

Data File : VU037859.D
Acq On : 23 Apr 2020 12:38
Operator : JC/MD
Sample : VSTD010
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

Quant Time: Apr 23 13:35:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 23 13:33:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	533250	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	518055	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	256755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	46987	9.86	ug/L	0.00
7) Chloroethane-d5	1.93	69	37027	9.52	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	76673	9.51	ug/L	0.00
21) 2-Butanone-d5	4.67	46	76450	19.65	ug/L	0.00
24) Chloroform-d	5.10	84	72774	9.46	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	51490	9.71	ug/L	0.00
32) Benzene-d6	5.76	84	149347	9.30	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	49571	9.18	ug/L	0.00
41) Toluene-d8	7.92	98	138845	9.45	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	25122	9.20	ug/L	0.00
47) 2-Hexanone-d5	8.66	63	54383	19.27	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	68541	9.23	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	49683	9.17	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	44663	9.500 ug/L	100
3) Chloromethane	1.54	50	47845	10.202 ug/L	100
5) Vinyl chloride	1.62	62	52762	9.607 ug/L	96
6) Bromomethane	1.87	94	20104	9.474 ug/L	91
8) Chloroethane	1.95	64	30315	9.400 ug/L	99
9) Trichlorofluoromethane	2.16	101	56907	9.369 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	33232	9.397 ug/L	98
12) 1,1-Dichloroethene	2.60	96	32831	9.416 ug/L	96
13) Acetone	2.66	43	43968	16.989 ug/L	97
14) Carbon disulfide	2.82	76	114306	9.829 ug/L	100
15) Methyl Acetate	2.98	43	53773	9.324 ug/L	100
16) Methylene chloride	3.08	84	39160	9.355 ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	36347	9.446 ug/L	99
18) Methyl tert-butyl Ether	3.40	73	124636	9.099 ug/L	100
19) 1,1-Dichloroethane	3.91	63	73574	9.208 ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	40374	9.388 ug/L	100
22) 2-Butanone	4.75	43	77104	18.130 ug/L	99
23) Bromochloromethane	5.01	128	19745	9.560 ug/L	99
25) Chloroform	5.13	83	70797	9.463 ug/L	99
27) 1,2-Dichloroethane	5.83	62	59620	9.244 ug/L	95
29) Cyclohexane	5.42	56	74136	9.524 ug/L	99
30) 1,1,1-Trichloroethane	5.35	97	59930	9.440 ug/L	99
31) Carbon tetrachloride	5.56	117	46530	9.110 ug/L	98
33) Benzene	5.81	78	160828	9.472 ug/L	100
34) Trichloroethene	6.57	95	40431	9.645 ug/L	98
35) Methylcyclohexane	6.79	83	68600	9.373 ug/L	97
37) 1,2-Dichloropropane	6.82	63	43285	9.025 ug/L	100
38) Bromodichloromethane	7.13	83	52344	9.069 ug/L	96
39) cis-1,3-Dichloropropene	7.63	75	68941	9.126 ug/L	99
40) 4-Methyl-2-pentanone	7.82	43	151006	18.456 ug/L	100

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QLast Update : Thu Apr 23 13:33:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.99	91	168365	9.363	ug/L	99
44) trans-1,3-Dichloropropene	8.23	75	65861	9.070	ug/L	97
45) 1,1,2-Trichloroethane	8.42	97	37903	9.146	ug/L	99
46) Tetrachloroethene	8.57	164	28292	9.396	ug/L	97
48) 2-Hexanone	8.71	43	120097	18.503	ug/L	98
49) Dibromochloromethane	8.83	129	38728	8.976	ug/L	99
50) 1,2-Dibromoethane	8.94	107	40462	9.096	ug/L	99
51) Chlorobenzene	9.47	112	103429	9.211	ug/L	99
52) Ethylbenzene	9.59	91	186346	9.240	ug/L	99
53) m,p-Xylene	9.71	106	69807	9.128	ug/L	97
54) o-xylene	10.12	106	68146	9.170	ug/L	99
55) Styrene	10.13	104	113976	8.849	ug/L	100
56) Isopropylbenzene	10.50	105	178796	9.055	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.80	83	68372	9.259	ug/L	97
59) 1,2,3-Trichloropropane	10.84	75	58634	9.173	ug/L	99
61) Bromoform	10.31	173	28142	8.752	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	79282	9.129	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	80107	9.136	ug/L	96
65) 1,2-Dichlorobenzene	12.22	146	79028	9.224	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.01	75	17314	9.247	ug/L	88
67) 1,3,5-Trichlorobenzene	13.24	180	55144	8.747	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	52943	8.828	ug/L	98
69) Naphthalene	14.11	128	189619	8.976	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	52612	8.816	ug/L	99

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

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Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

