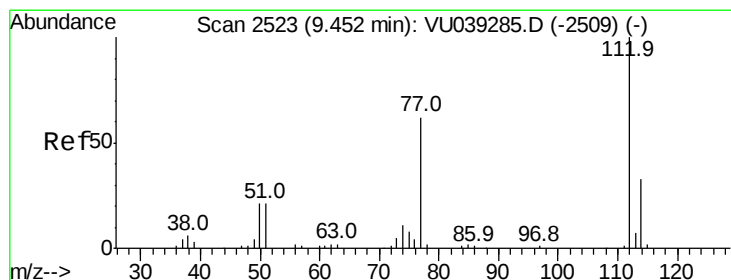
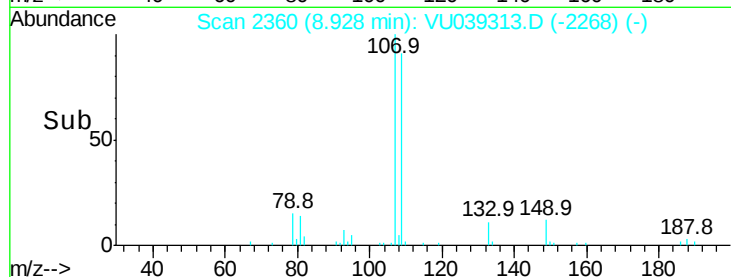
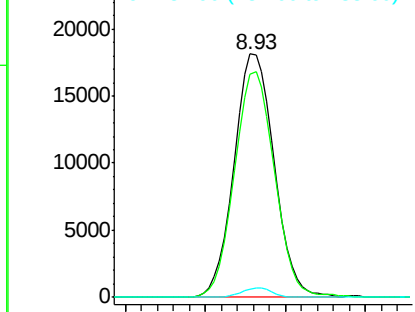
#50
1,2-Dibromoethane
Concen: 4.948 ug/L
RT: 8.93 min Scan# 2360
Delta R.T. -0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:107 Resp: 31008
Ion Ratio Lower Upper
107 100
109 91.4 64.8 120.4
188 3.2 2.7 4.1

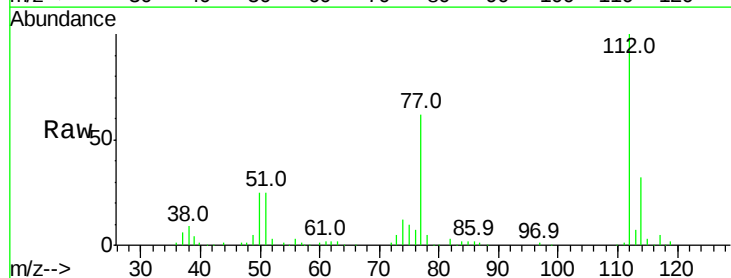


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

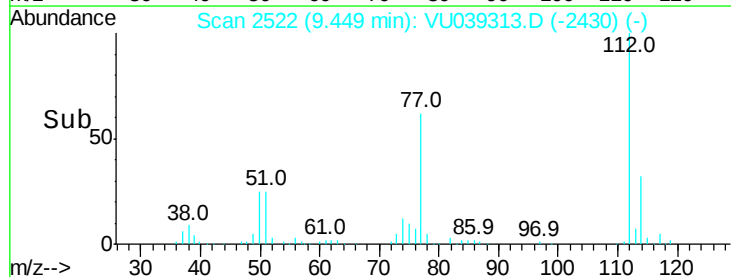
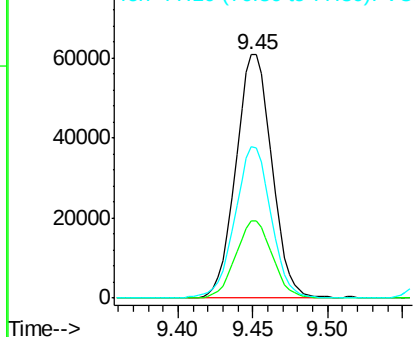


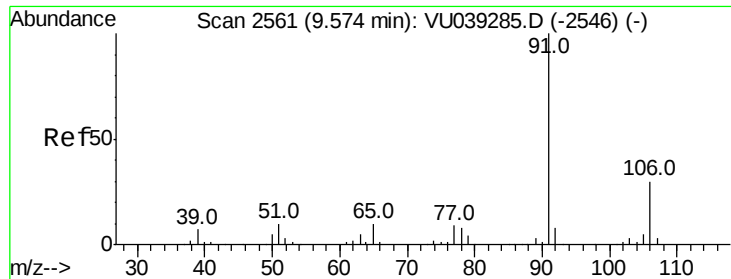
#51
Chlorobenzene
Concen: 5.055 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion:112 Resp: 102208
Ion Ratio Lower Upper
112 100
114 31.6 21.9 40.7
77 62.4 48.2 72.4



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: 5.101 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

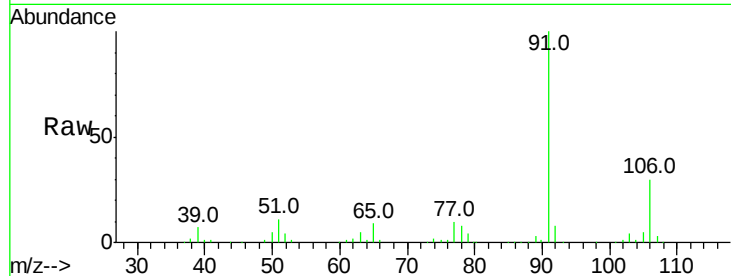
VSTD00501

Tgt Ion: 91 Resp: 185633

Ion Ratio Lower Upper

91 100

106 30.5 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VU039285.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU039285.D (-2546) (-)

