

Data File : VU039314.D
Acq On : 07 Jul 2020 14:12
Operator : SY/MD
Sample : VSTD010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Quant Time: Jul 07 14:46:00 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	6.27	114	123136	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118280	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57296	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	71190	7.52	ug/L	0.00
7) Chloroethane-d5	1.93	69	76683	8.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	139337	7.91	ug/L	0.00
20) 2-Butanone-d5	4.65	46	342317	95.91	ug/L	0.00
24) Chloroform-d	5.09	84	156246	8.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	97222	8.66	ug/L	0.00
32) Benzene-d6	5.74	84	288293	7.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.71	67	101087	8.36	ug/L	0.00
41) Toluene-d8	7.91	98	250448	7.48	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	45895	8.21	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	271958	92.26	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.76	84	100163	8.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	102813	7.95	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	69392	9.910 ug/L	98
3) Chloromethane	1.53	50	80800	9.055 ug/L	98
5) Vinyl chloride	1.61	62	93714	10.215 ug/L	99
6) Bromomethane	1.87	94	42459	7.549 ug/L	96
8) Chloroethane	1.94	64	71574	11.399 ug/L	100
9) Trichlorofluoromethane	2.15	101	173072	10.786 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	68059	9.727 ug/L	100
12) 1,1-Dichloroethene	2.59	96	68376	9.803 ug/L	94
13) Acetone	2.66	43	163977	97.096 ug/L	100
14) Carbon disulfide	2.81	76	238841	10.739 ug/L	98
15) Methyl Acetate	2.97	43	41193	9.749 ug/L	99
16) Methylene chloride	3.06	84	80478	9.059 ug/L	97
17) Methyl tert-butyl Ether	3.38	73	217590	9.483 ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	76039	10.027 ug/L	94
19) 1,1-Dichloroethane	3.89	63	147752	9.724 ug/L	97
21) 2-Butanone	4.74	43	296679	96.520 ug/L	100
22) cis-1,2-Dichloroethene	4.69	96	84164	9.740 ug/L	99
23) Bromochloromethane	5.00	128	39476	10.139 ug/L	95
25) Chloroform	5.11	83	151258	9.557 ug/L	100
27) 1,2-Dichloroethane	5.81	62	110855	9.721 ug/L	100
29) 1,1,1-Trichloroethane	5.34	97	132029	9.719 ug/L	98
30) Cyclohexane	5.41	56	135388	9.950 ug/L	99
31) Carbon tetrachloride	5.55	117	110060	9.635 ug/L	100
33) Benzene	5.79	78	327220	9.816 ug/L	100
34) Trichloroethene	6.56	95	85089	9.900 ug/L	98
35) Methylcyclohexane	6.77	83	137361	9.980 ug/L	98
37) 1,2-Dichloropropane	6.81	63	89993	9.677 ug/L	99
38) Bromodichloromethane	7.12	83	114699	9.460 ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	138708	9.594 ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	741420	94.200 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.98	91	352475	9.714	ug/L	99
44) trans-1,3-Dichloropropene	8.22	75	124988	9.600	ug/L	96
45) 1,1,2-Trichloroethane	8.41	97	65789	9.511	ug/L	95
47) Tetrachloroethene	8.56	164	59418	9.837	ug/L	97
48) 2-Hexanone	8.69	43	551401	94.201	ug/L	99
49) Dibromochloromethane	8.82	129	80162	9.230	ug/L	99
50) 1,2-Dibromoethane	8.93	107	66097	9.504	ug/L	97
51) Chlorobenzene	9.45	112	214838	9.575	ug/L	99
52) Ethylbenzene	9.57	91	388023	9.609	ug/L	100
53) m,p-Xylene	9.70	106	145484	9.550	ug/L	97
54) o-Xylene	10.10	106	145125	9.610	ug/L	98
55) Styrene	10.11	104	245209	9.287	ug/L	99
56) Isopropylbenzene	10.48	105	376769	9.213	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.78	83	88789	9.086	ug/L	96
59) 1,2,3-Trichloropropane	10.82	75	64791	9.270	ug/L	98
61) Bromoform	10.29	173	48681	9.530	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	165995	9.219	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	166885	9.436	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	163736	9.283	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	16632	9.454	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	126186	9.538	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	115785	10.121	ug/L	95
69) Naphthalene	14.08	128	233328	10.639	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	107203	10.277	ug/L	99

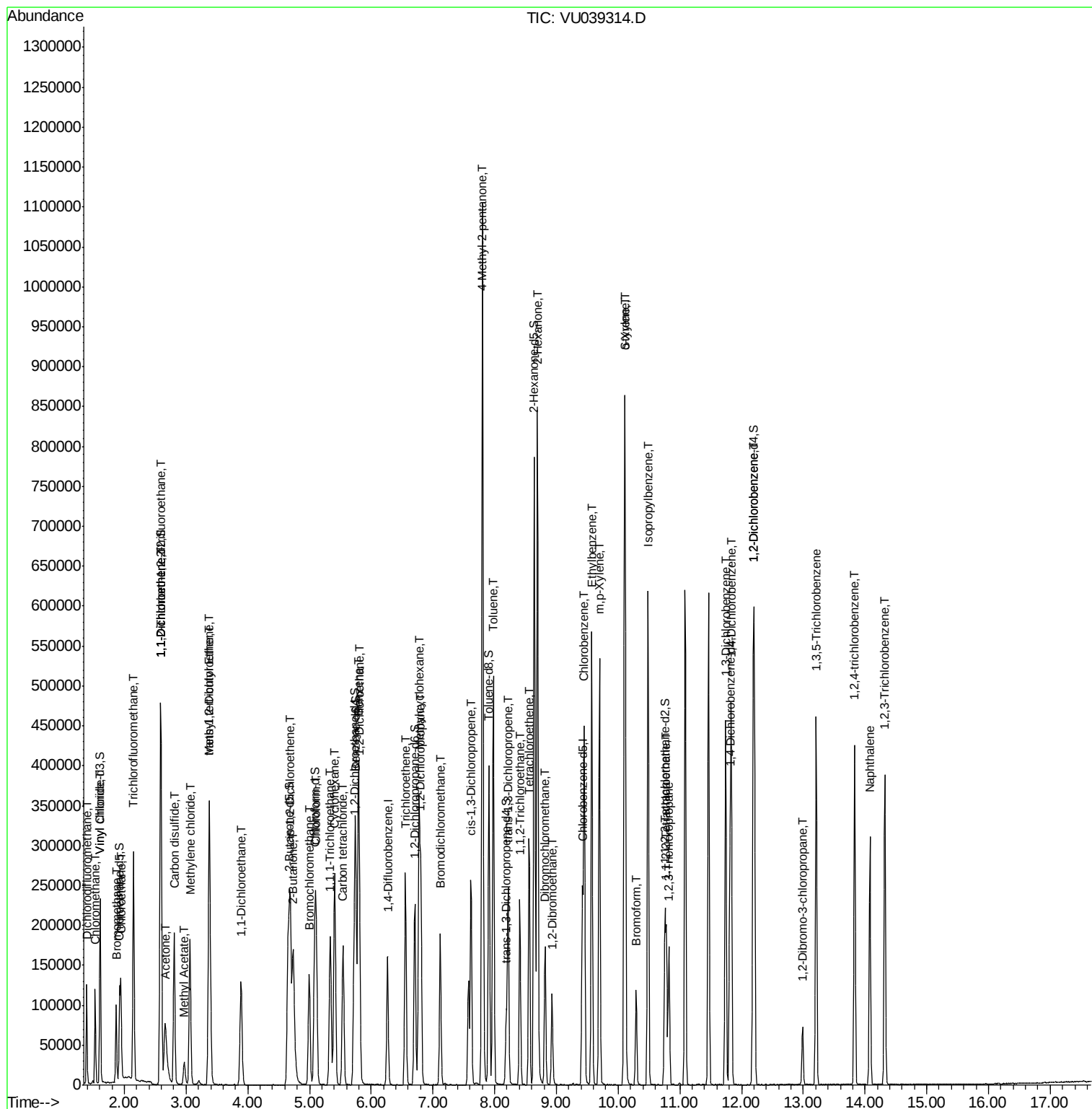
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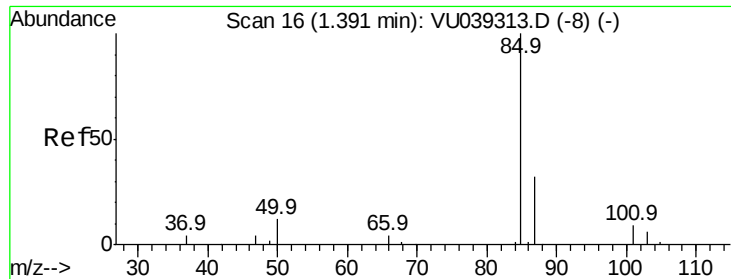
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#2

Dichlorodifluoromethane

Concen: 9.910 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

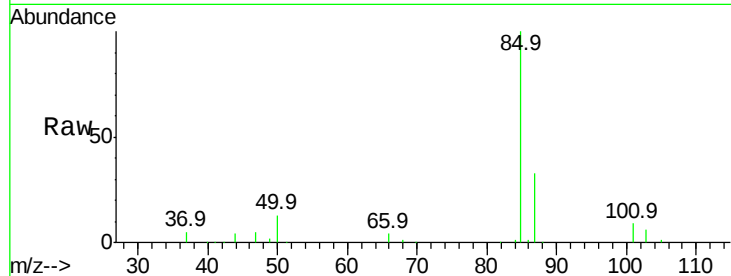
VSTD01002

Tgt Ion: 85 Resp: 69392

Ion Ratio Lower Upper

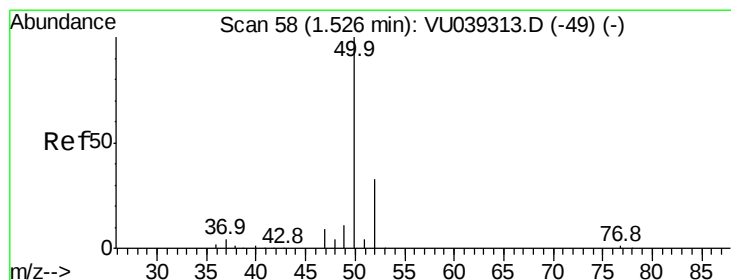
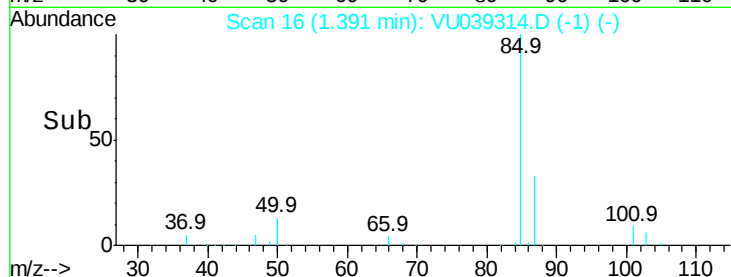
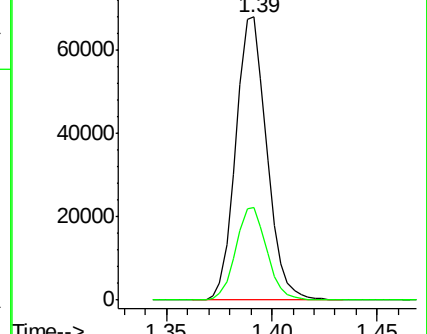
85 100

87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VU039314.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU039314.D (-8) (-)



#3

Chloromethane

Concen: 9.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039314.D

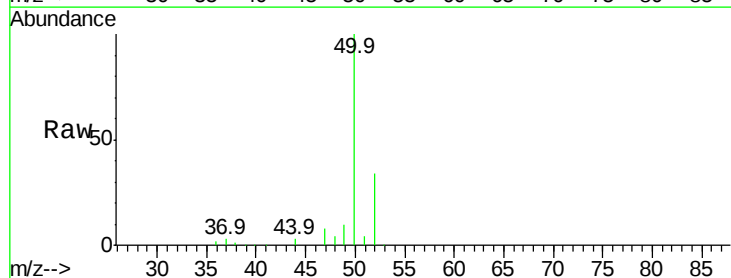
Acq: 07 Jul 2020 14:12

Tgt Ion: 50 Resp: 80800

Ion Ratio Lower Upper

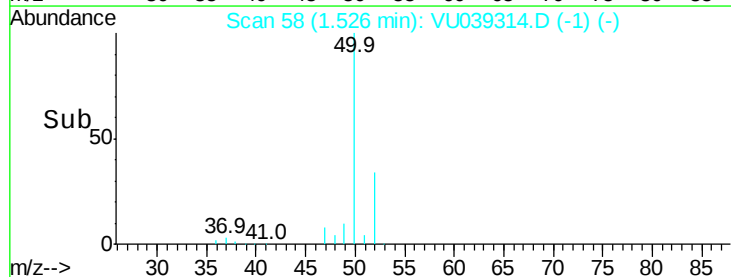
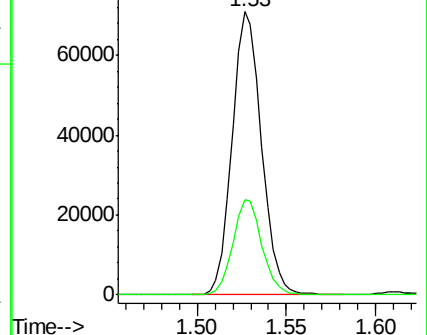
50 100

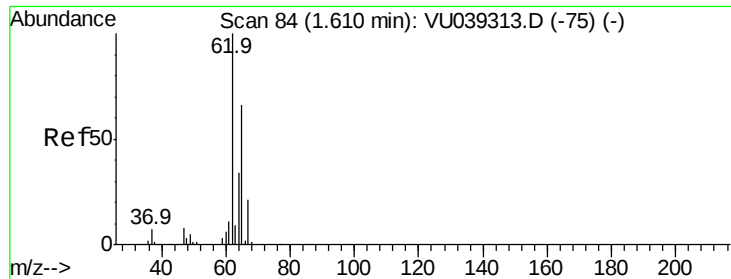
52 33.8 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VU039314.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU039314.D (-49) (-)





#5

Vinyl chloride

Concen: 10.215 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

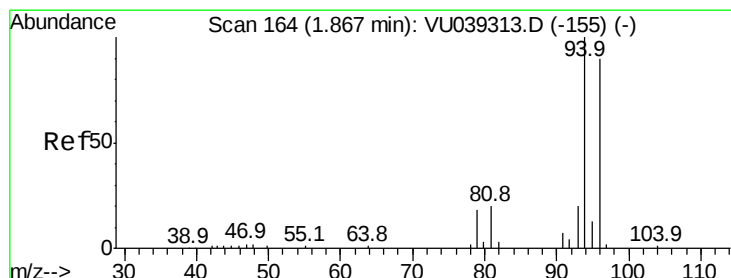
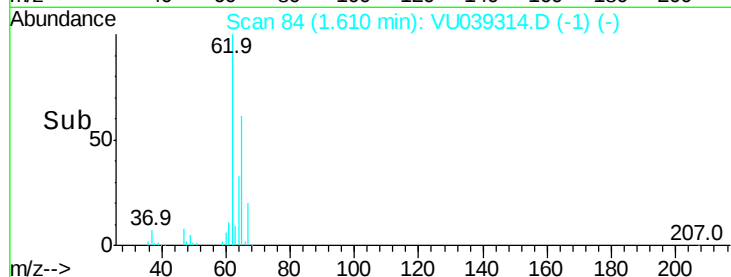
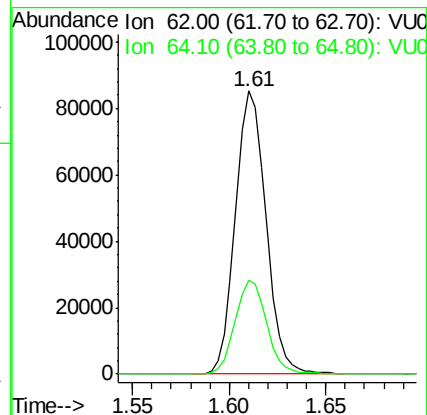
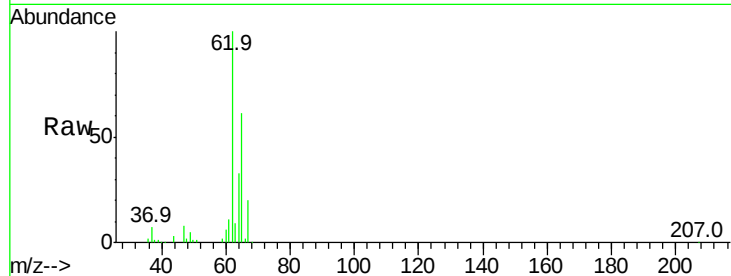
VSTD01002

Tgt Ion: 62 Resp: 93714

Ion Ratio Lower Upper

62 100

64 33.3 23.7 44.1



#6

Bromomethane

Concen: 7.549 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU039314.D

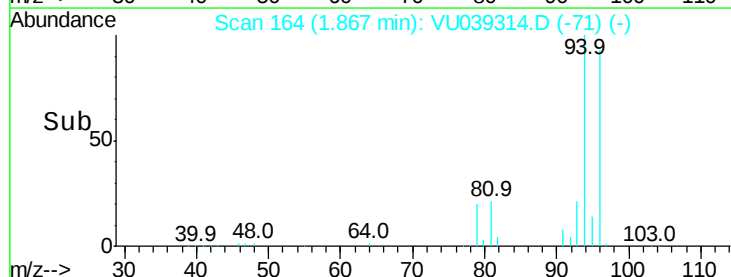
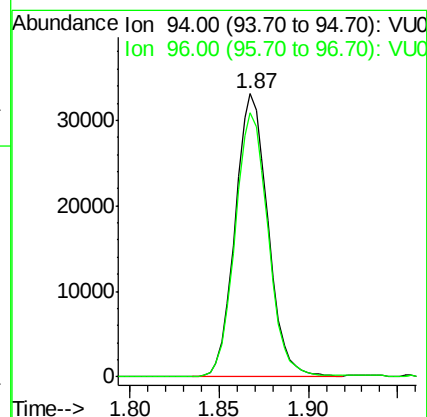
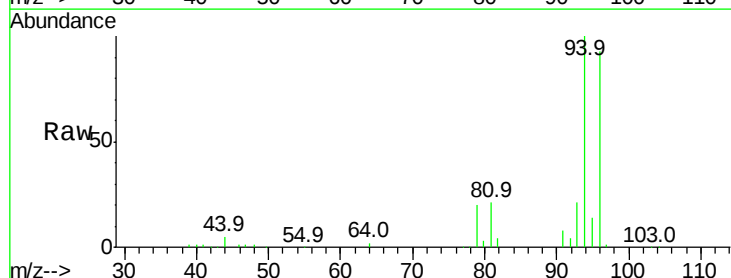
Acq: 07 Jul 2020 14:12