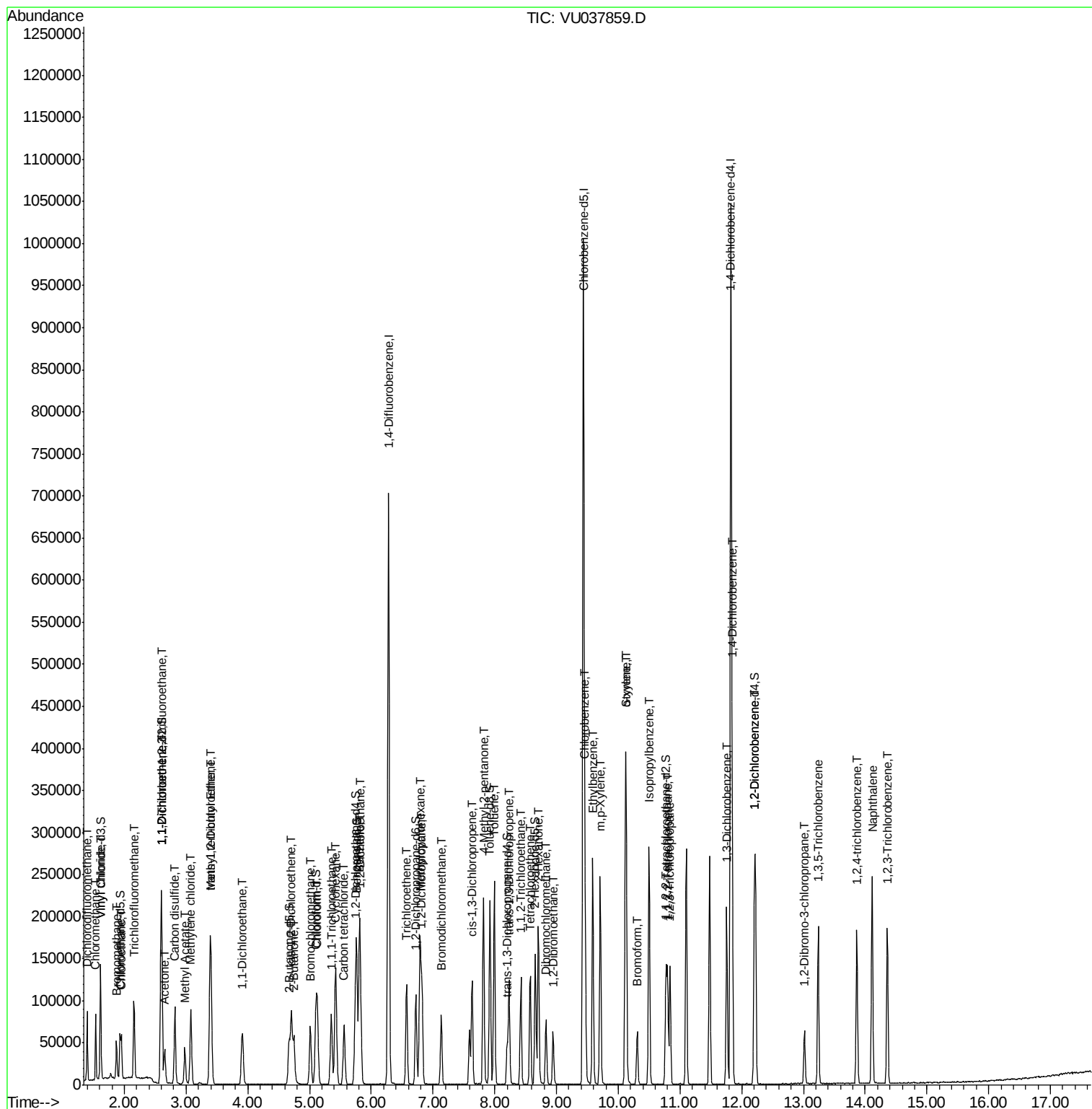
Quant Time: Apr 23 13:35:44 2020

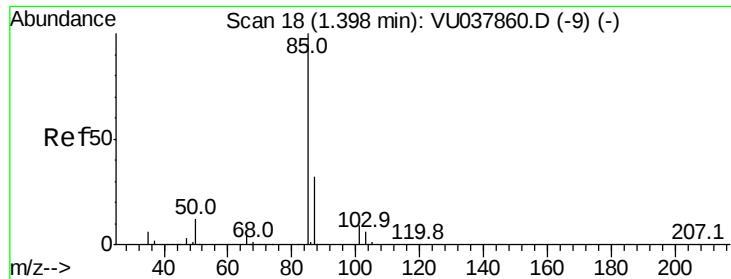
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_U\METHOD\SOMULM042320WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Apr 23 13:33:23 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.500 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