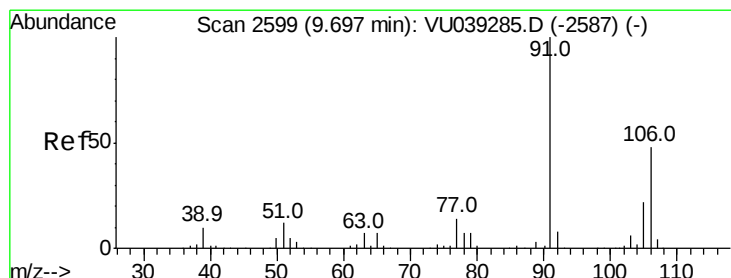
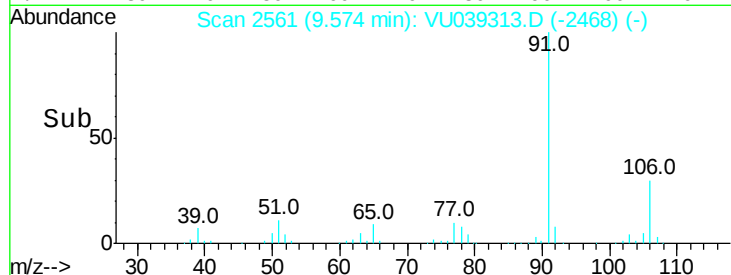
9.57

100000

50000

0

Time-->



#53

m,p-Xylene

Concen: 5.054 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU039313.D

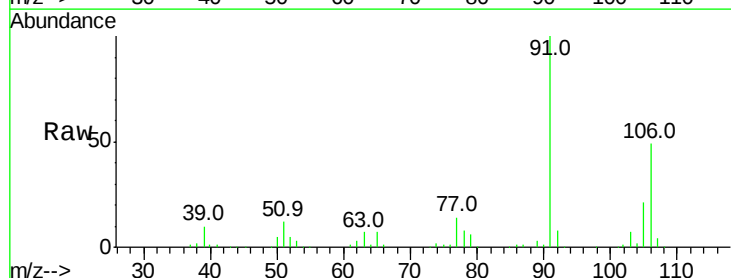
Acq: 07 Jul 2020 13:49

Tgt Ion: 106 Resp: 69379

Ion Ratio Lower Upper

106 100

91 205.7 146.6 272.2



Abundance Ion 106.15 (105.85 to 106.85): VU039285.D (-2587) (-)

Ion 91.15 (90.85 to 91.85): VU039285.D (-2587) (-)

9.70

100000

80000

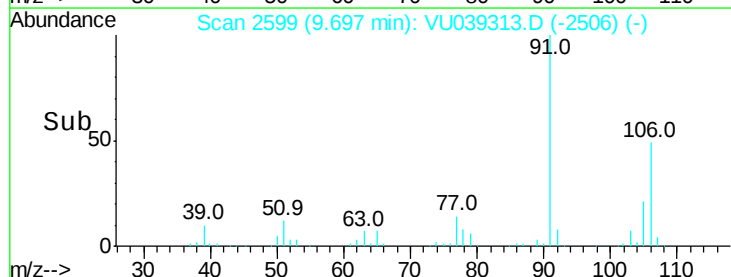
60000

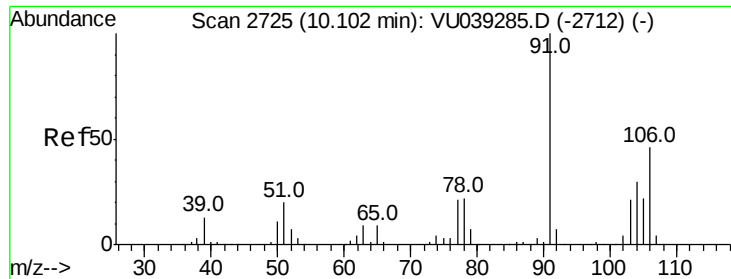
40000

20000

0

Time-->

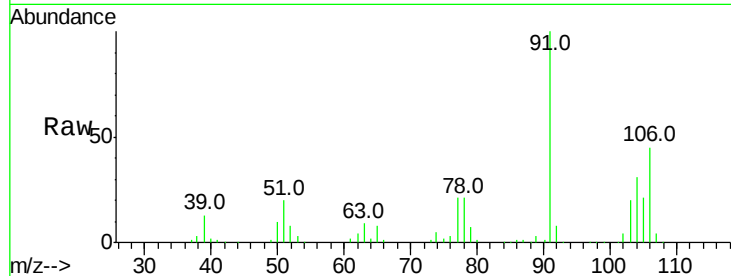




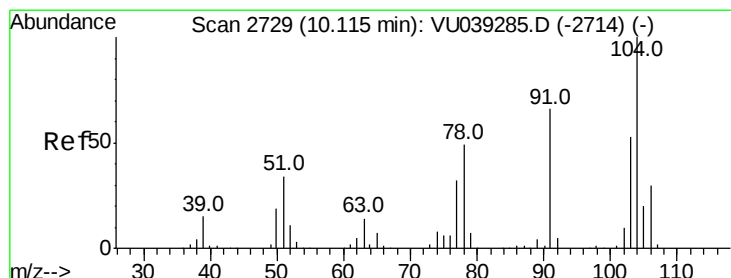
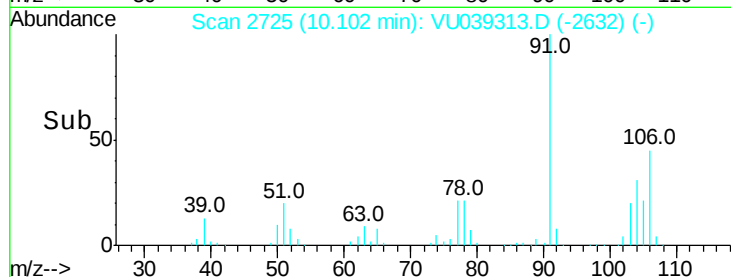
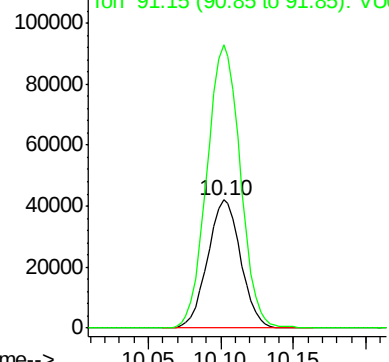
#54
o-Xylene
Concen: 4.890 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Instrument :
MSVOA_U
ClientSampleId :
VSTD00501