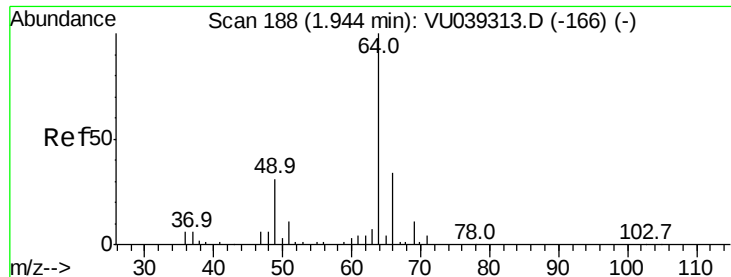
Tgt Ion: 94 Resp: 42459

Ion Ratio Lower Upper

94 100

96 93.4 62.7 116.5





#8

Chloroethane

Concen: 11.399 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

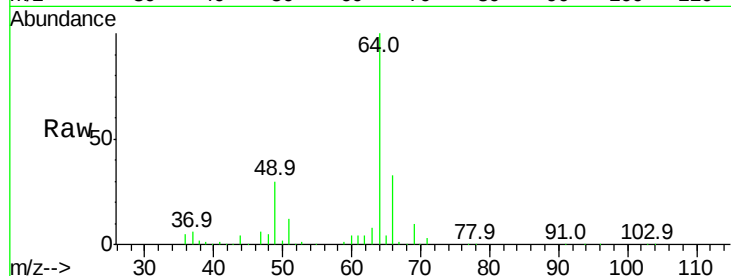
VSTD01002

Tgt Ion: 64 Resp: 71574

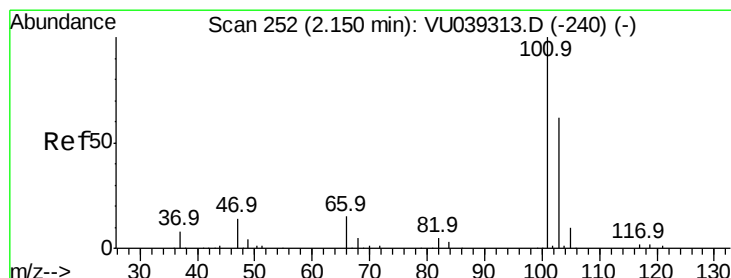
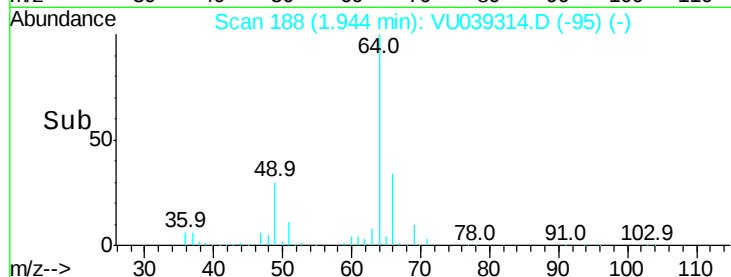
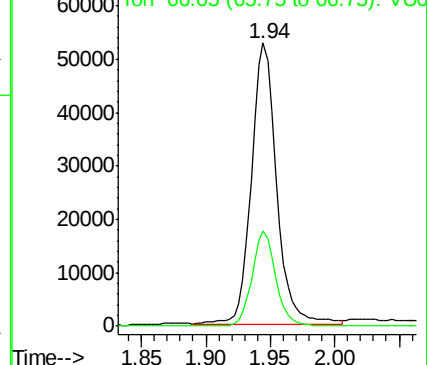
Ion Ratio Lower Upper

64 100

66 33.5 23.5 43.7



Abundance Ion 64.10 (63.80 to 64.80): VU039314.D (-166) (-)



#9

Trichlorofluoromethane

Concen: 10.786 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU039314.D

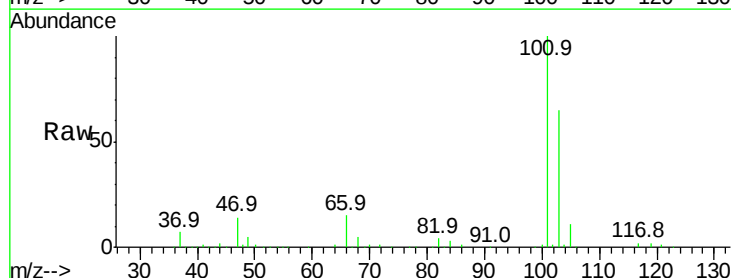
Acq: 07 Jul 2020 14:12

Tgt Ion: 101 Resp: 173072

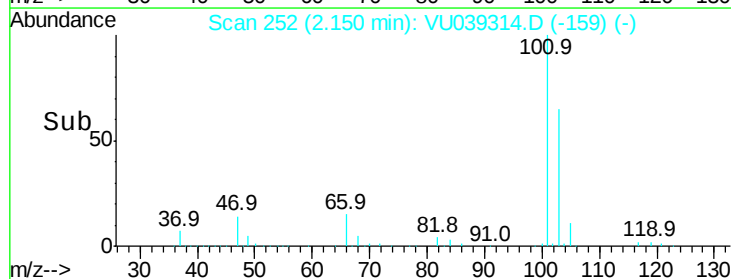
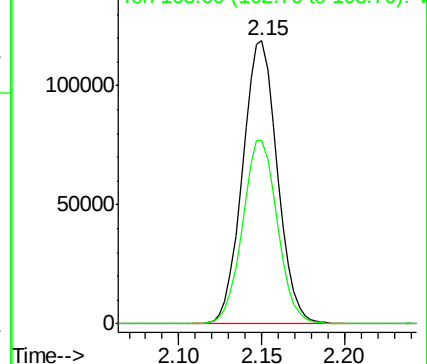
Ion Ratio Lower Upper

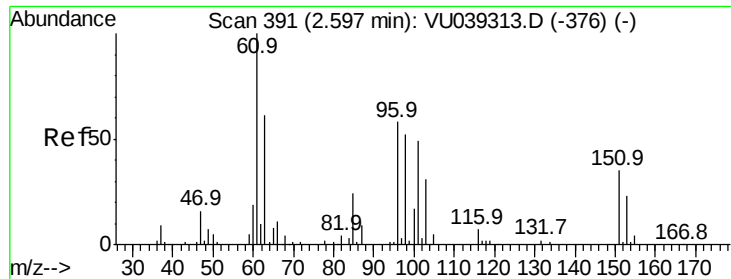
101 100

103 64.8 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): VU039314.D (-240) (-)





#10

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

Concen: 9.727 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

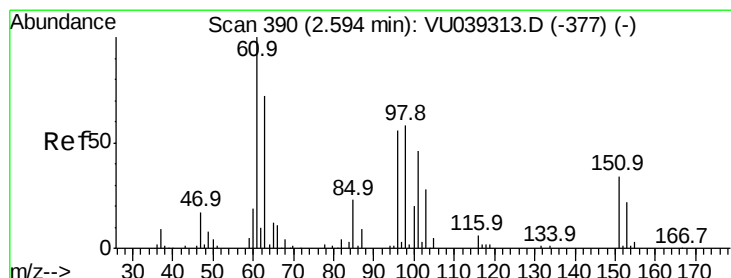
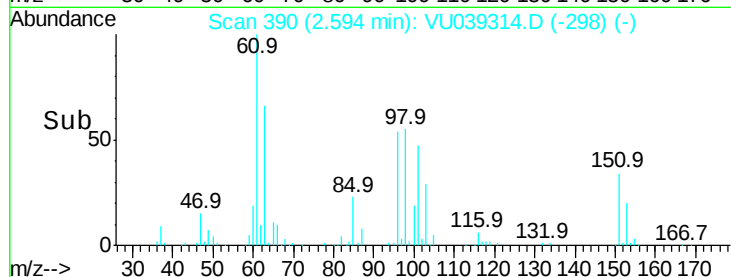
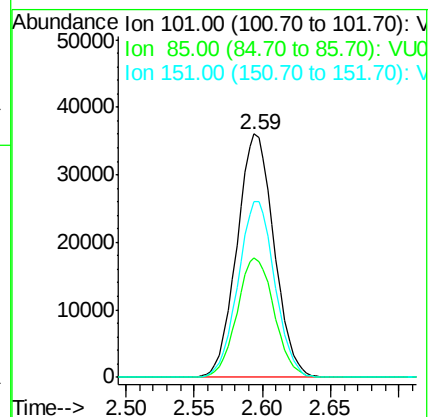
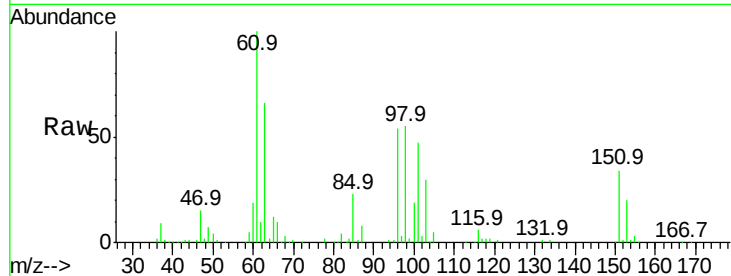
Tgt Ion:101 Resp: 68059

Ion Ratio Lower Upper

101 100

85 49.0 38.9 58.3

151 71.4 57.0 85.4



#12

1,1-Dichloroethene

Concen: 9.803 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

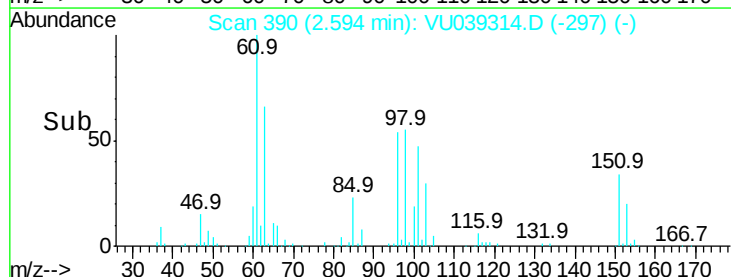
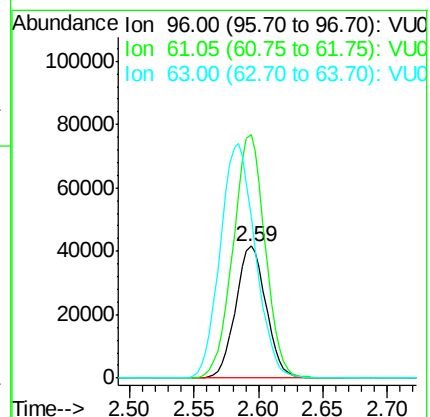
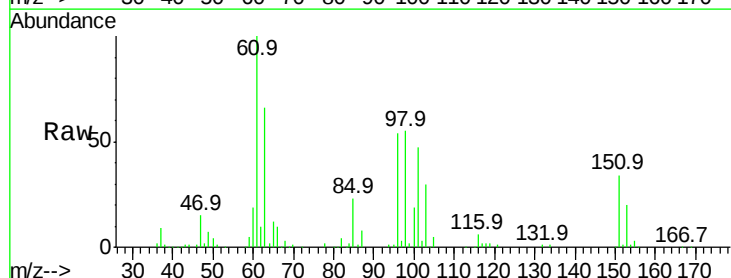
Tgt Ion: 96 Resp: 68376

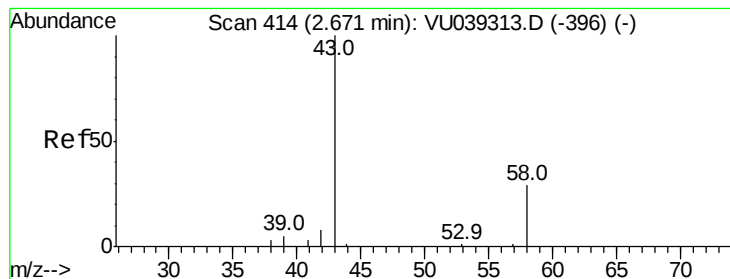
Ion Ratio Lower Upper

96 100

61 184.2 125.4 232.8

63 122.3 92.7 172.3





#13

Acetone

Concen: 97.096 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

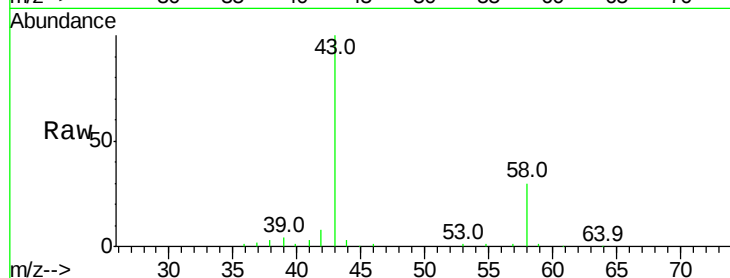
VSTD01002

Tgt Ion: 43 Resp: 163977

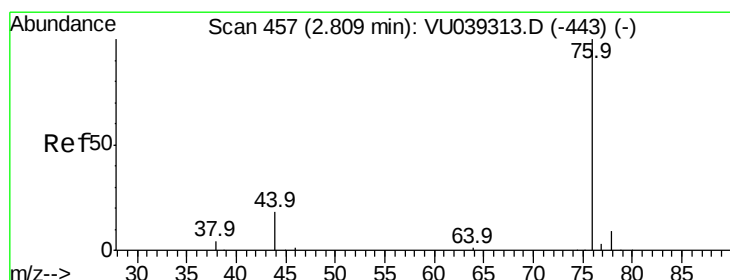
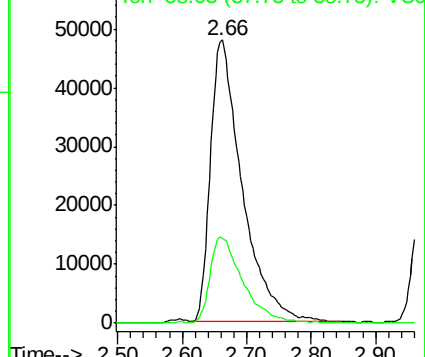
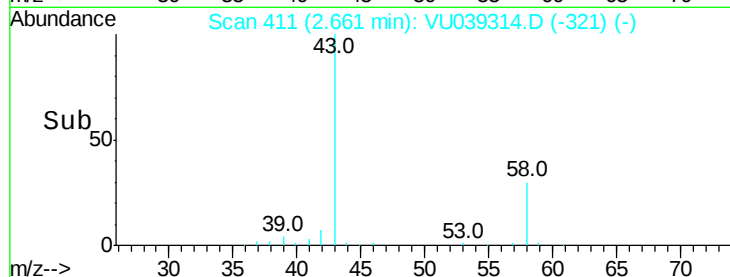
Ion Ratio Lower Upper

43 100

58 31.5 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU039314.D (-321) (-)



#14

Carbon disulfide

Concen: 10.739 ug/L

RT: 2.81 min Scan# 457

Delta R.T. -0.00 min

Lab File: VU039314.D

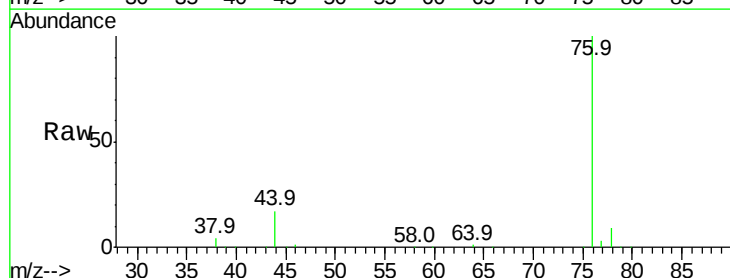
Acq: 07 Jul 2020 14:12

Tgt Ion: 76 Resp: 238841

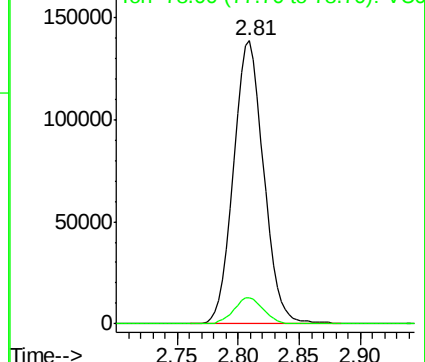
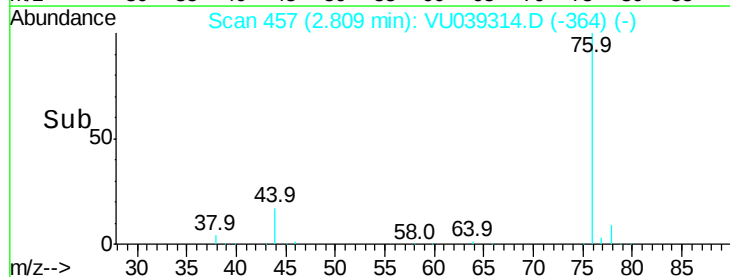
Ion Ratio Lower Upper

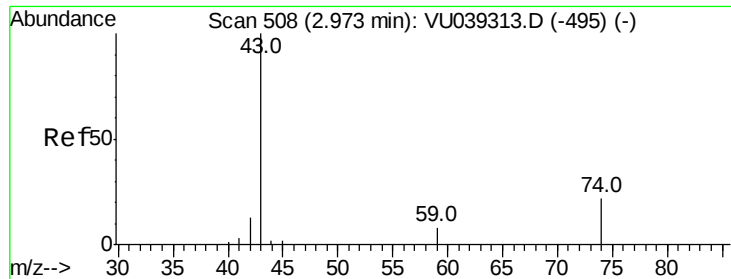
76 100

78 9.4 7.0 10.4



Abundance Ion 76.05 (75.75 to 76.75): VU039314.D (-364) (-)

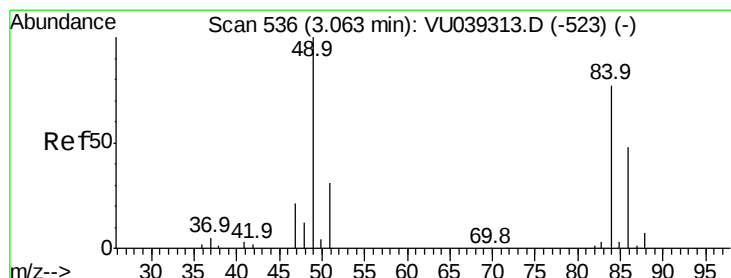
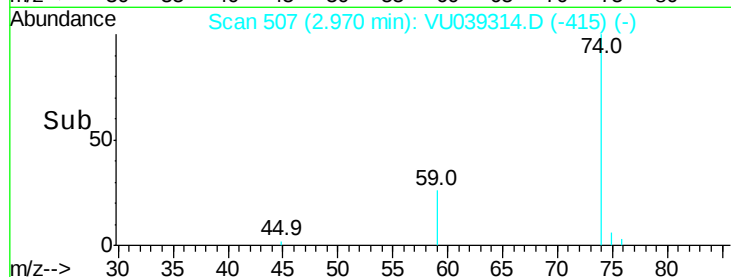
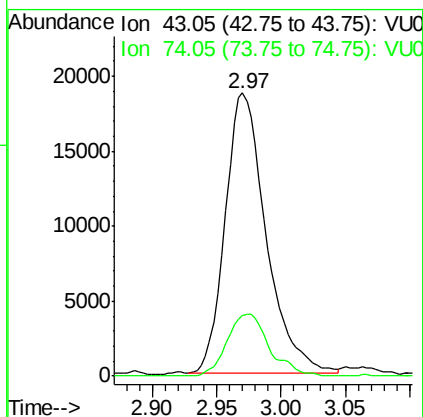
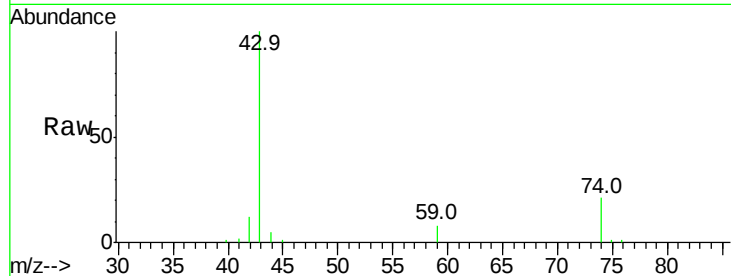