Tgt Ion:106 Resp: 66549
Ion Ratio Lower Upper
106 100
91 220.9 153.6 285.3

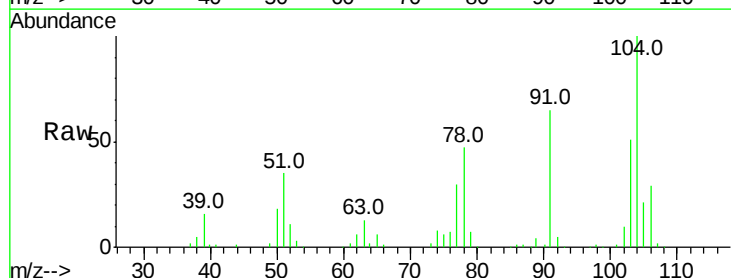


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

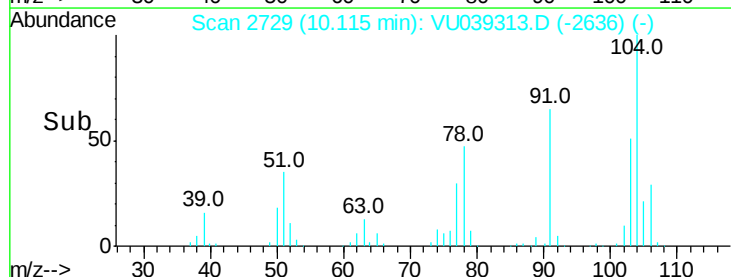
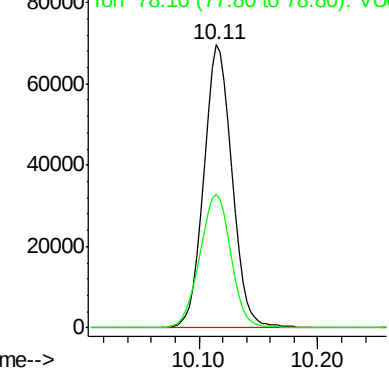


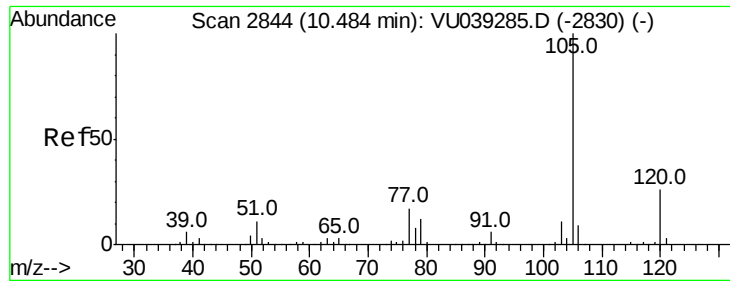
#55
Styrene
Concen: 4.814 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU039313.D
Acq: 07 Jul 2020 13:49

Tgt Ion:104 Resp: 114548
Ion Ratio Lower Upper
104 100
78 47.3 35.5 65.9



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





#56

Isopropylbenzene

Concen: 4.929 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

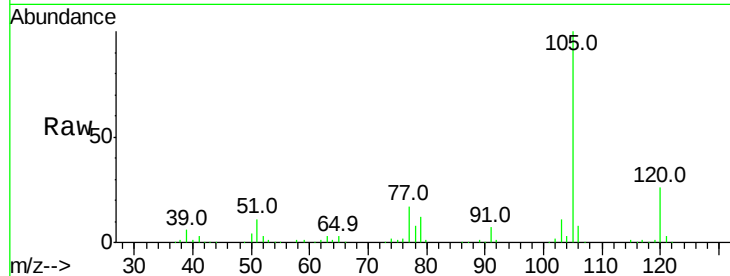
Tgt Ion:105 Resp: 181631

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

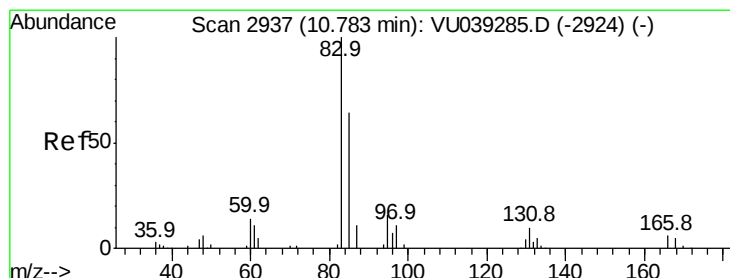
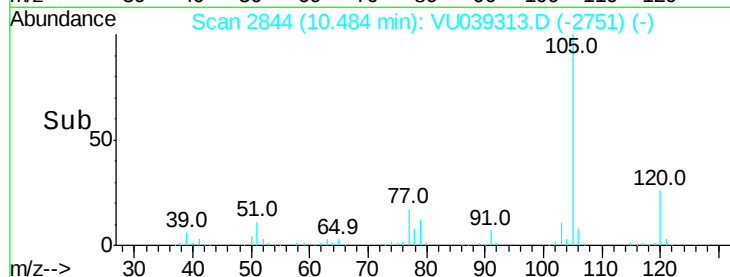
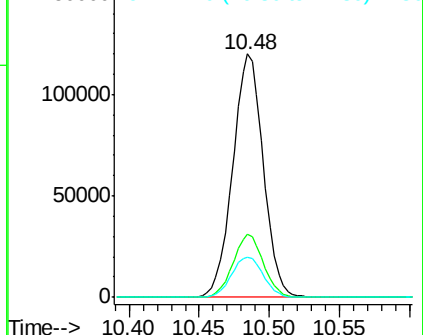
77 17.4 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.760 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

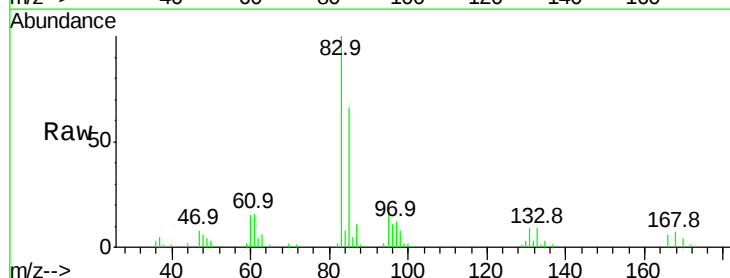
Tgt Ion: 83 Resp: 41911

Ion Ratio Lower Upper

83 100

85 65.9 43.0 79.8

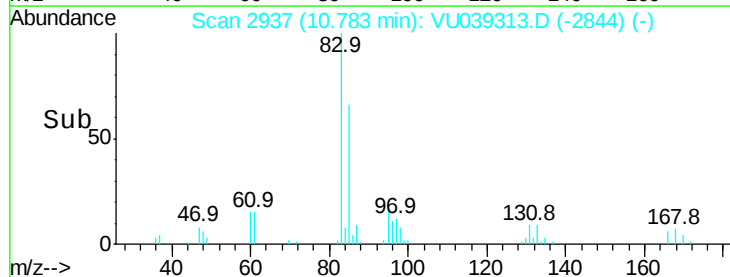
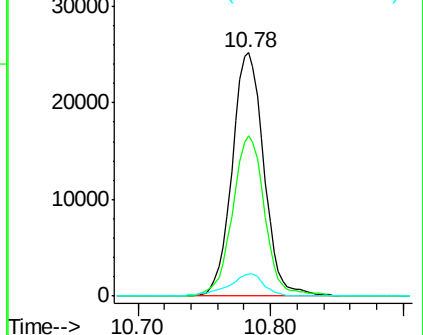
131 9.2 7.4 11.2

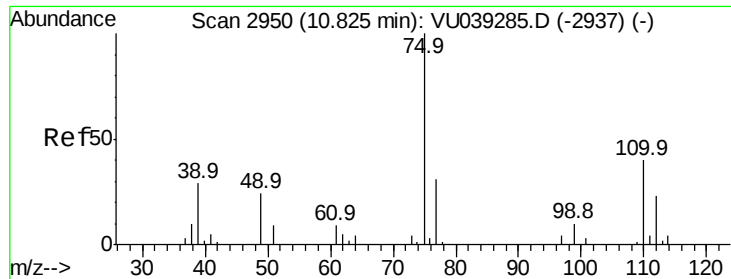


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

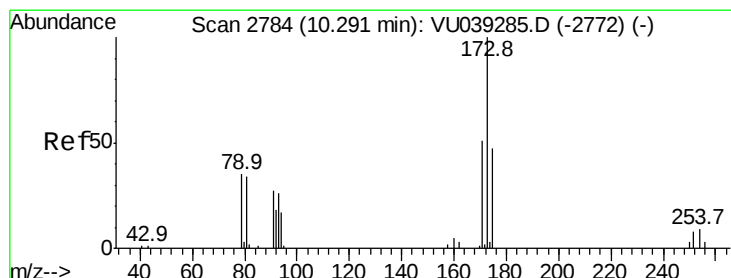
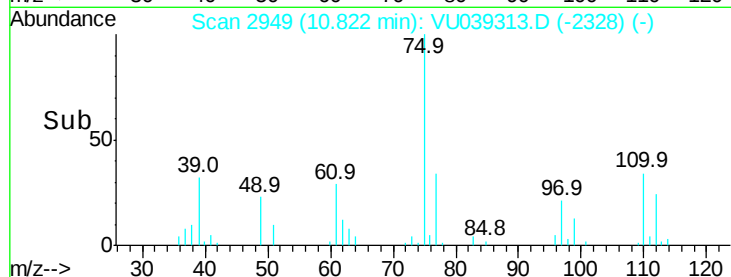
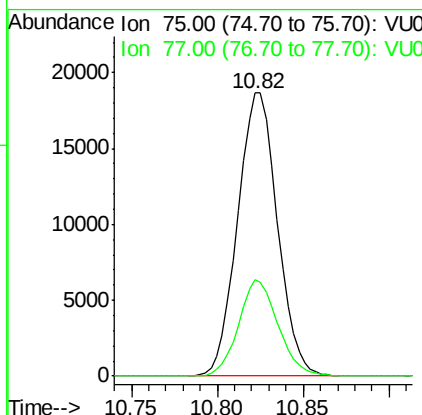
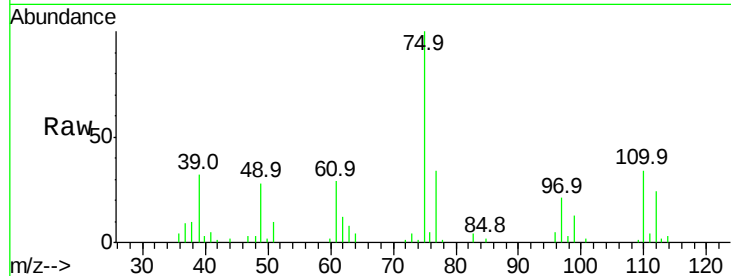




#59
 1,2,3-Trichloropropane
 Concen: 4.768 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