#15
Methyl Acetate
Concen: 9.749 ug/L
RT: 2.97 min Scan# 507
Delta R.T. -0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

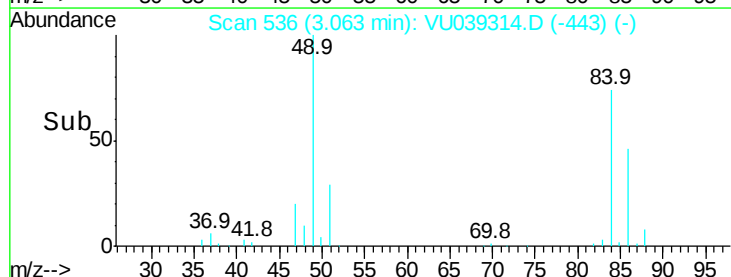
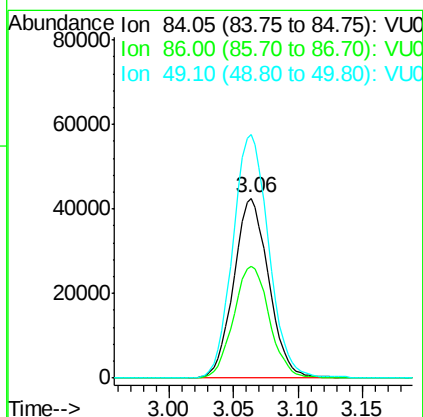
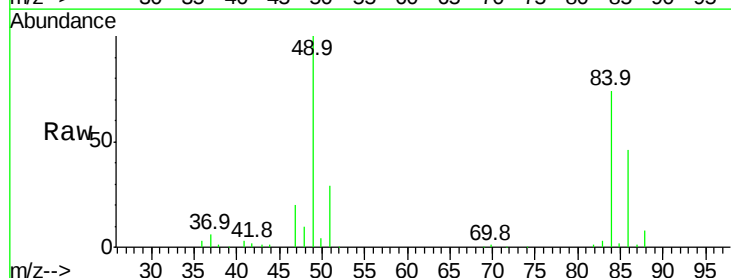
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

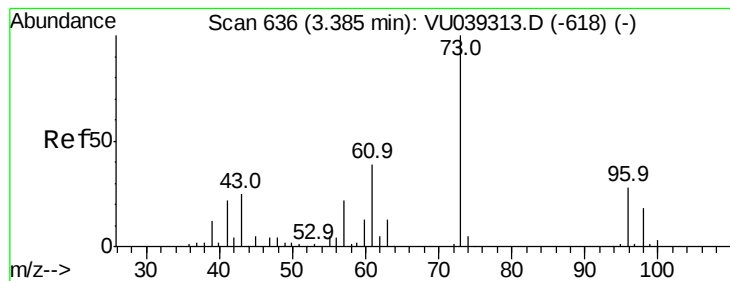
Tgt Ion: 43 Resp: 41193
Ion Ratio Lower Upper
43 100
74 22.8 18.7 28.1



#16
Methylene chloride
Concen: 9.059 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

Tgt Ion: 84 Resp: 80478
Ion Ratio Lower Upper
84 100
86 62.2 43.5 80.9
49 135.1 91.1 169.1





#17

Methyl tert-butyl Ether

Concen: 9.483 ug/L

RT: 3.38 min Scan# 635

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

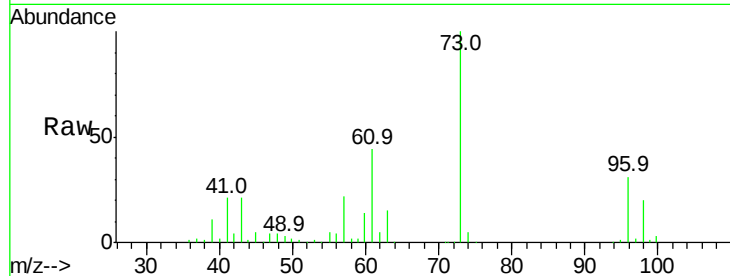
Tgt Ion: 73 Resp: 217590

Ion Ratio Lower Upper

73 100

43 21.7 18.6 28.0

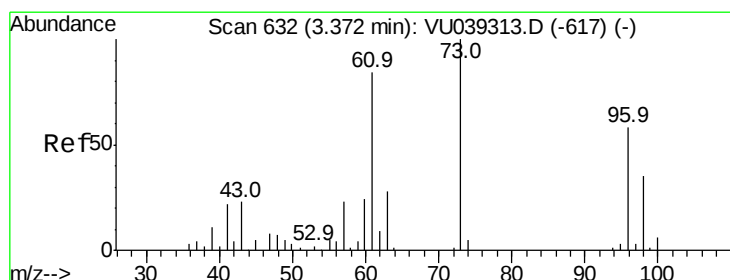
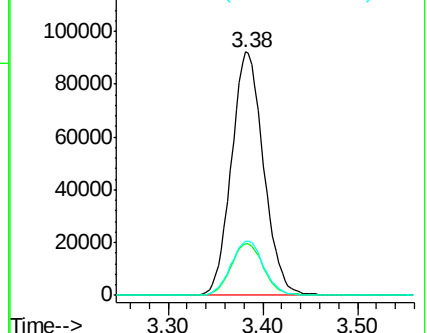
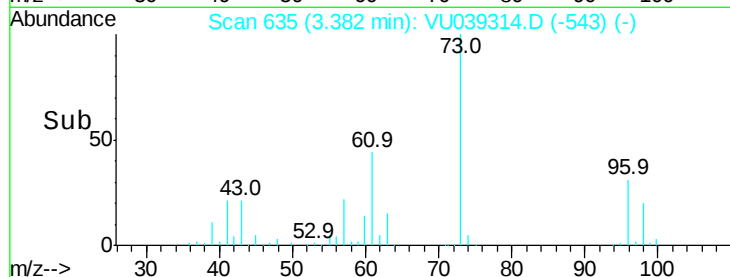
57 22.8 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VU039314.D (-543) (-)

Ion 43.05 (42.75 to 43.75): VU039314.D (-543) (-)

Ion 57.10 (56.80 to 57.80): VU039314.D (-543) (-)



#18

trans-1,2-Dichloroethene

Concen: 10.027 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

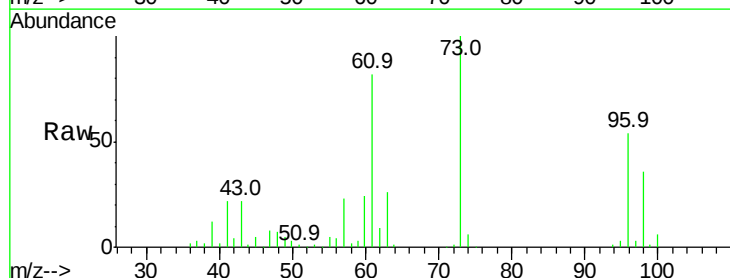
Tgt Ion: 96 Resp: 76039

Ion Ratio Lower Upper

96 100

61 153.3 102.1 189.5

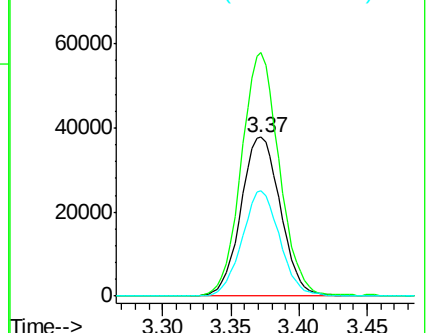
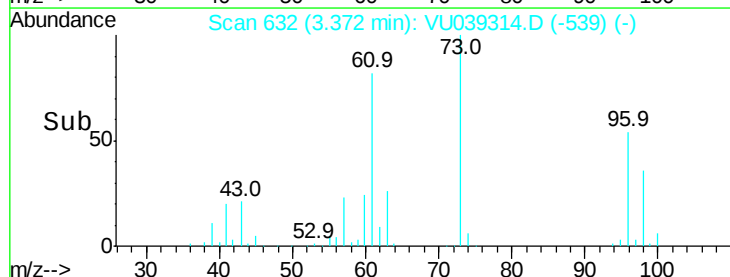
98 66.6 42.5 78.9

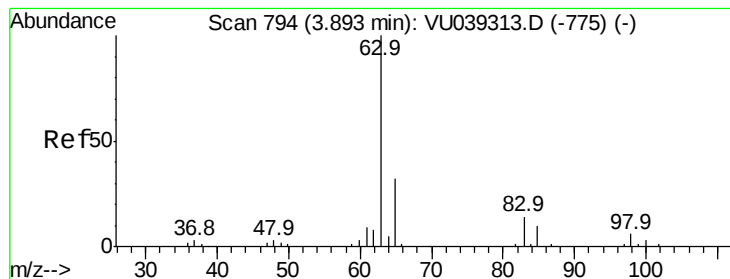


Abundance Ion 96.00 (95.70 to 96.70): VU039314.D (-539) (-)

Ion 61.05 (60.75 to 61.75): VU039314.D (-539) (-)

Ion 97.95 (97.65 to 98.65): VU039314.D (-539) (-)





#19

1,1-Dichloroethane

Concen: 9.724 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

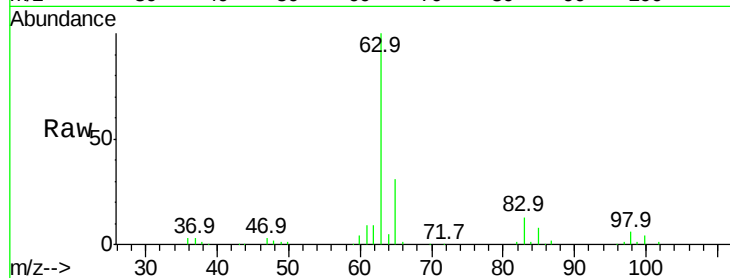
Tgt Ion: 63 Resp: 147752

Ion Ratio Lower Upper

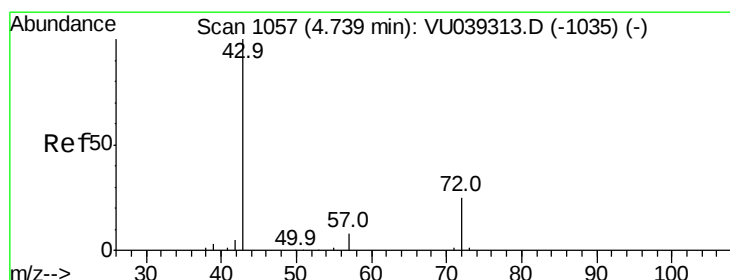
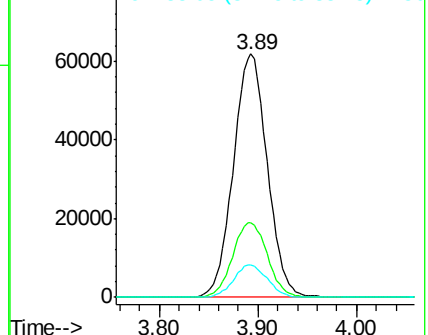
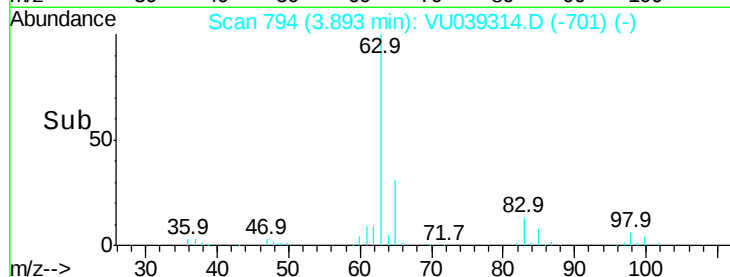
63 100

65 30.7 23.0 42.6

83 13.5 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VU039314.D (-701) (-)



#21

2-Butanone

Concen: 96.520 ug/L

RT: 4.74 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VU039314.D

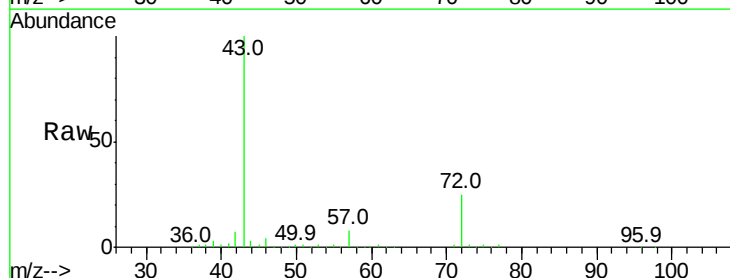
Acq: 07 Jul 2020 14:12

Tgt Ion: 43 Resp: 296679

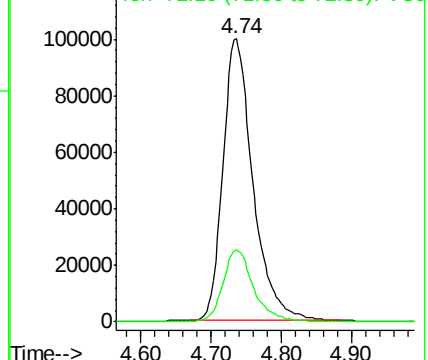
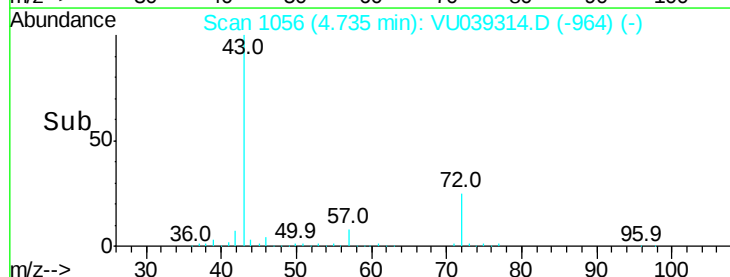
Ion Ratio Lower Upper

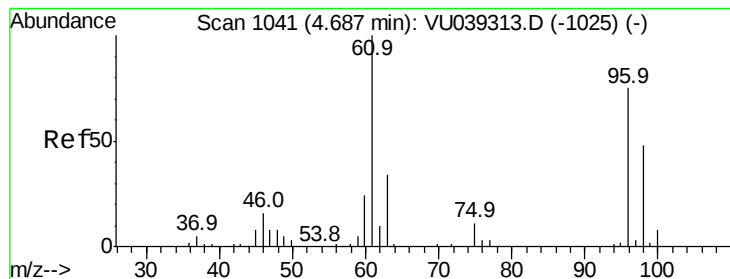
43 100

72 26.2 13.2 39.5



Abundance Ion 43.05 (42.75 to 43.75): VU039314.D (-964) (-)





#22

cis-1,2-Dichloroethene

Concen: 9.740 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

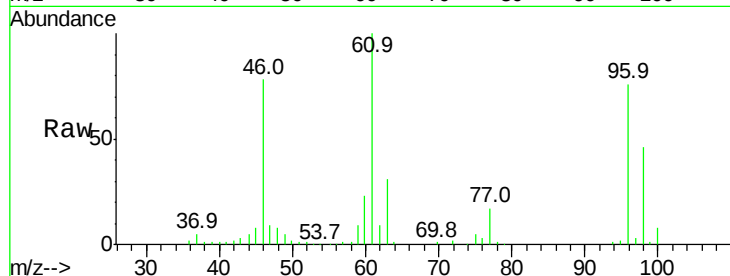
Tgt Ion: 96 Resp: 84164

Ion Ratio Lower Upper

96 100

61 132.0 92.8 172.4

68 0.0 0.0 0.0

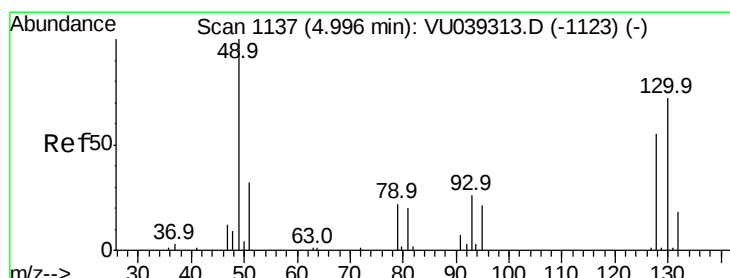
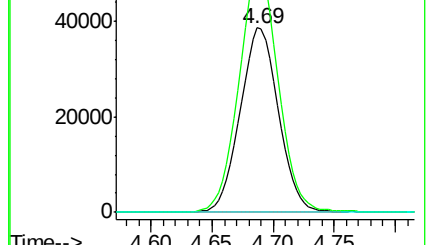
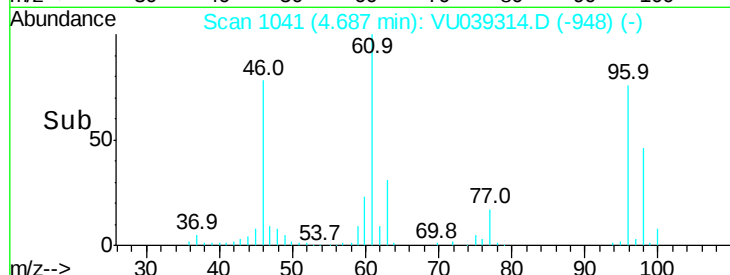


Abundance Ion 96.00 (95.70 to 96.70): VU039314.D (-1044) (-)

Ion 61.05 (60.75 to 61.75): VU039314.D (-1044) (-)

Ion 68.15 (67.85 to 68.85): VU039314.D (-1044) (-)

Time-->



#23

Bromochloromethane

Concen: 10.139 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Tgt Ion: 128 Resp: 39476

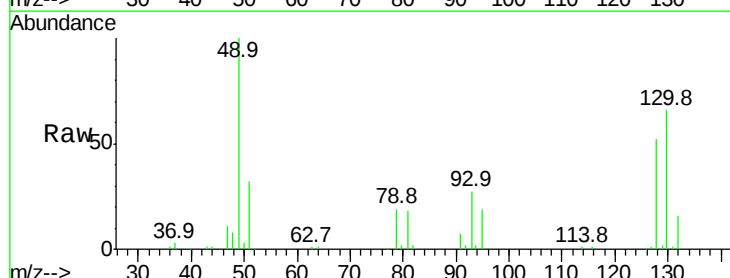
Ion Ratio Lower Upper

128 100

49 193.0 128.5 238.7

130 126.6 91.5 169.9

51 61.2 47.0 70.6



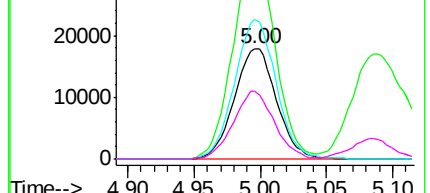
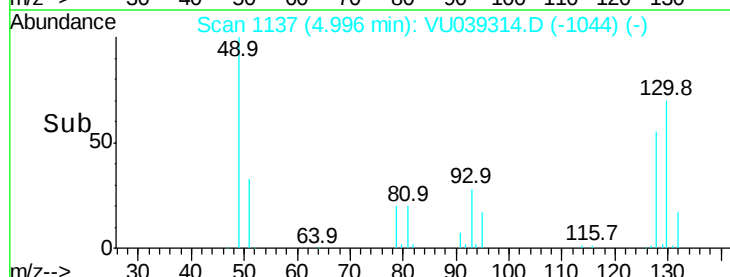
Abundance Ion 127.90 (127.60 to 128.60): VU039314.D (-1044) (-)