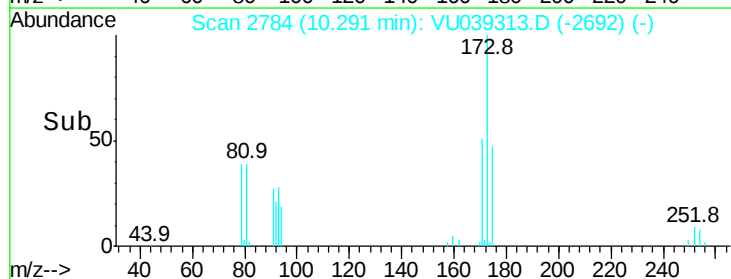
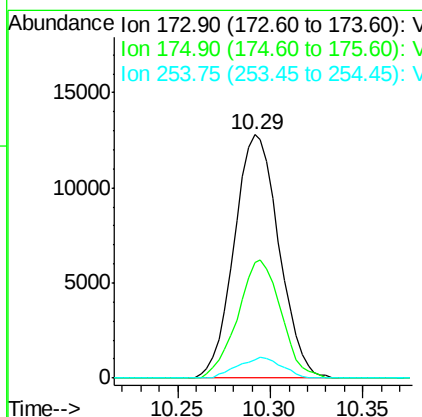
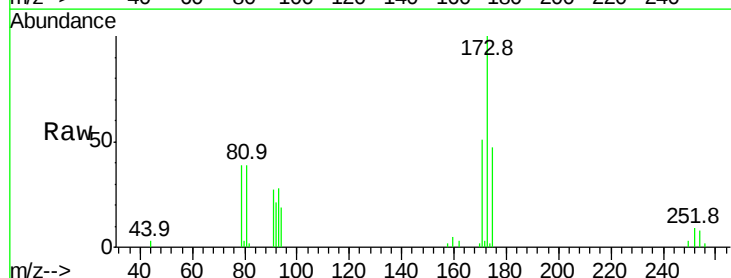
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

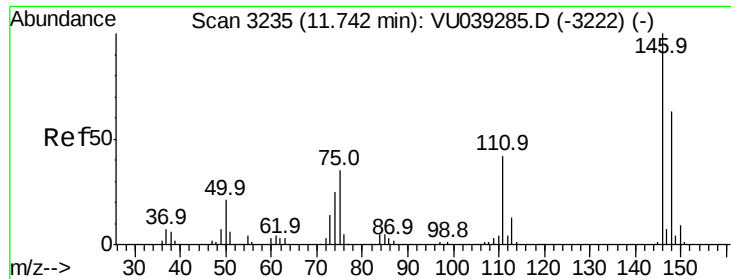
Tgt Ion: 75 Resp: 30030
 Ion Ratio Lower Upper
 75 100
 77 33.5 27.7 41.5



#61
 Bromoform
 Concen: 4.636 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion: 173 Resp: 21397
 Ion Ratio Lower Upper
 173 100
 175 46.9 39.3 58.9
 254 8.4 7.1 10.7

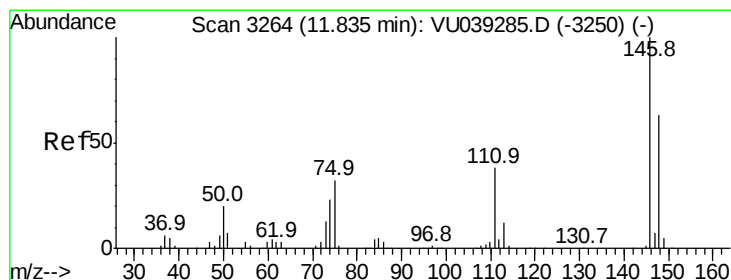
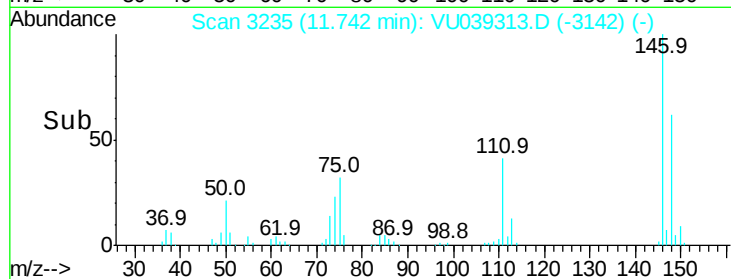
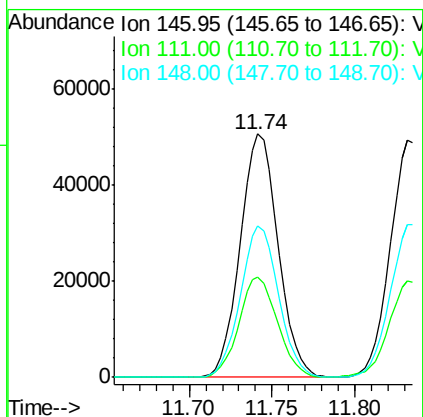
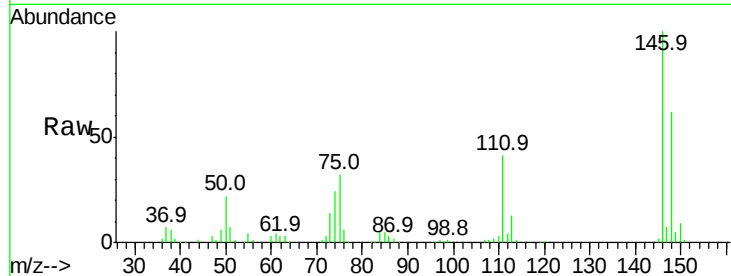




#62
 1,3-Dichlorobenzene
 Concen: 4.943 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