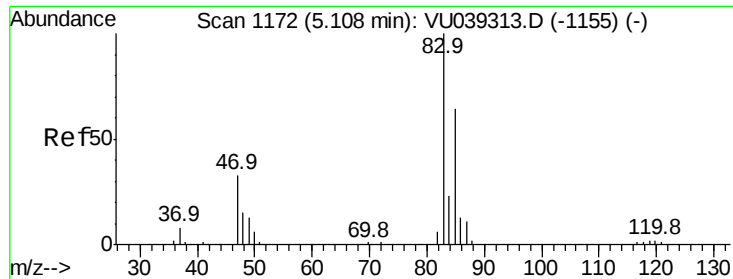
Ion 49.10 (48.80 to 49.80): VU039314.D (-1044) (-)

Ion 129.95 (129.65 to 130.65): VU039314.D (-1044) (-)

Ion 51.05 (50.75 to 51.75): VU039314.D (-1044) (-)

Time-->

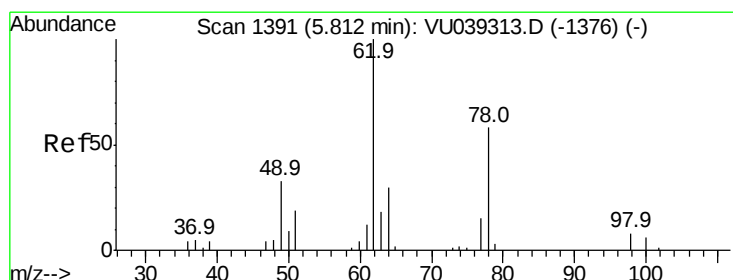
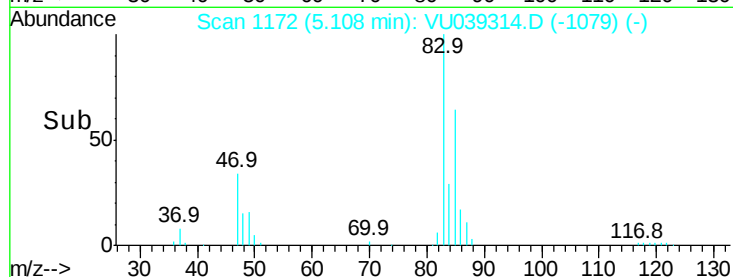
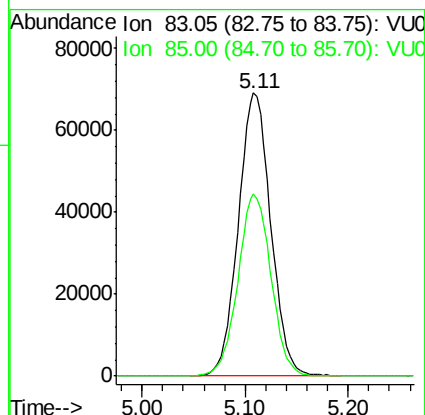
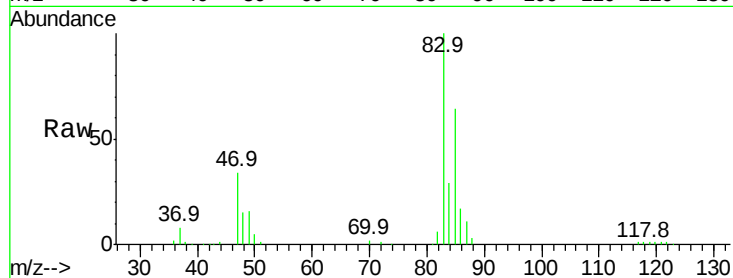




#25
Chloroform
Concen: 9.557 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

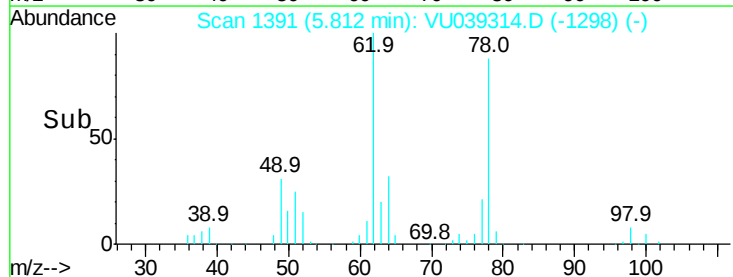
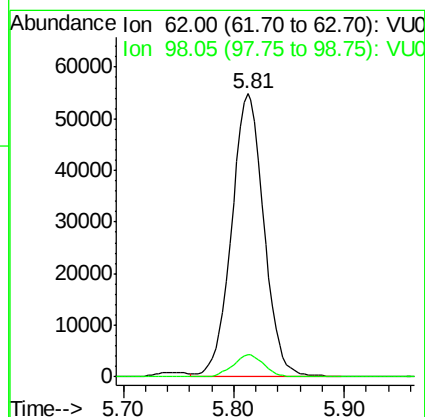
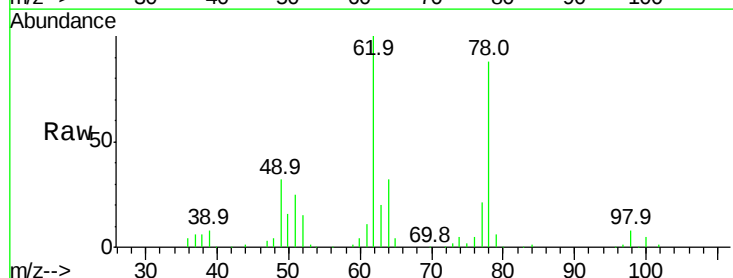
Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

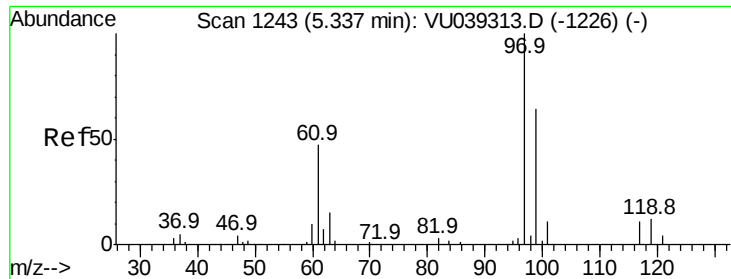
Tgt Ion: 83 Resp: 151258
Ion Ratio Lower Upper
83 100
85 64.2 44.9 83.5



#27
1,2-Dichloroethane
Concen: 9.721 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

Tgt Ion: 62 Resp: 110855
Ion Ratio Lower Upper
62 100
98 8.0 6.3 9.5

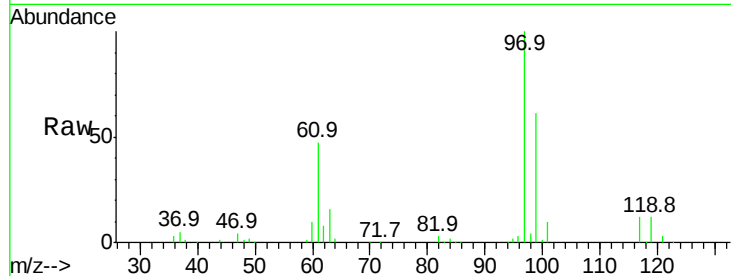




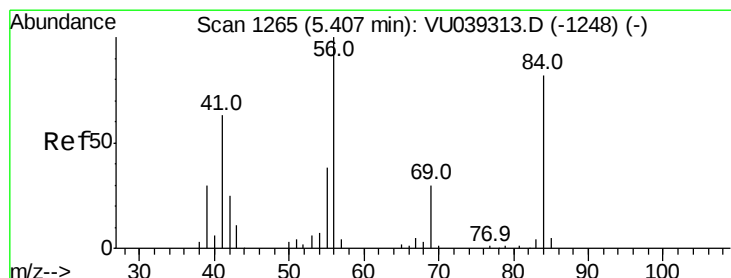
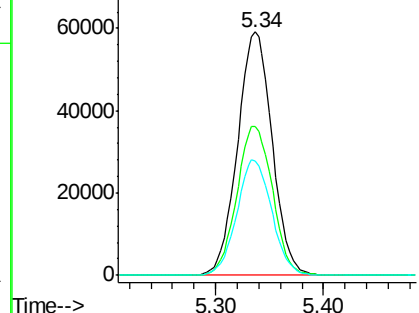
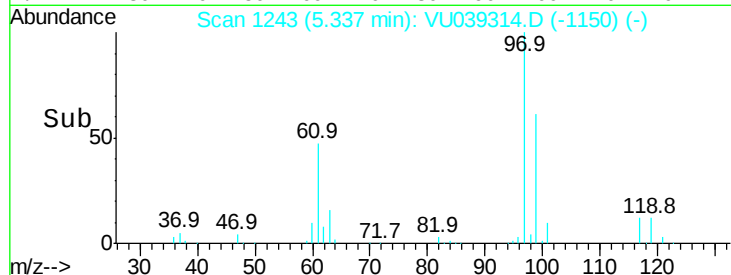
#29
 1,1,1-Trichloroethane
 Concen: 9.719 ug/L
 RT: 5.34 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 97 Resp: 132029
 Ion Ratio Lower Upper
 97 100
 99 63.0 52.6 79.0
 61 47.9 37.9 56.9

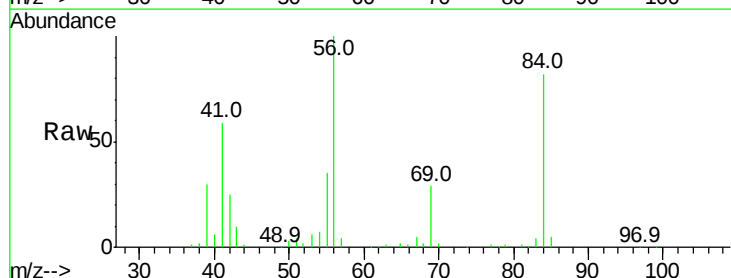


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

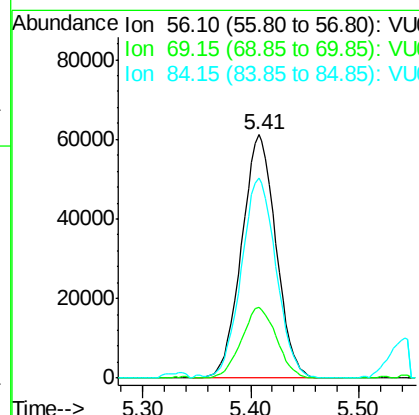
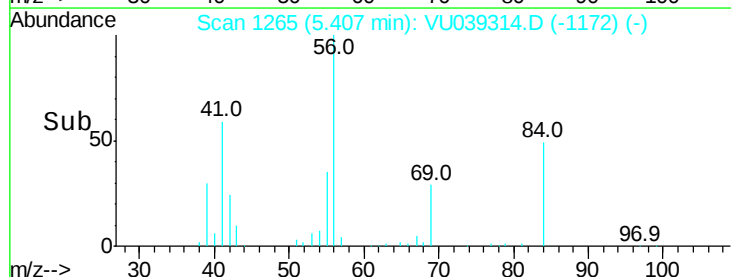


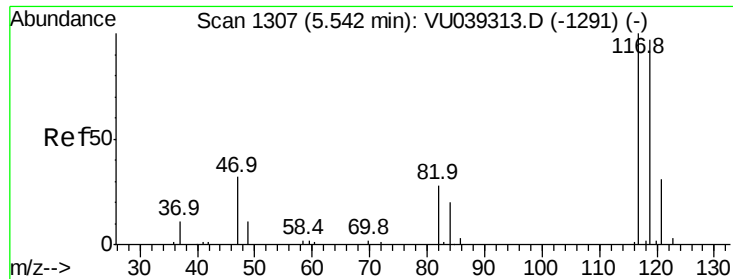
#30
 Cyclohexane
 Concen: 9.950 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion: 56 Resp: 135388
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.1 36.1
 84 83.5 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: 9.635 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

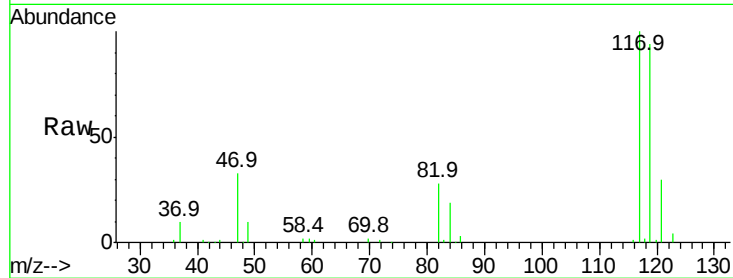
VSTD01002

Tgt Ion:117 Resp: 110060

Ion Ratio Lower Upper

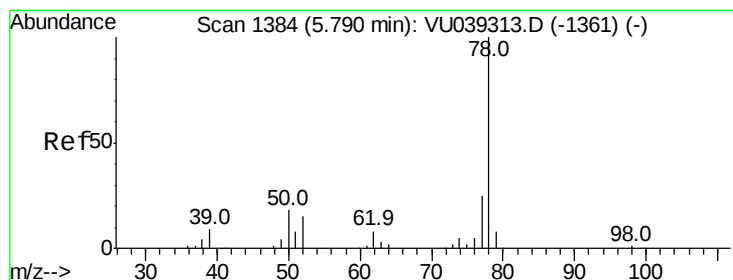
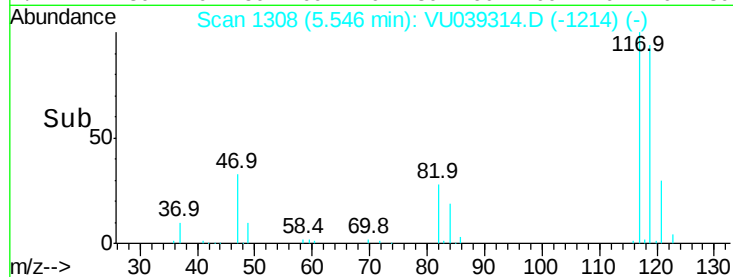
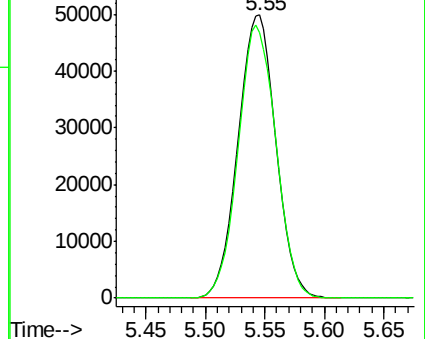
117 100

119 96.5 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: 9.816 ug/L

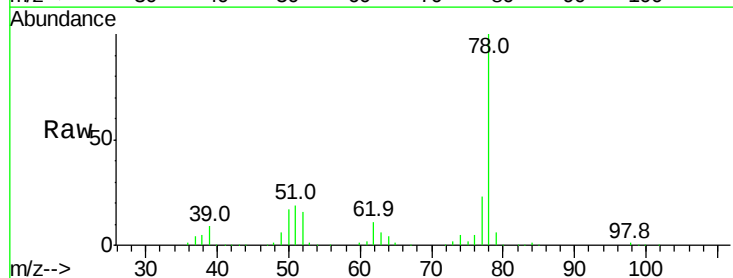
RT: 5.79 min Scan# 1385

Delta R.T. 0.00 min

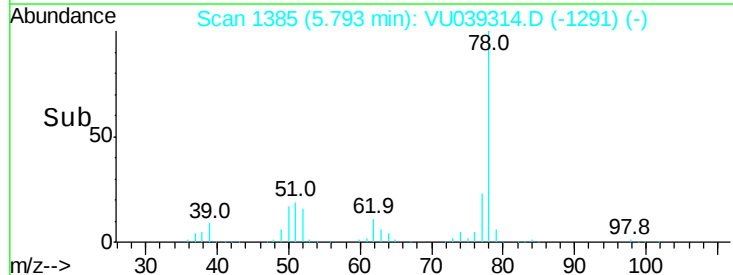
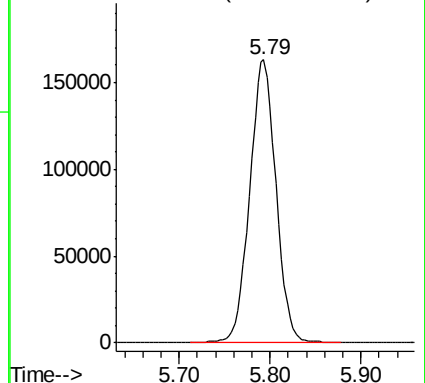
Lab File: VU039314.D

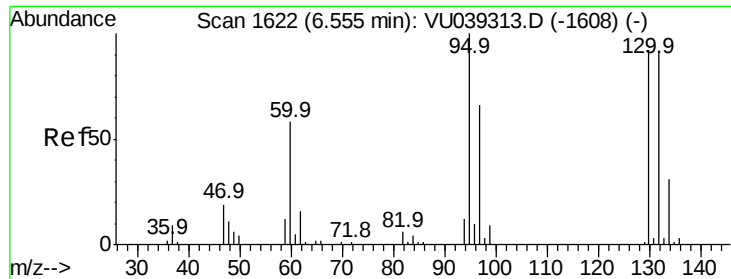
Acq: 07 Jul 2020 14:12

Tgt Ion: 78 Resp: 327220



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 9.900 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 95 Resp: 85089

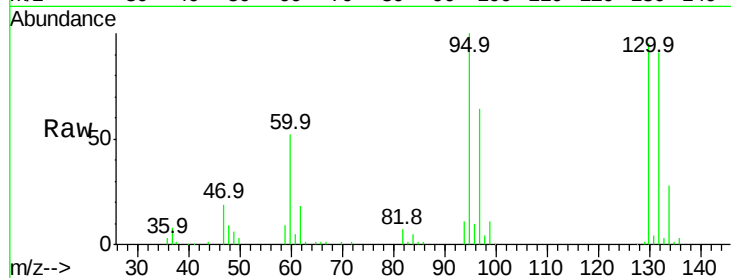
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 90.9 64.0 118.8

130 94.6 64.3 119.5

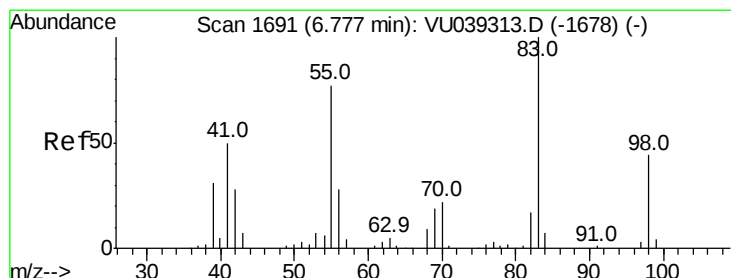
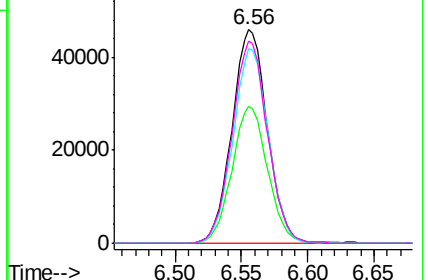
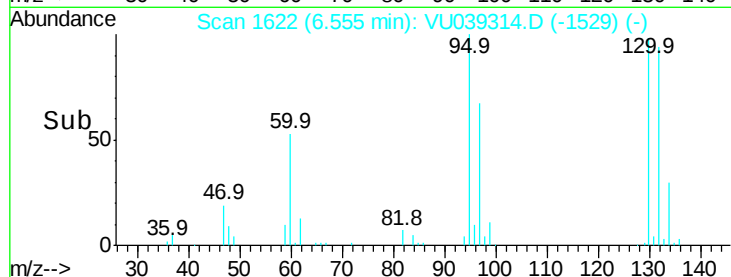


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 9.980 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

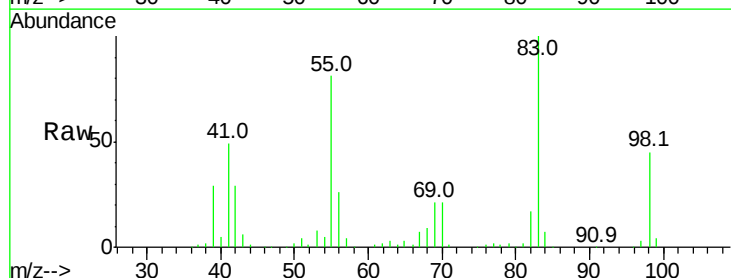
Tgt Ion: 83 Resp: 137361

Ion Ratio Lower Upper

83 100

55 80.1 62.1 93.1

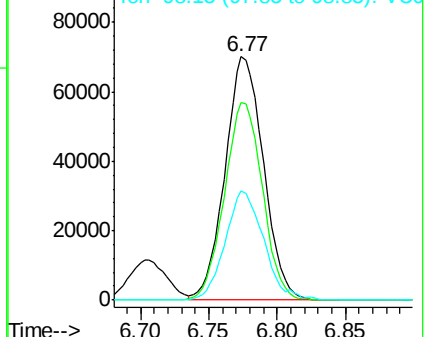
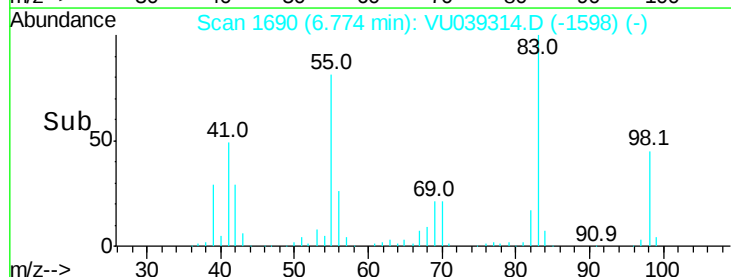
98 44.7 35.9 53.9

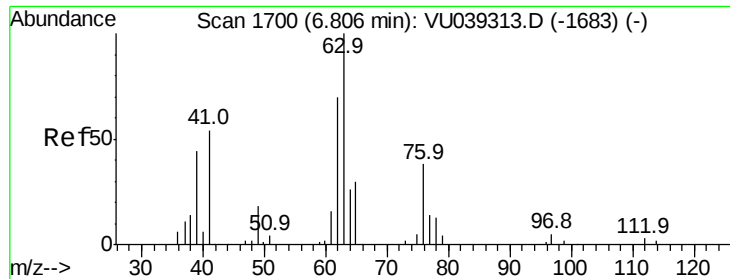


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 9.677 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

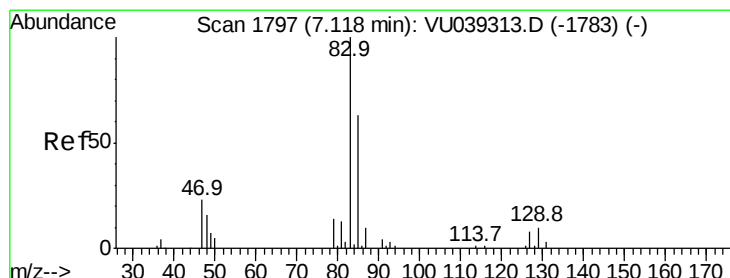
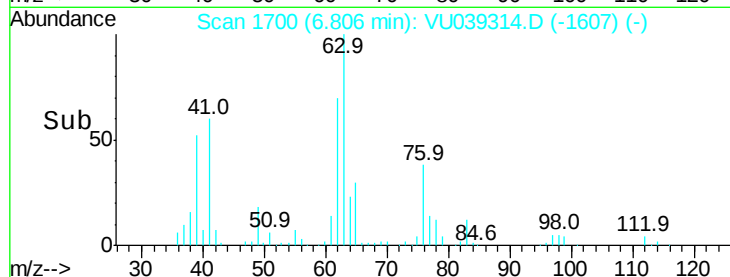
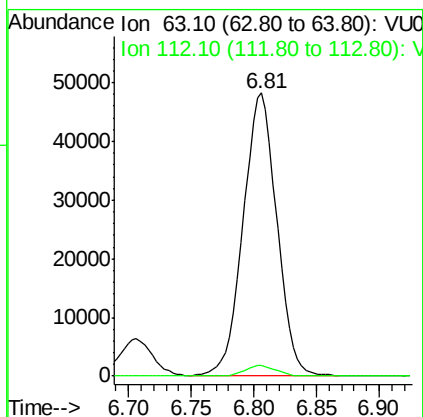
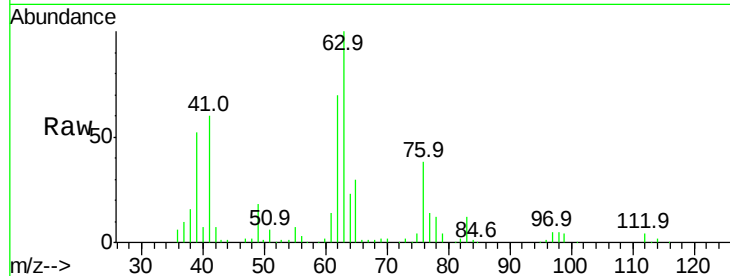
Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion: 63 Resp: 89993

Ion	Ratio	Lower	Upper
63	100		
112	3.4	2.5	3.7



#38

Bromodichloromethane

Concen: 9.460 ug/L

RT: 7.12 min Scan# 1797

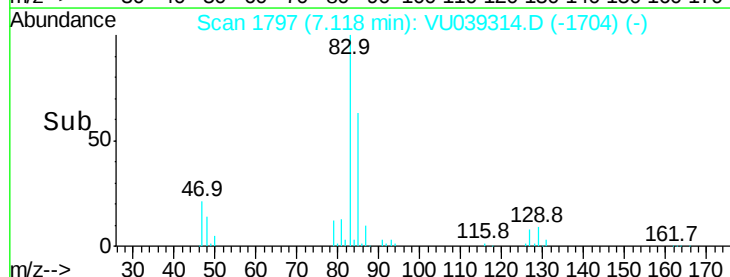
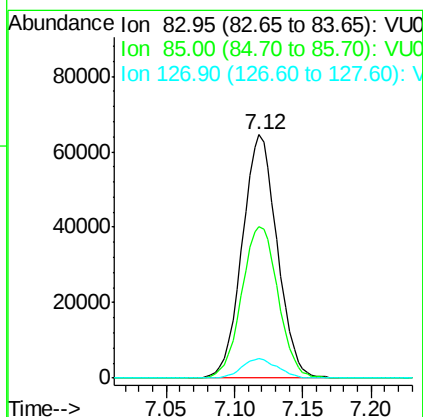
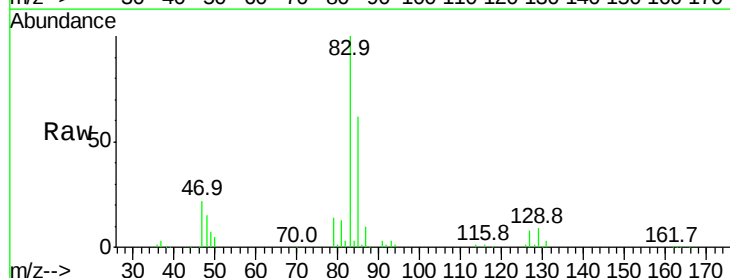
Delta R.T. 0.00 min

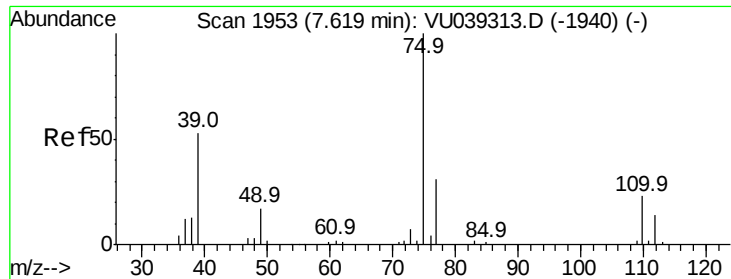
Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Tgt Ion: 83 Resp: 114699

Ion	Ratio	Lower	Upper
83	100		
85	62.1	44.0	81.6
127	7.9	6.2	9.4



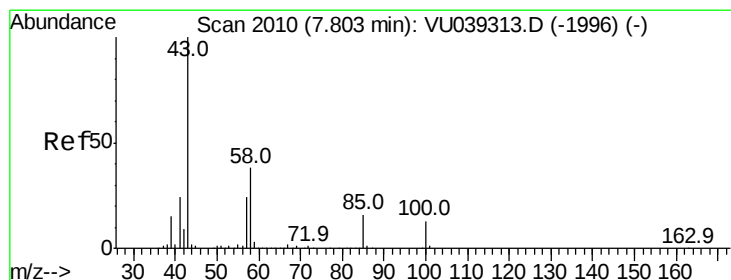
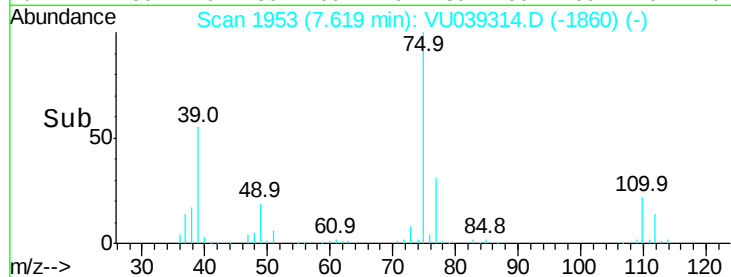
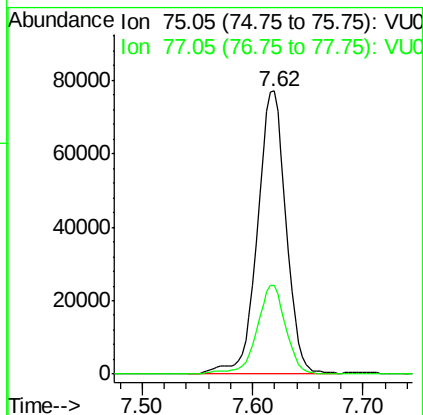
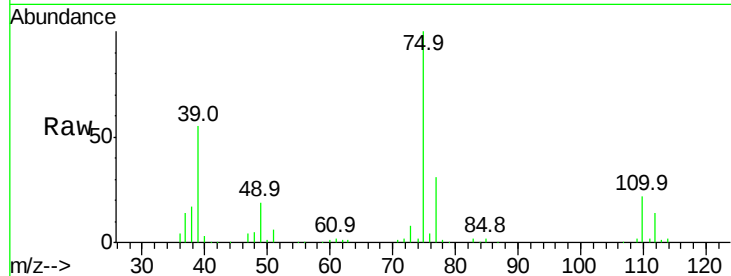


#39

cis-1,3-Dichloropropene
 Concen: 9.594 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

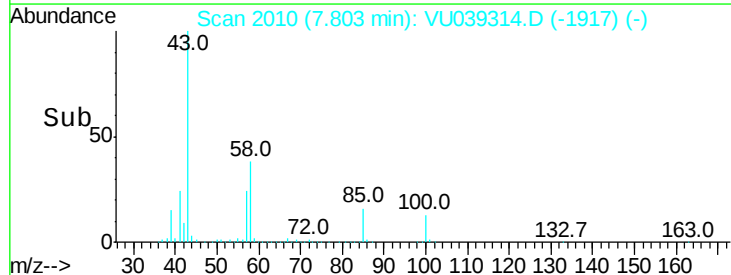
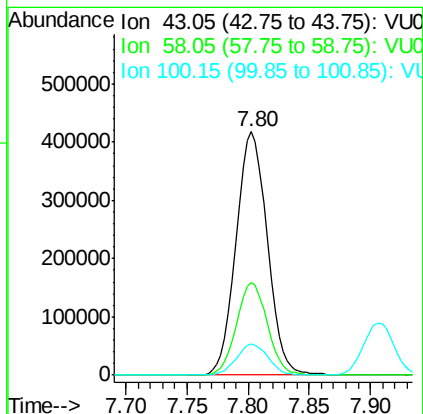
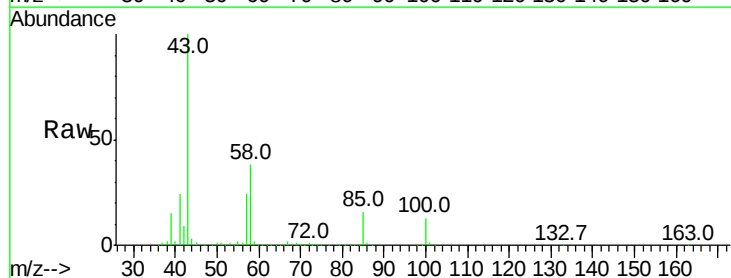
Tgt Ion: 75 Resp: 138708
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.3 41.3

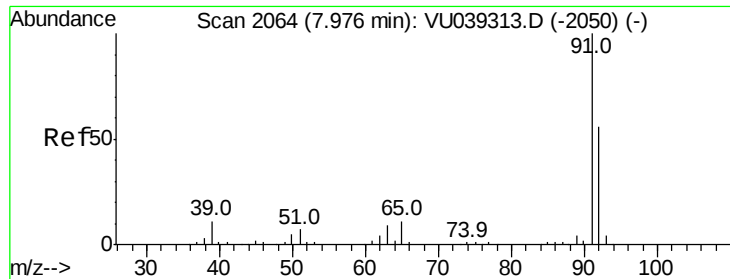


#40

4-Methyl-2-pentanone
 Concen: 94.200 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion: 43 Resp: 741420
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.5 45.7
 100 12.9 10.3 15.5





#42

Toluene

Concen: 9.714 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

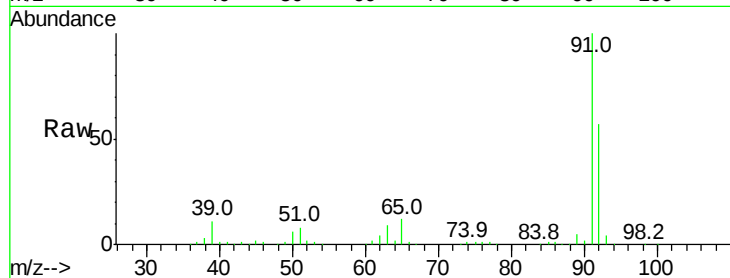
VSTD01002

Tgt Ion: 91 Resp: 352475

Ion Ratio Lower Upper

91 100

92 56.6 39.3 73.1



Abundance Ion 91.15 (90.85 to 91.85): VU039314.D (-2046) (-)

Ion 92.15 (91.85 to 92.85): VU039314.D (-2046) (-)

7.98

200000

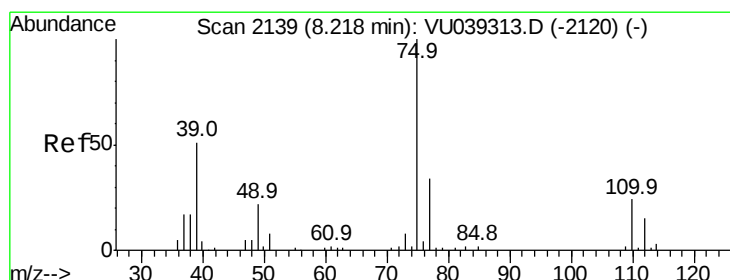
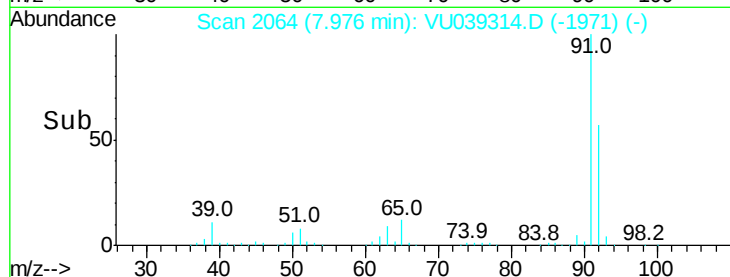
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.600 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU039314.D

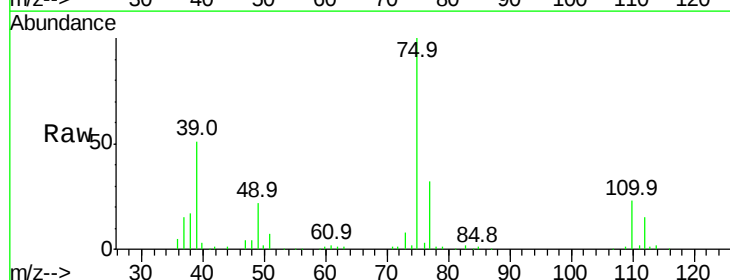
Acq: 07 Jul 2020 14:12

Tgt Ion: 75 Resp: 124988

Ion Ratio Lower Upper

75 100

77 31.5 23.7 43.9



Abundance Ion 75.05 (74.75 to 75.75): VU039314.D (-2046) (-)

Ion 77.05 (76.75 to 77.75): VU039314.D (-2046) (-)

8.22

80000

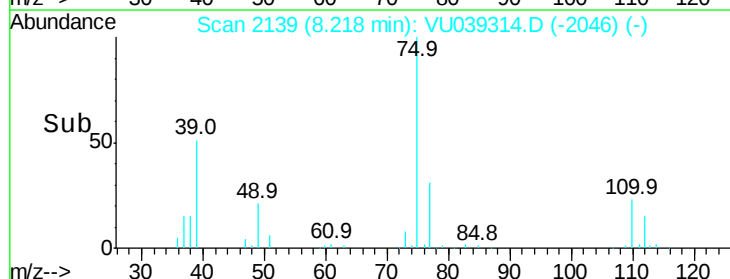
60000

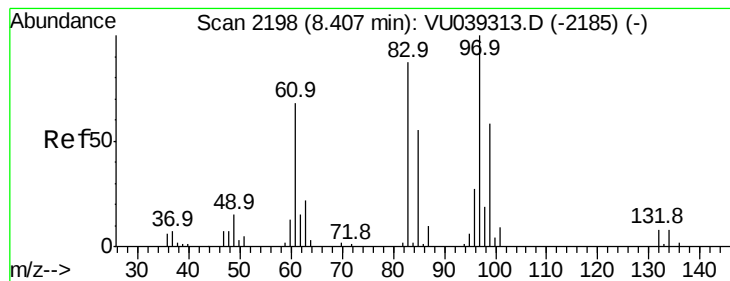
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 9.511 ug/L