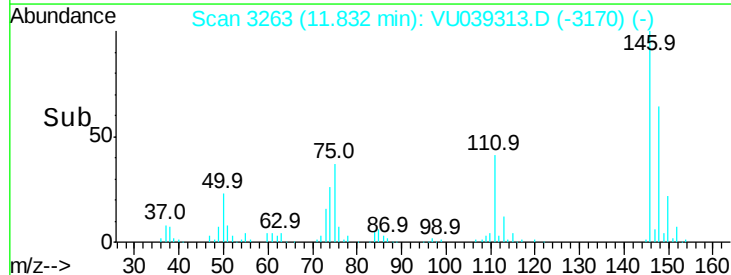
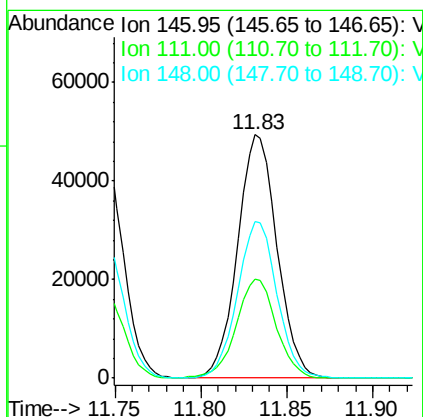
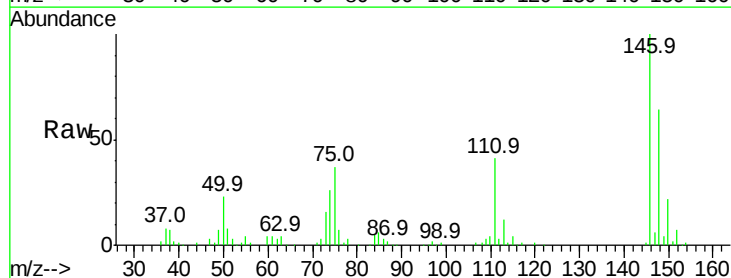
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

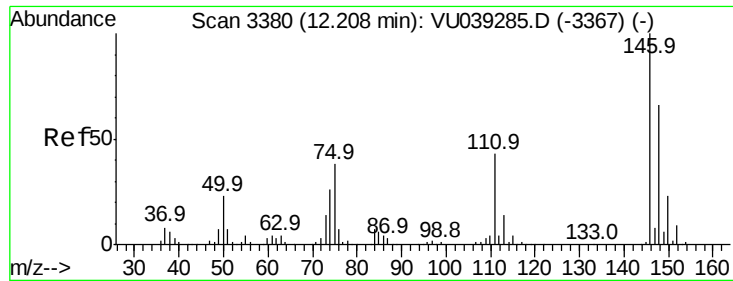
Tgt Ion:146 Resp: 80405
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.4 54.6
 148 62.2 42.0 78.0



#63
 1,4-Dichlorobenzene
 Concen: 4.941 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion:146 Resp: 78948
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.3 52.5
 148 64.3 45.8 85.2





#65

1,2-Dichlorobenzene

Concen: 4.931 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

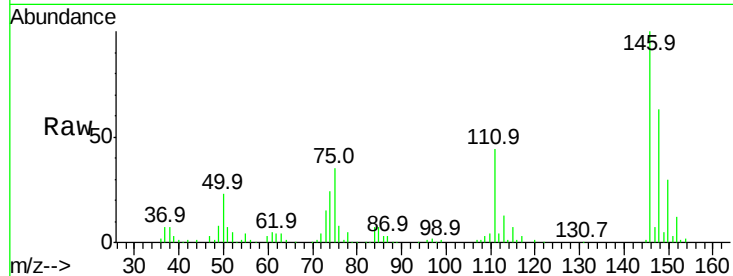
Tgt Ion:146 Resp: 78585

Ion Ratio Lower Upper

146 100

111 43.7 31.9 47.9

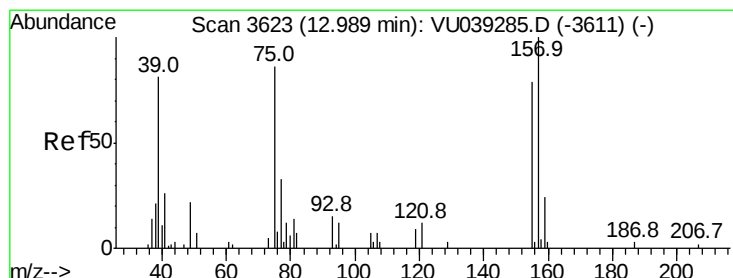
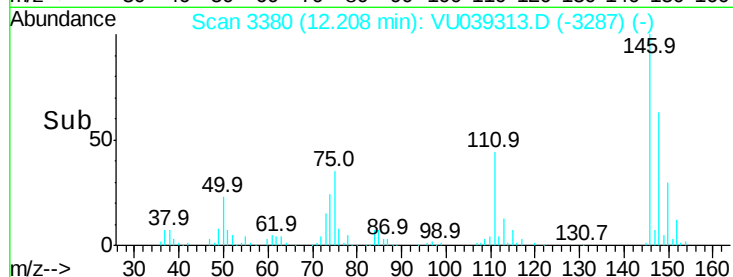
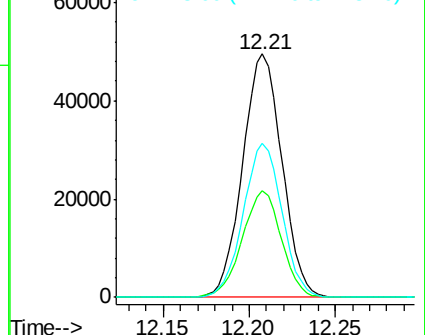
148 63.2 50.6 76.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.712 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

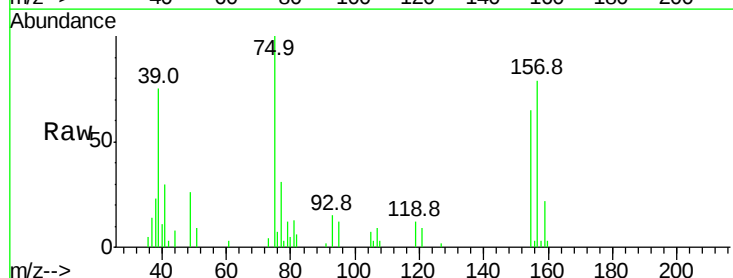
Tgt Ion: 75 Resp: 7490

Ion Ratio Lower Upper

75 100

155 64.9 58.6 88.0

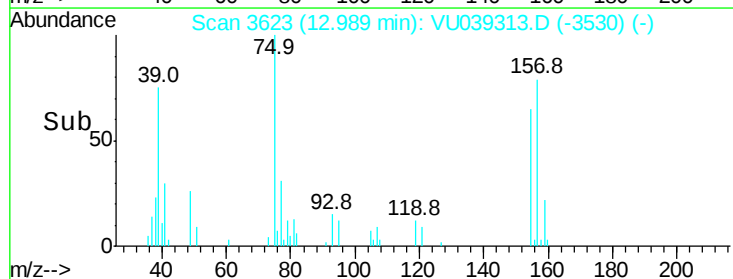
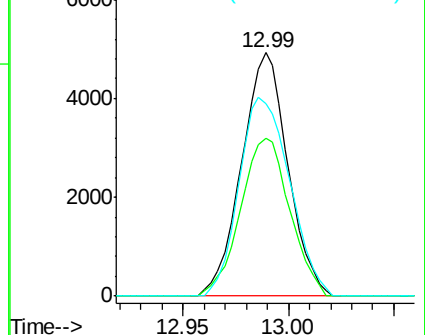
157 79.0 71.4 107.0

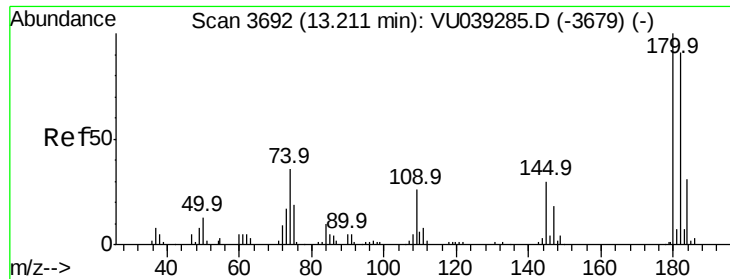


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

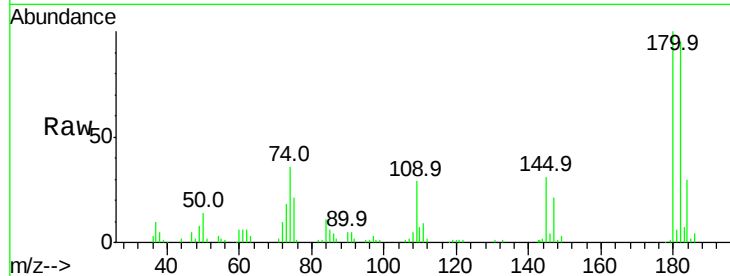




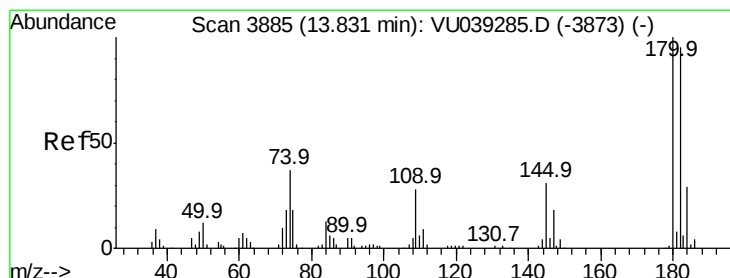
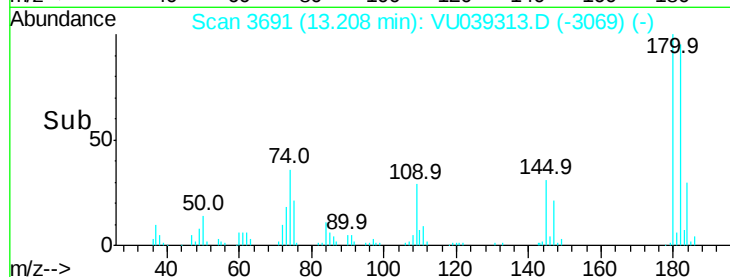
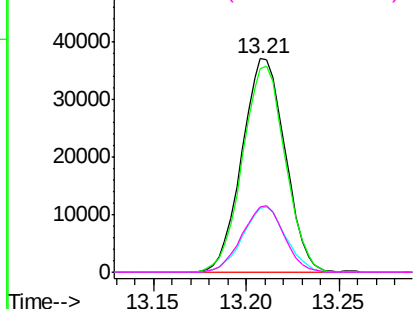
#67
 1,3,5-Trichlorobenzene
 Concen: 4.999 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00501

Tgt Ion:180 Resp: 59750
 Ion Ratio Lower Upper
 180 100
 182 95.3 74.7 112.1
 184 30.3 23.7 35.5
 145 30.2 24.2 36.4