RT: 8.41 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

Tgt Ion: 97 Resp: 65789

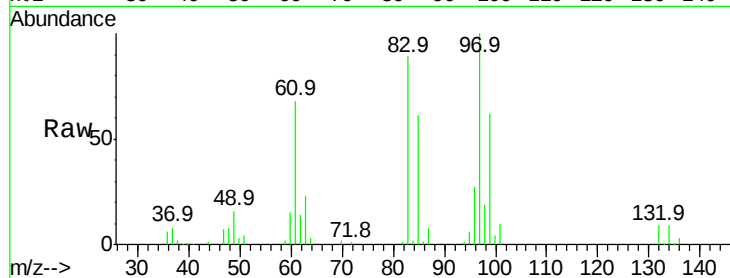
Ion Ratio Lower Upper

97 100

99 61.7 40.7 75.7

83 88.6 60.6 112.6

85 60.9 38.3 71.1

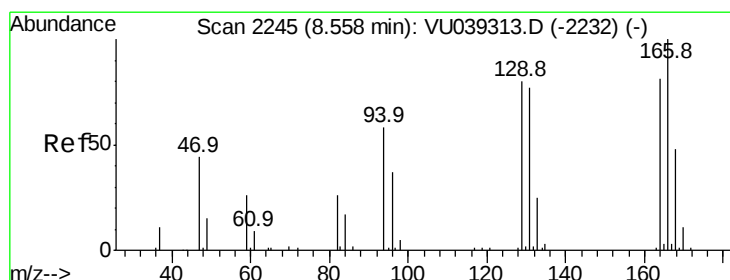
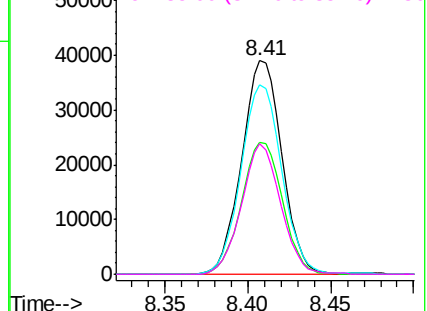
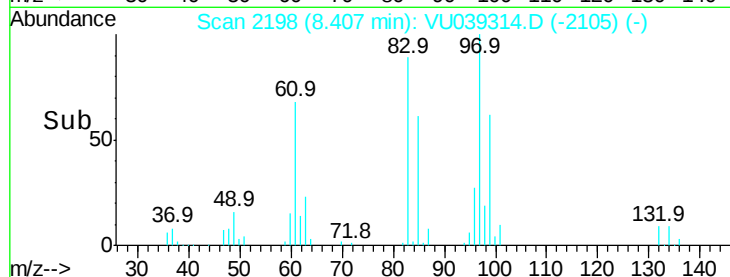


Abundance Ion 96.95 (96.65 to 97.65): VU039314.D (-2185) (-)

Ion 99.05 (98.75 to 99.75): VU039314.D (-2185) (-)

Ion 82.95 (82.65 to 83.65): VU039314.D (-2185) (-)

Ion 85.00 (84.70 to 85.70): VU039314.D (-2185) (-)



#47

Tetrachloroethene

Concen: 9.837 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Tgt Ion: 164 Resp: 59418

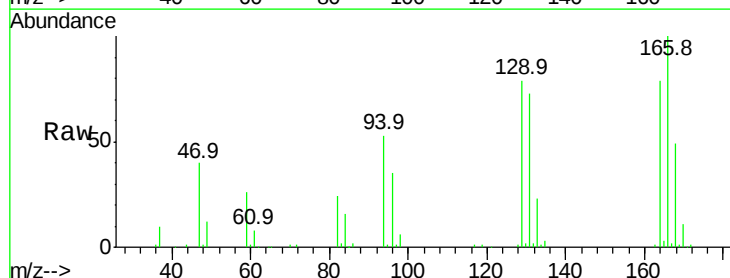
Ion Ratio Lower Upper

164 100

129 99.8 68.6 127.4

131 93.1 66.4 123.4

166 127.0 85.9 159.5

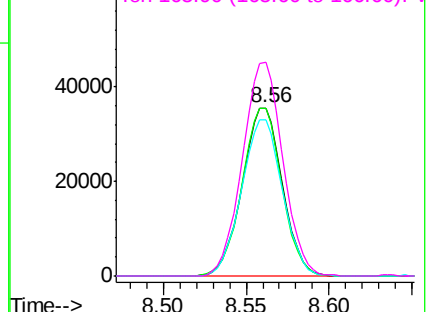
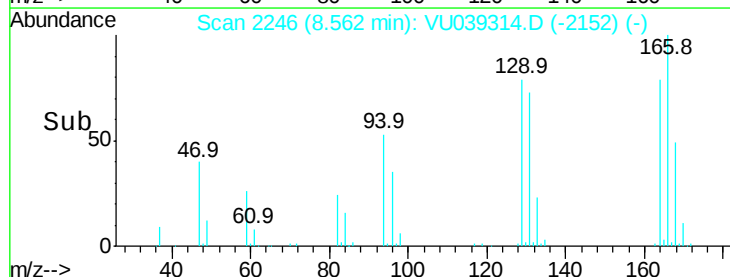


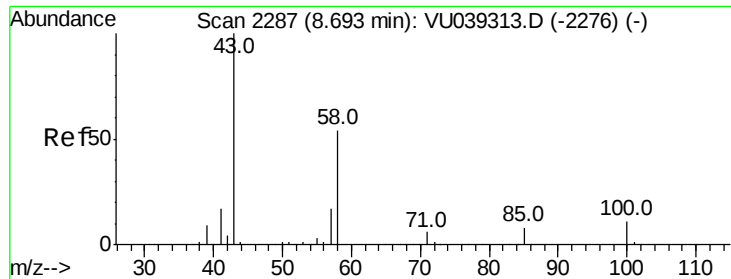
Abundance Ion 163.90 (163.60 to 164.60): VU039314.D (-2232) (-)

Ion 128.95 (128.65 to 129.65): VU039314.D (-2232) (-)

Ion 130.95 (130.65 to 131.65): VU039314.D (-2232) (-)

Ion 165.90 (165.60 to 166.60): VU039314.D (-2232) (-)

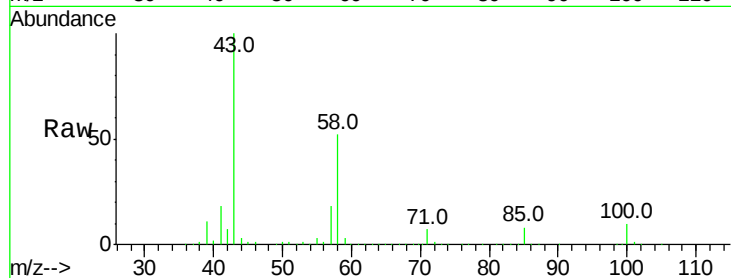




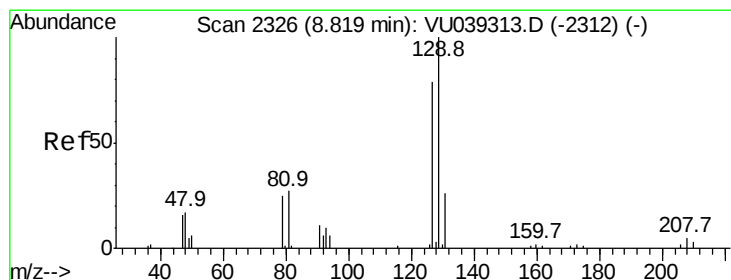
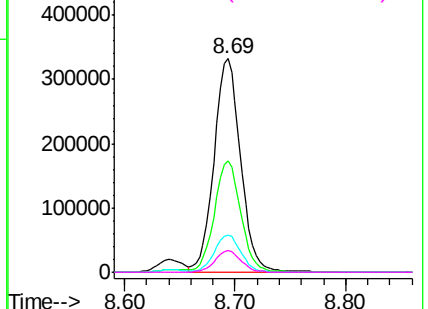
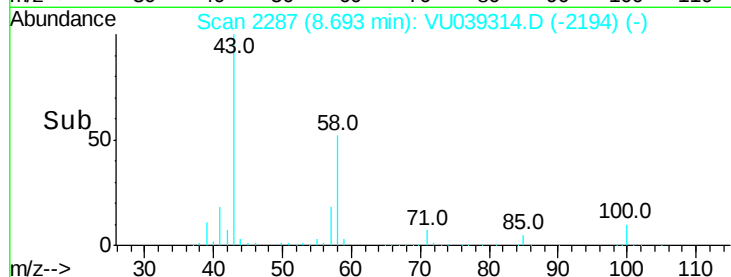
#48
2-Hexanone
Concen: 94.201 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

Instrument :
MSVOA_U
ClientSampleId :
VSTD01002

Tgt Ion: 43 Resp: 551401
Ion Ratio Lower Upper
43 100
58 51.9 42.0 63.0
57 17.6 14.0 21.0
100 9.9 8.2 12.2

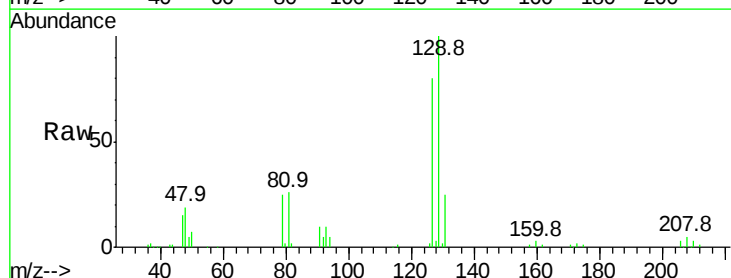


Abundance Ion 43.05 (42.75 to 43.75): VU039314.D (-2194) (-)
Ion 58.05 (57.75 to 58.75): VU039314.D (-2194) (-)
Ion 57.20 (56.90 to 57.90): VU039314.D (-2194) (-)
Ion 100.15 (99.85 to 100.85): VU039314.D (-2194) (-)

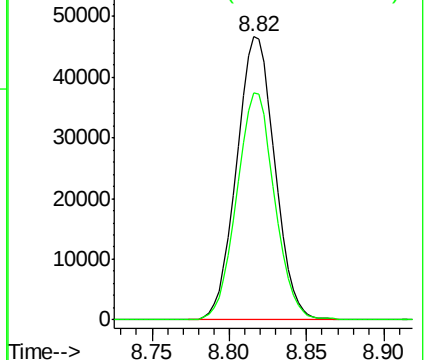
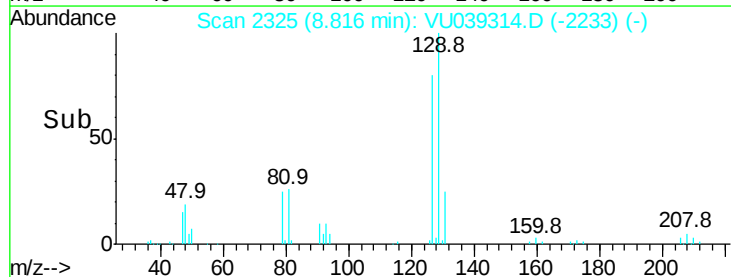


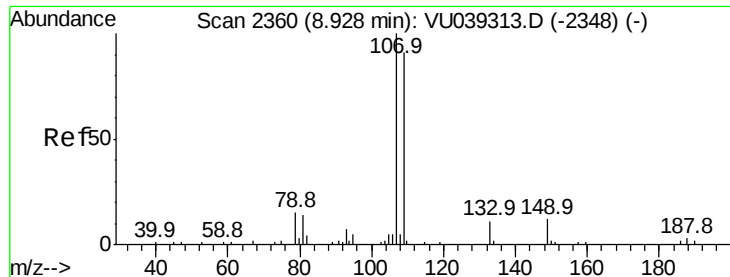
#49
Dibromochloromethane
Concen: 9.230 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039314.D
Acq: 07 Jul 2020 14:12

Tgt Ion: 129 Resp: 80162
Ion Ratio Lower Upper
129 100
127 80.2 55.4 102.8



Abundance Ion 128.95 (128.65 to 129.65): VU039314.D (-2233) (-)
Ion 126.90 (126.60 to 127.60): VU039314.D (-2233) (-)

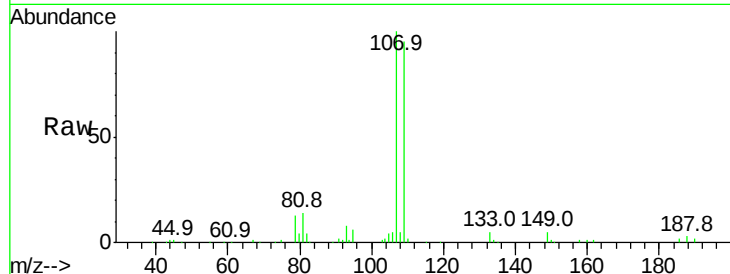




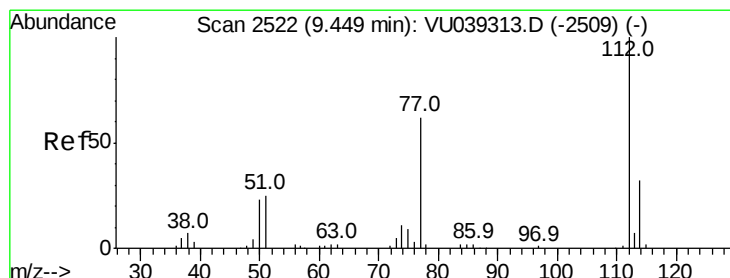
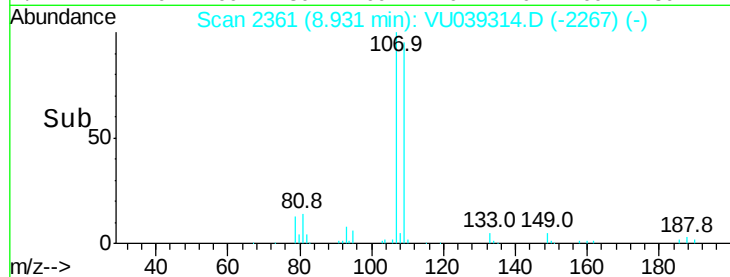
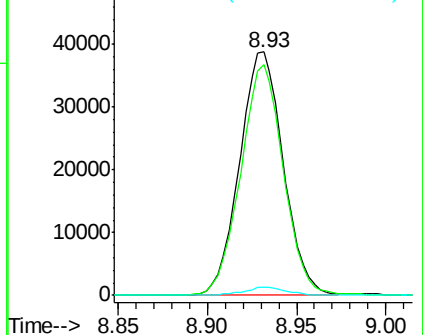
#50
 1,2-Dibromoethane
 Concen: 9.504 ug/L
 RT: 8.93 min Scan# 2361
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:107 Resp: 66097
 Ion Ratio Lower Upper
 107 100
 109 94.7 64.0 118.8
 188 3.4 2.6 3.8

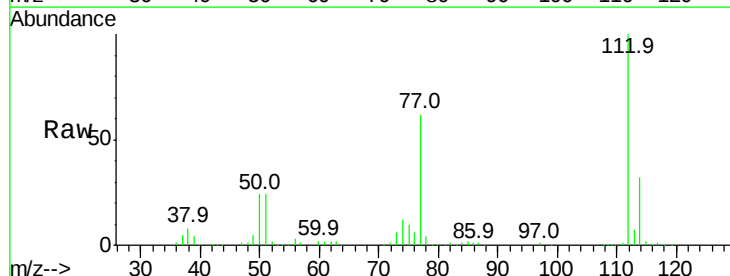


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

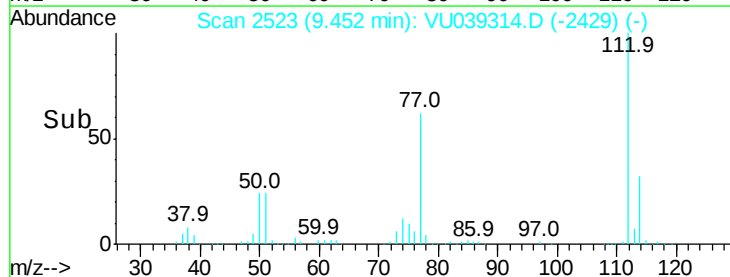
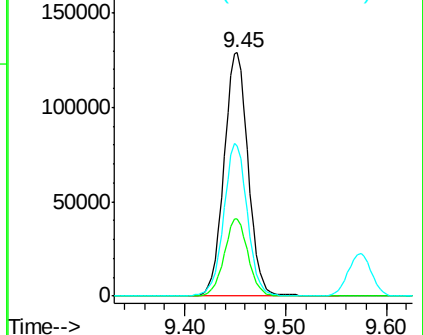


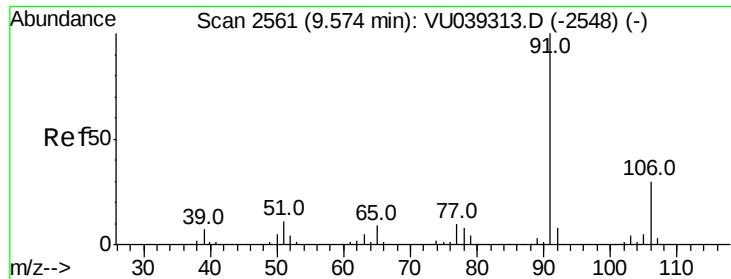
#51
 Chlorobenzene
 Concen: 9.575 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion:112 Resp: 214838
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.1 41.1
 77 61.9 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: 9.609 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

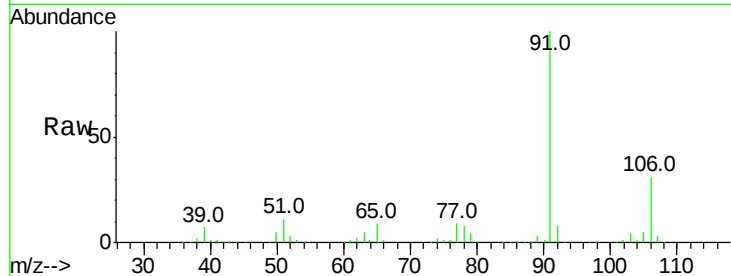
VSTD01002

Tgt Ion: 91 Resp: 388023

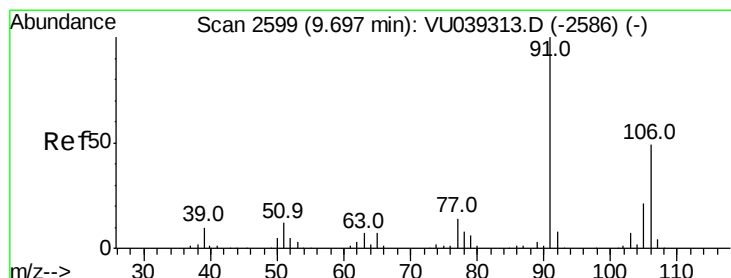
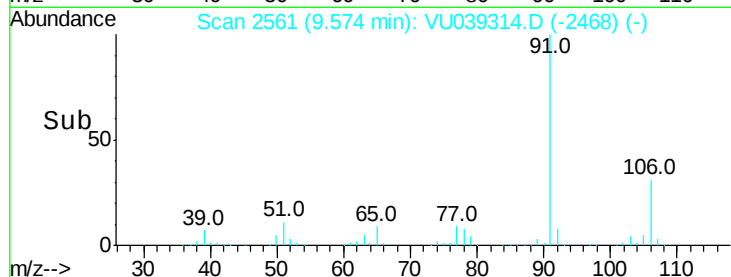
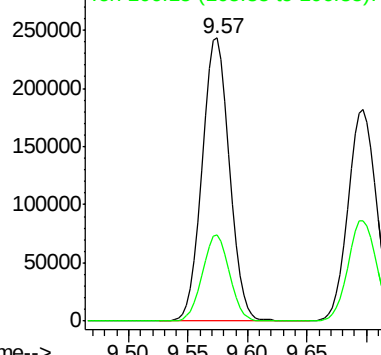
Ion Ratio Lower Upper