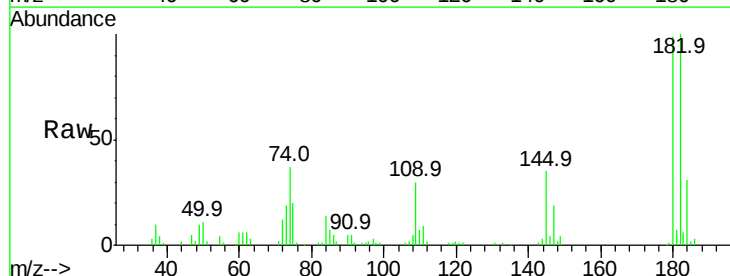


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

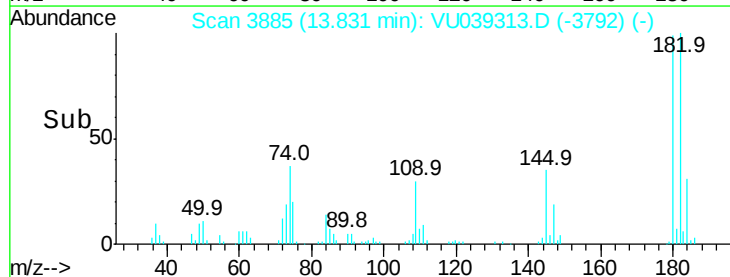
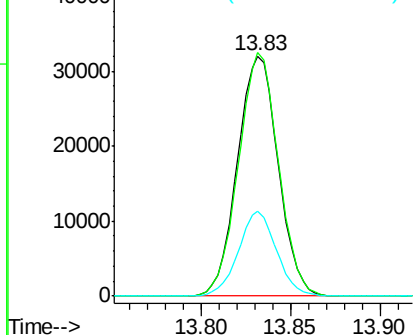


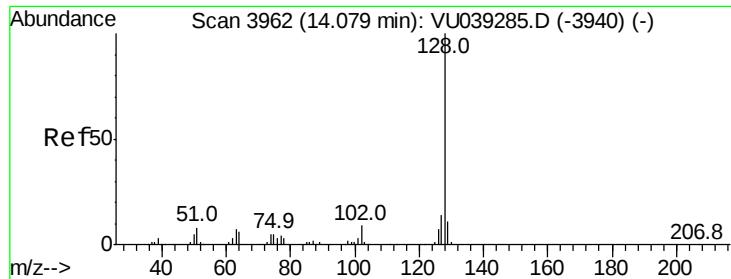
#68
 1,2,4-trichlorobenzene
 Concen: 4.938 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039313.D
 Acq: 07 Jul 2020 13:49

Tgt Ion:180 Resp: 51036
 Ion Ratio Lower Upper
 180 100
 182 99.3 77.6 116.4
 145 33.0 24.7 37.1



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: 5.008 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

Instrument :

MSVOA_U

ClientSampleId :

VSTD00501

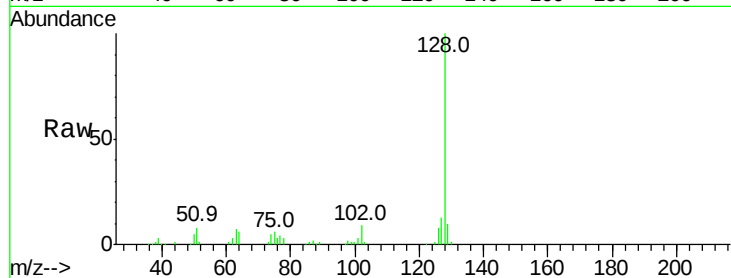
Tgt Ion:128 Resp: 99235

Ion Ratio Lower Upper

128 100

129 10.8 8.3 12.5

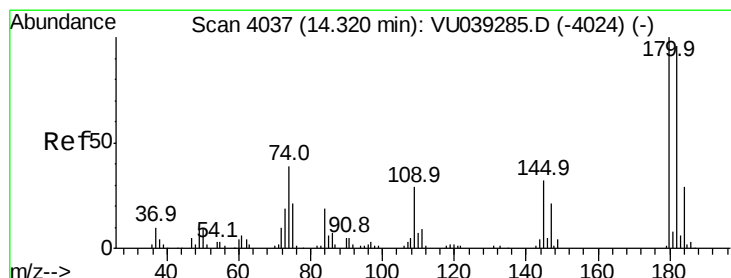
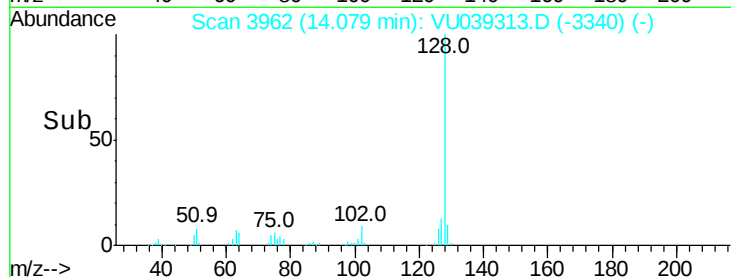
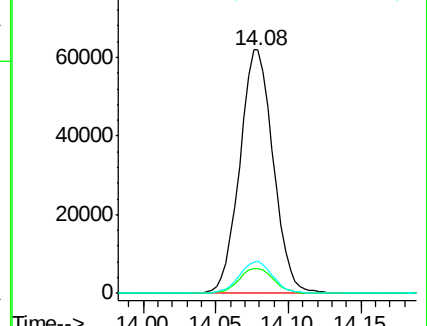
127 13.0 10.7 16.1



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: 5.074 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. -0.00 min

Lab File: VU039313.D

Acq: 07 Jul 2020 13:49

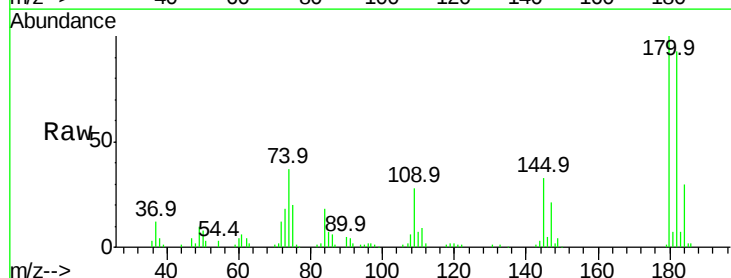
Tgt Ion:180 Resp: 47822

Ion Ratio Lower Upper

180 100

182 92.7 77.8 116.6

145 34.5 25.7 38.5



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