91 100

106 30.6 21.3 39.6



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



#53

m,p-Xylene

Concen: 9.550 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039314.D

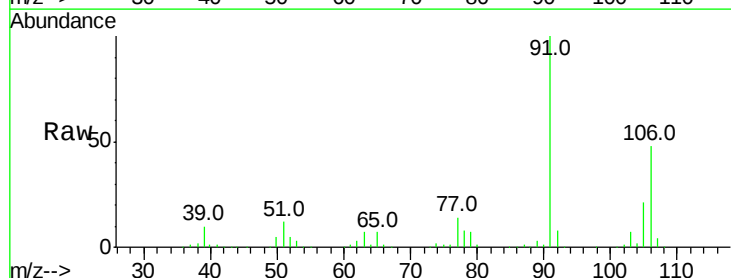
Acq: 07 Jul 2020 14:12

Tgt Ion: 106 Resp: 145484

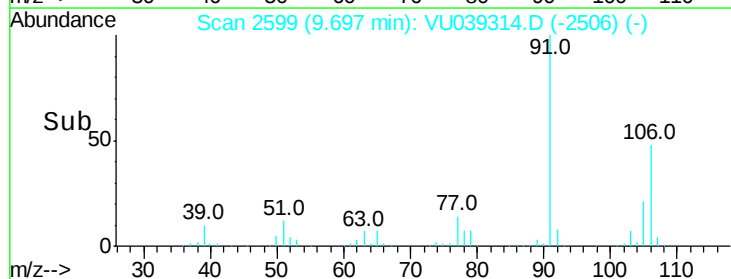
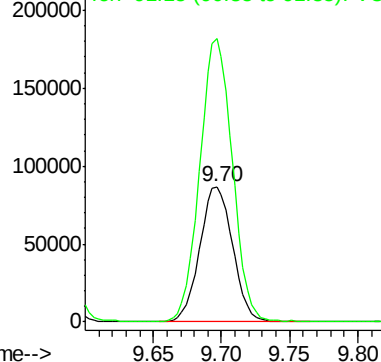
Ion Ratio Lower Upper

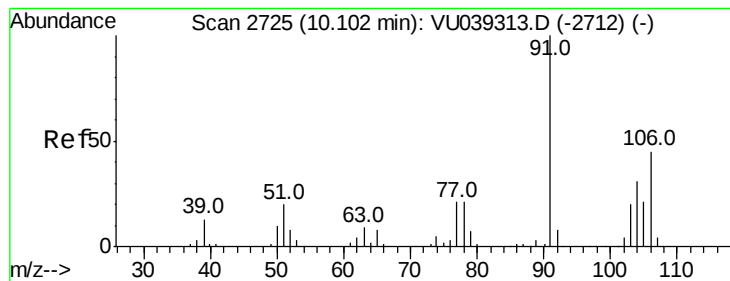
106 100

91 209.7 144.0 267.4



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





#54

o-Xylene

Concen: 9.610 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

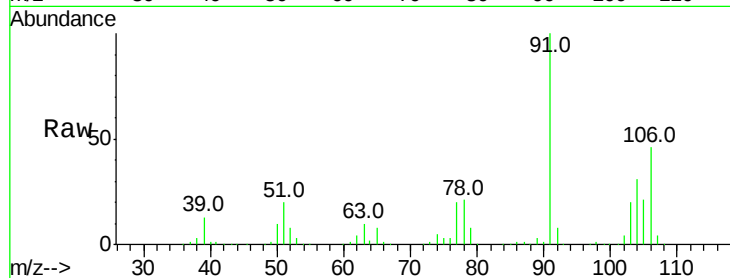
VSTD01002

Tgt Ion:106 Resp: 145125

Ion Ratio Lower Upper

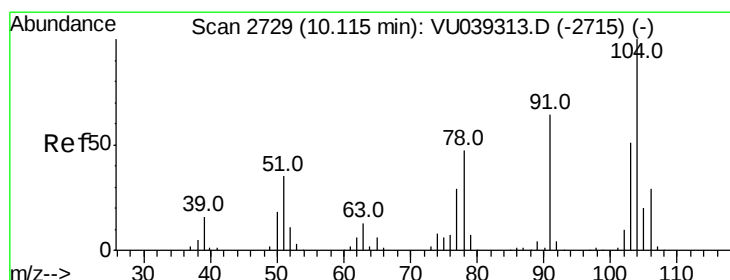
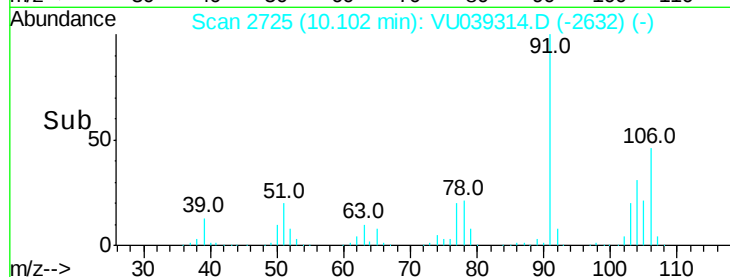
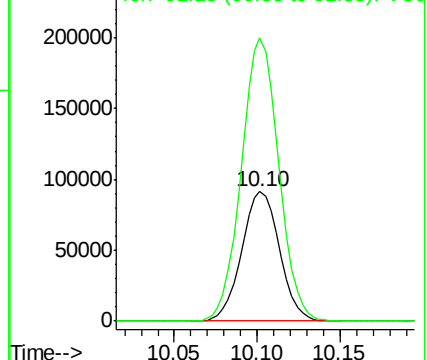
106 100

91 218.2 154.6 287.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VU0



#55

Styrene

Concen: 9.287 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU039314.D

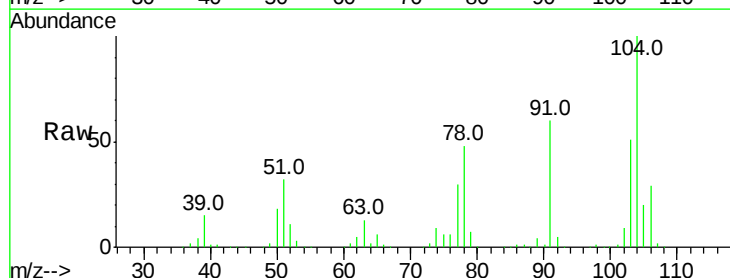
Acq: 07 Jul 2020 14:12

Tgt Ion:104 Resp: 245209

Ion Ratio Lower Upper

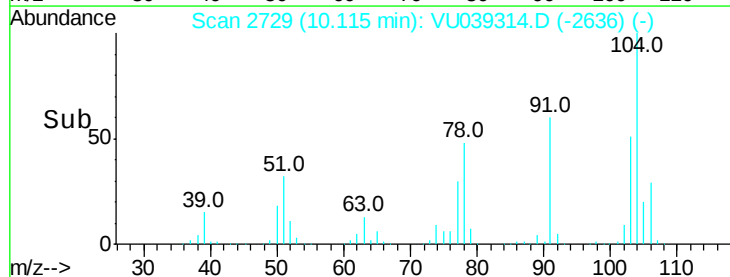
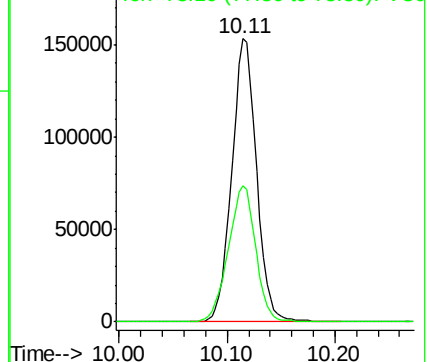
104 100

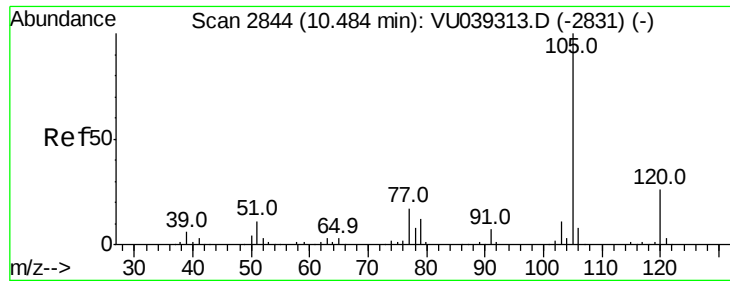
78 48.2 33.1 61.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 9.213 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

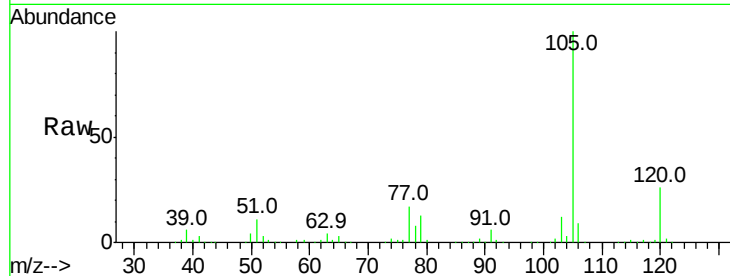
Tgt Ion:105 Resp: 376769

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

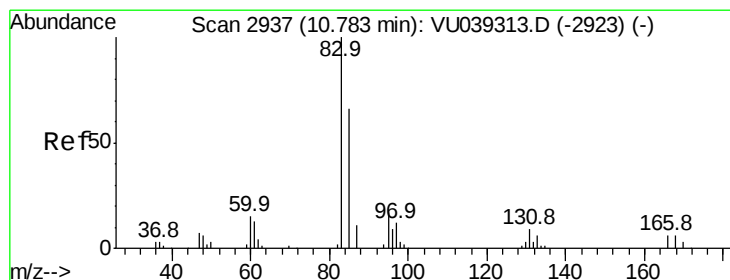
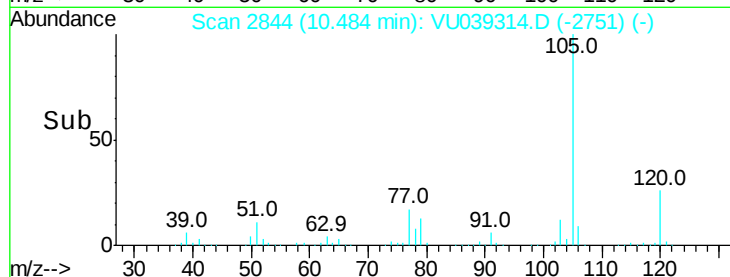
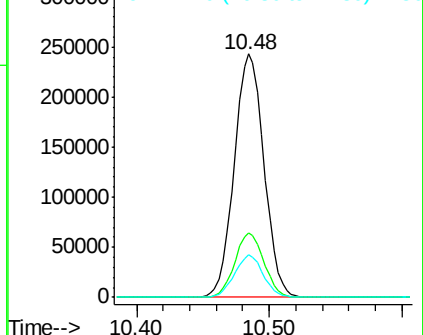
77 16.9 13.9 20.9



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: 9.086 ug/L

RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

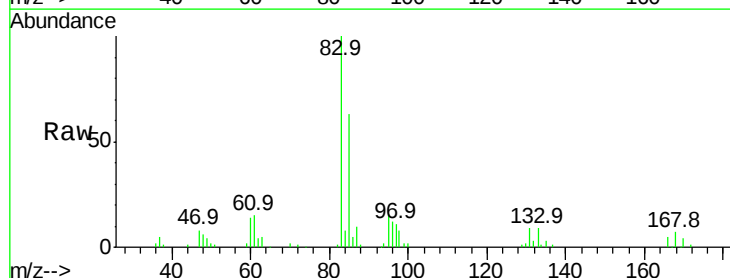
Tgt Ion: 83 Resp: 88789

Ion Ratio Lower Upper

83 100

85 62.8 46.1 85.7

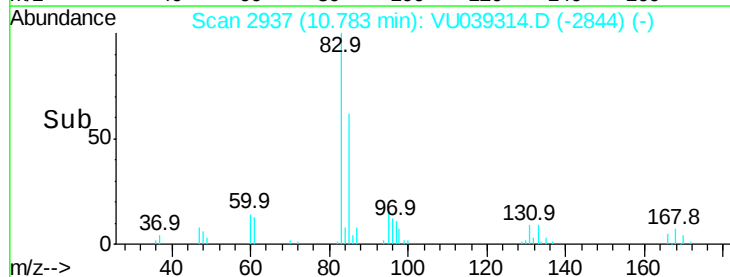
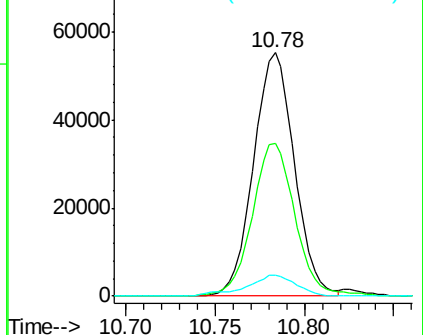
131 8.5 7.4 11.0

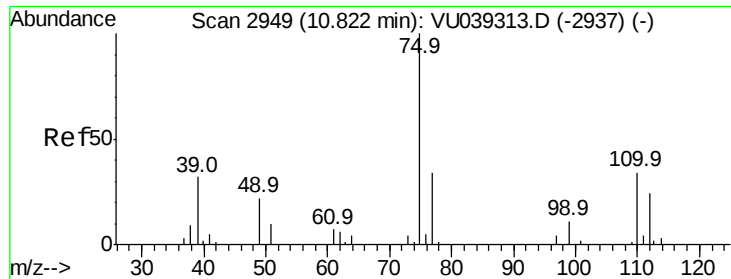


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.270 ug/L

RT: 10.82 min Scan# 2949

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

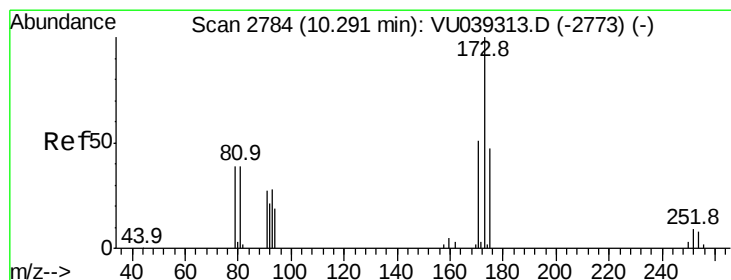
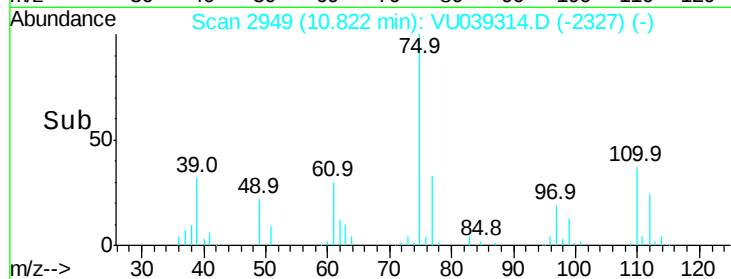
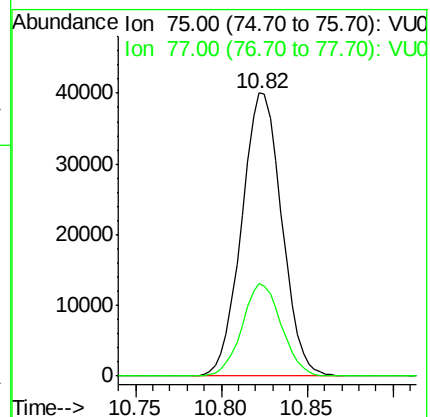
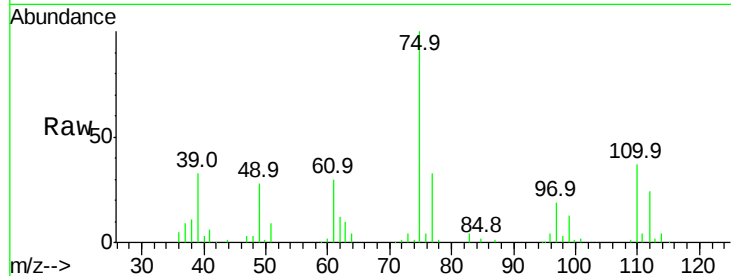
VSTD01002

Tgt Ion: 75 Resp: 64791

Ion Ratio Lower Upper

75 100

77 32.2 26.8 40.2



#61

Bromoform

Concen: 9.530 ug/L

RT: 10.29 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

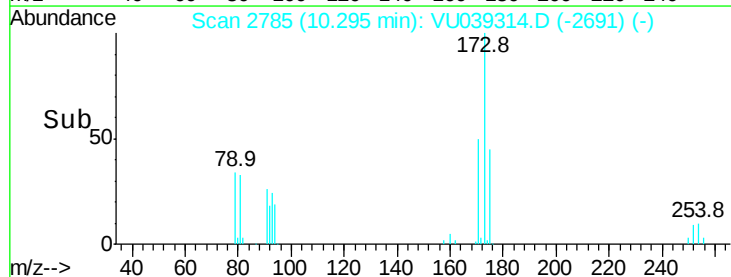
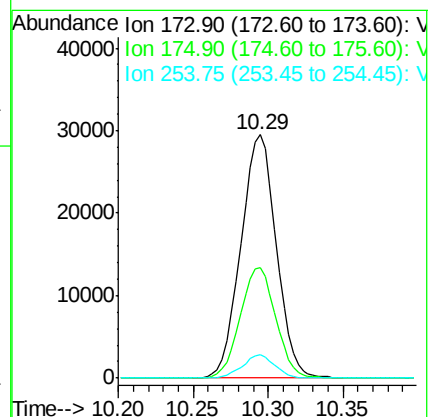
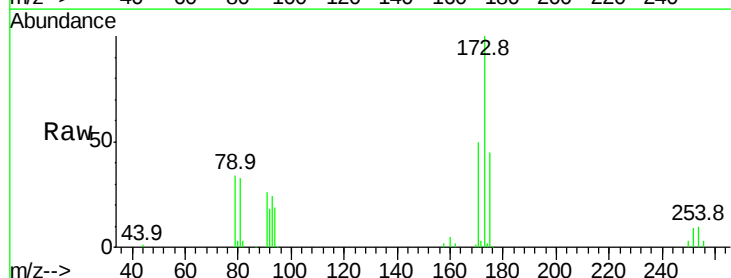
Tgt Ion: 173 Resp: 48681

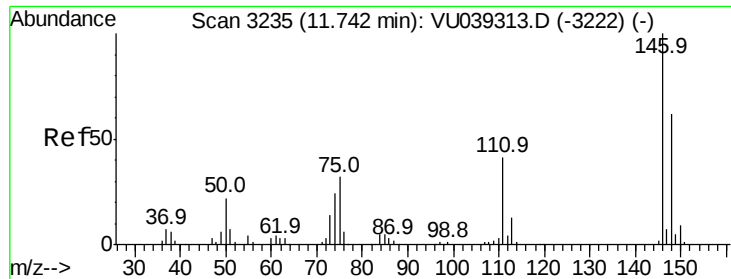
Ion Ratio Lower Upper

173 100

175 45.5 37.5 56.3

254 8.7 6.7 10.1

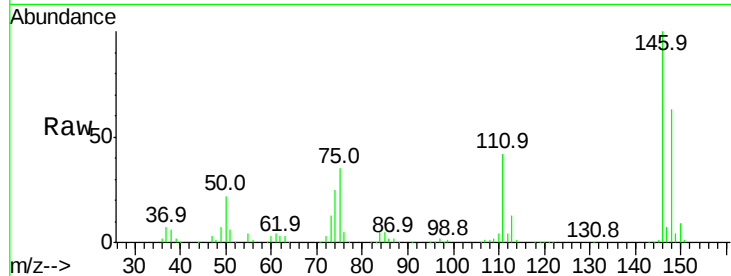




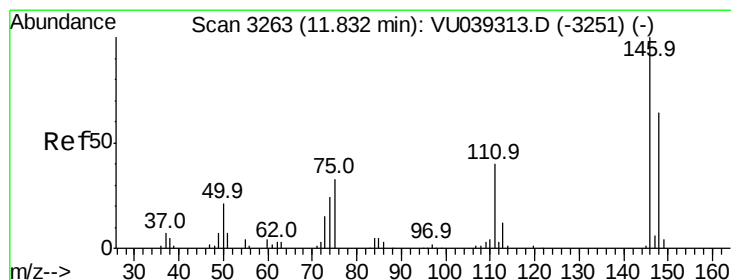
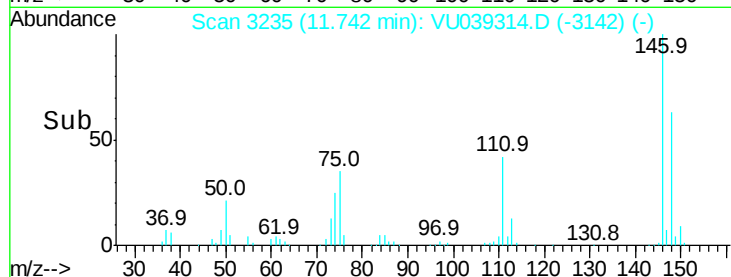
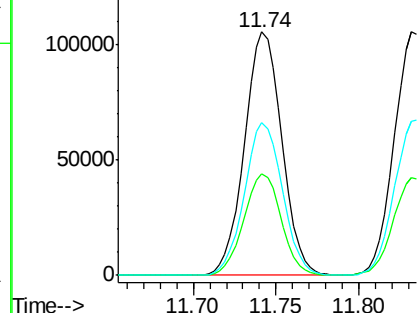
#62
 1,3-Dichlorobenzene
 Concen: 9.219 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:146 Resp: 165995
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.0 53.8
 148 62.6 43.5 80.9

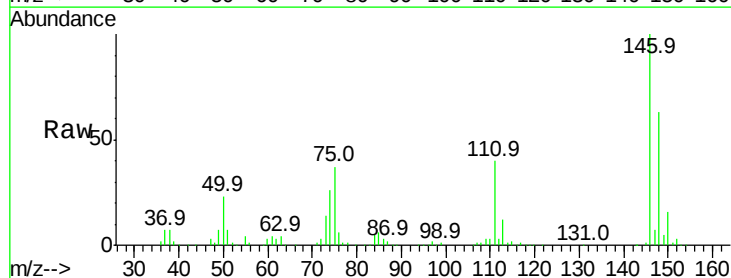


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

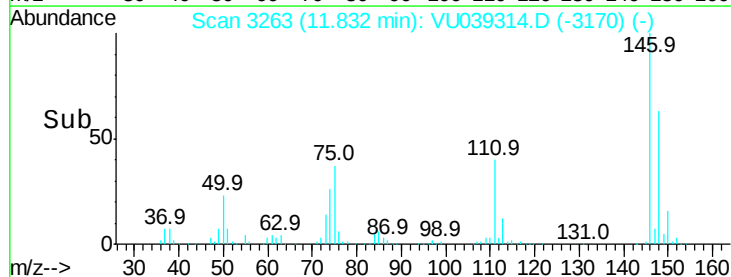
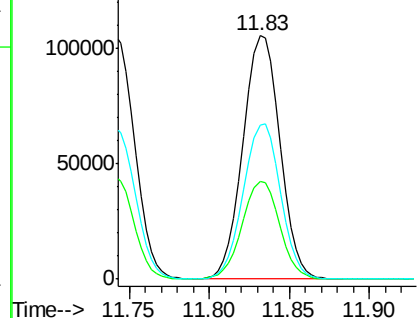


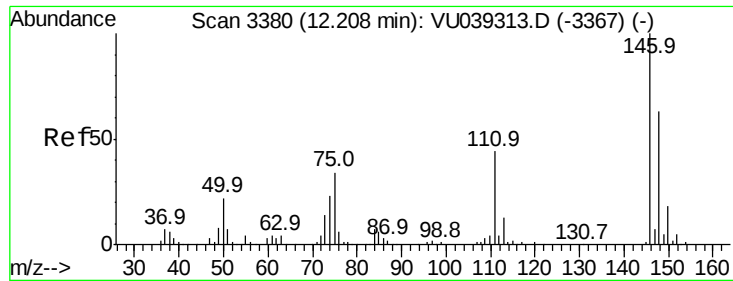
#63
 1,4-Dichlorobenzene
 Concen: 9.436 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion:146 Resp: 166885
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.6 53.0
 148 63.4 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

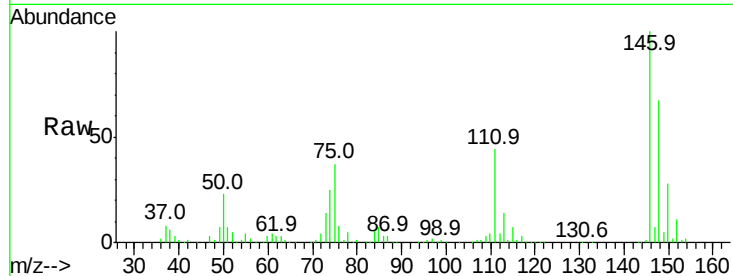




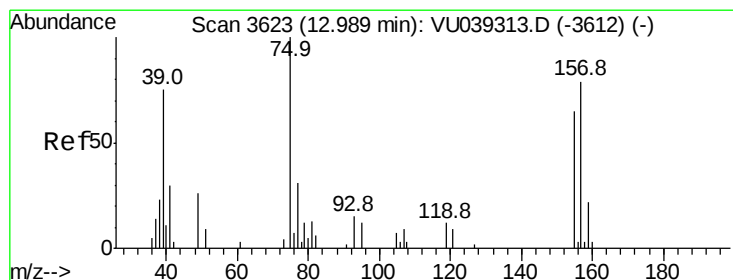
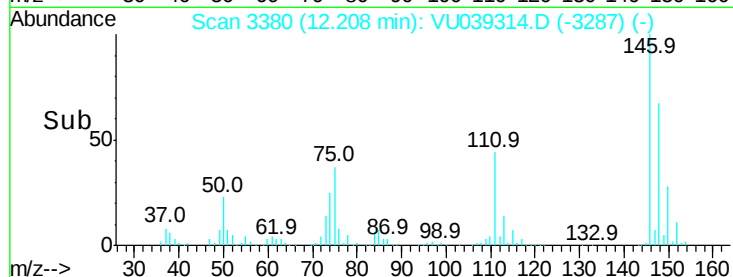
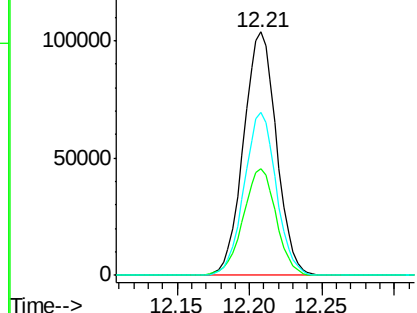
#65
 1,2-Dichlorobenzene
 Concen: 9.283 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion: 146 Resp: 163736
 Ion Ratio Lower Upper
 146 100
 111 43.6 35.0 52.4
 148 66.7 50.6 75.8

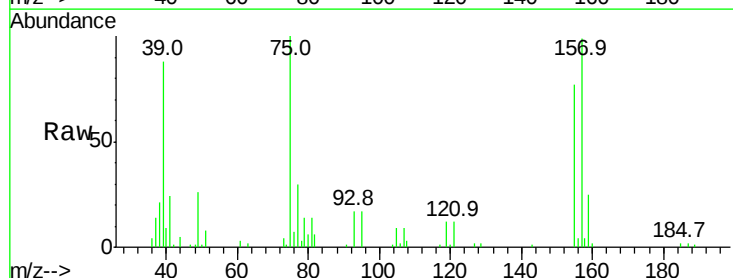


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

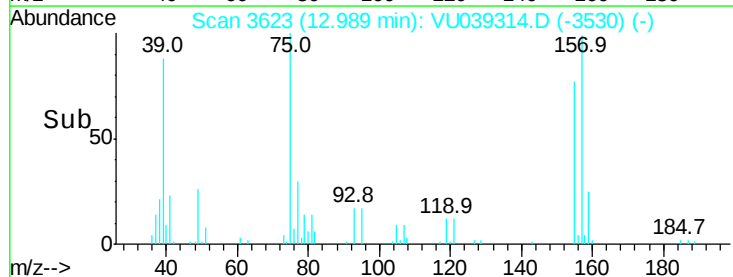
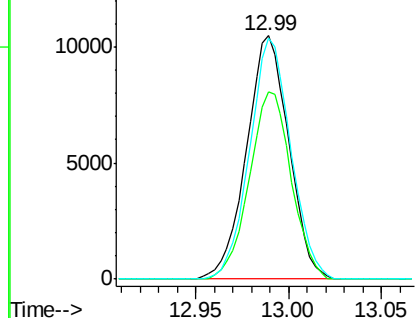


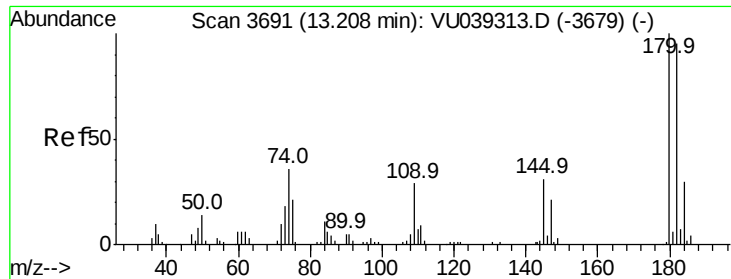
#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.454 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion: 75 Resp: 16632
 Ion Ratio Lower Upper
 75 100
 155 76.9 51.9 77.9
 157 99.2 63.2 94.8#



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

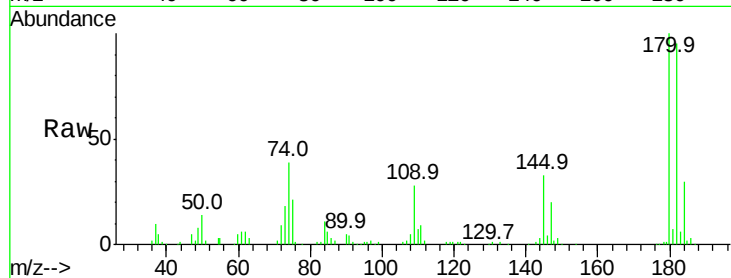




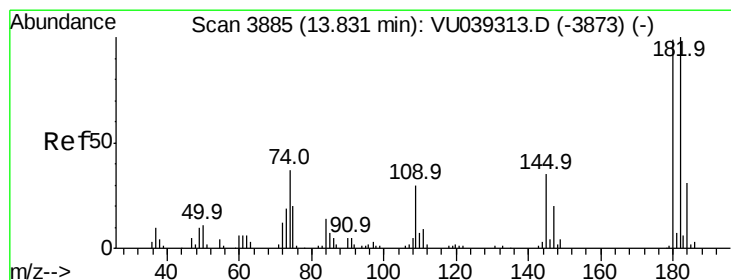
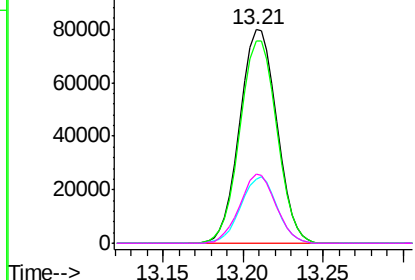
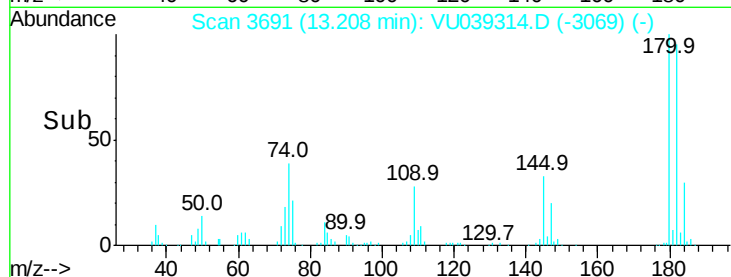
#67
 1,3,5-Trichlorobenzene
 Concen: 9.538 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01002

Tgt Ion:180 Resp: 126186
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.4
 184 30.1 24.2 36.4
 145 31.6 24.2 36.2

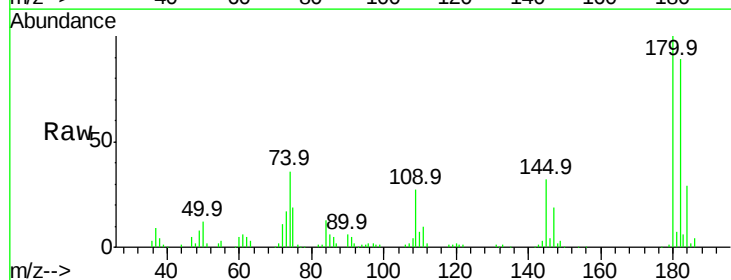


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

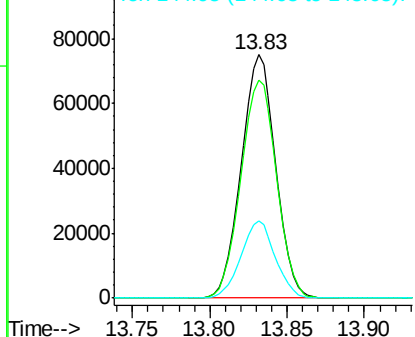
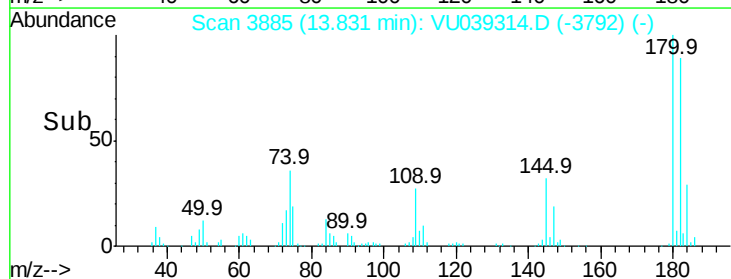


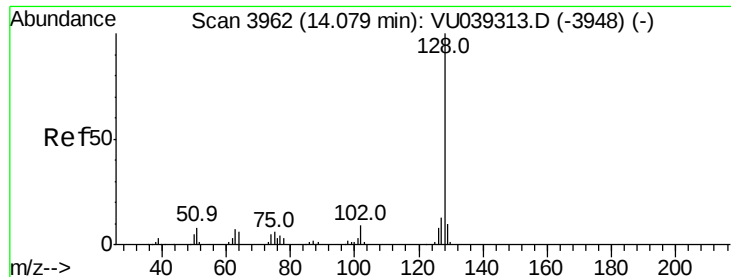
#68
 1,2,4-trichlorobenzene
 Concen: 10.121 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039314.D
 Acq: 07 Jul 2020 14:12

Tgt Ion:180 Resp: 115785
 Ion Ratio Lower Upper
 180 100
 182 93.2 79.4 119.2
 145 31.6 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: 10.639 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

Instrument :

MSVOA_U

ClientSampleId :

VSTD01002

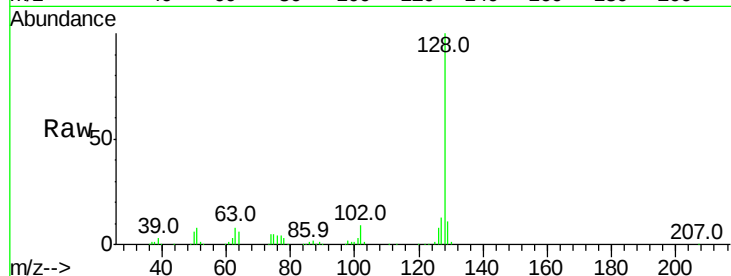
Tgt Ion:128 Resp: 233328

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

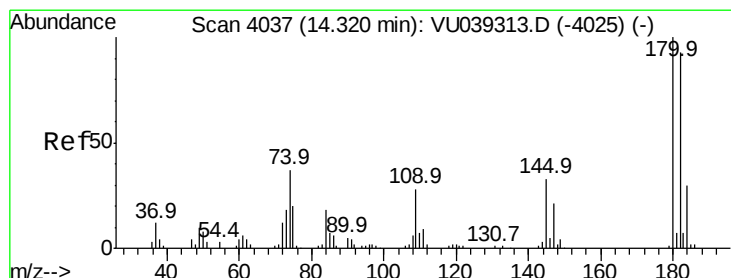
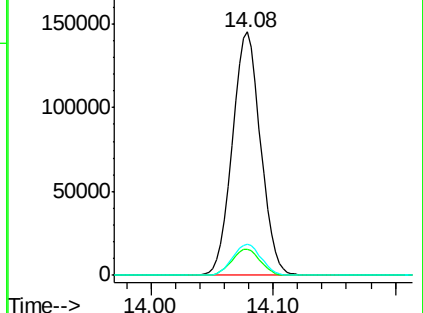
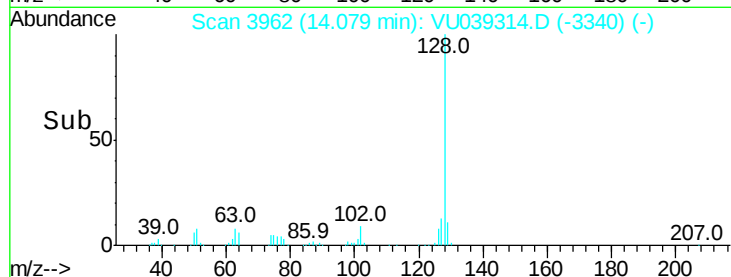
127 13.1 10.4 15.6



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: 10.277 ug/L

RT: 14.32 min Scan# 4037

Delta R.T. 0.00 min

Lab File: VU039314.D

Acq: 07 Jul 2020 14:12

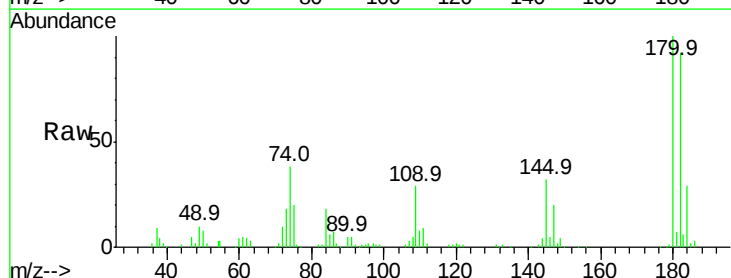
Tgt Ion:180 Resp: 107203

Ion Ratio Lower Upper

180 100

182 92.6 74.2 111.2

145 32.4 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