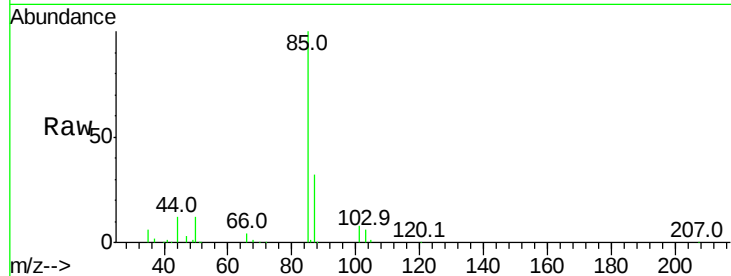
VSTD01034

Tgt Ion: 85 Resp: 44663

Ion Ratio Lower Upper

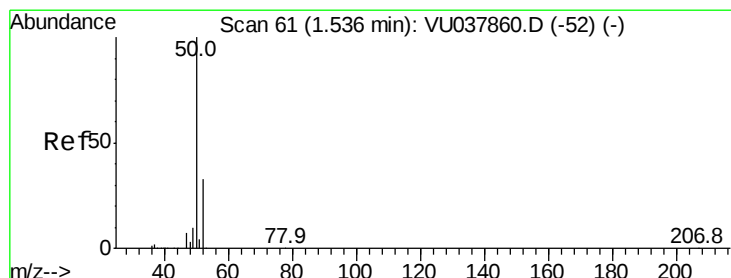
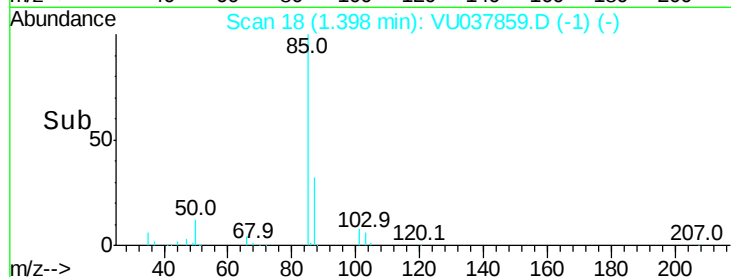
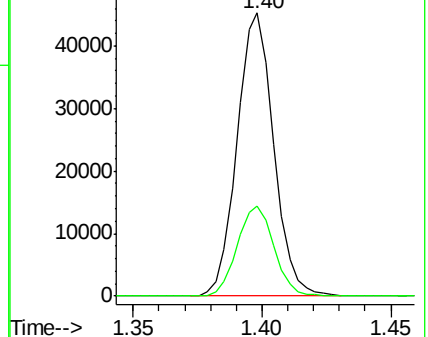
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU037860.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037860.D (-9) (-)



#3

Chloromethane

Concen: 10.202 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037859.D

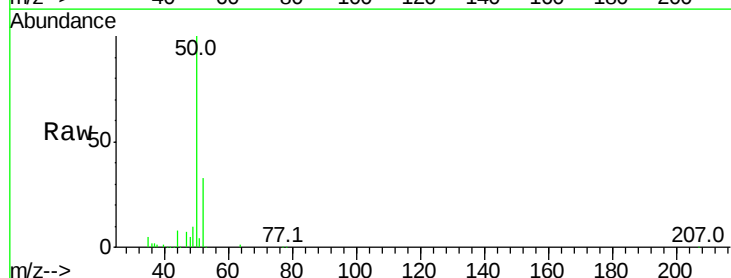
Acq: 23 Apr 2020 12:38

Tgt Ion: 50 Resp: 47845

Ion Ratio Lower Upper

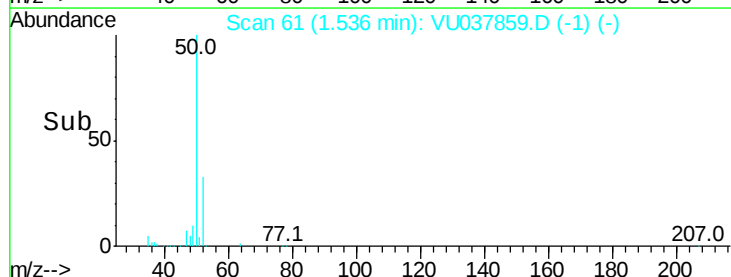
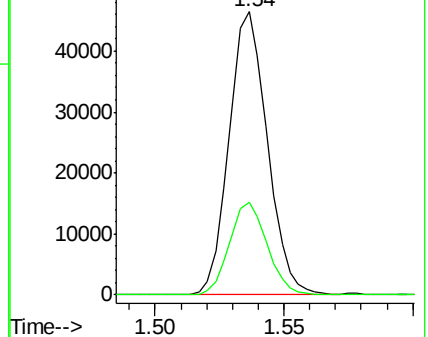
50 100

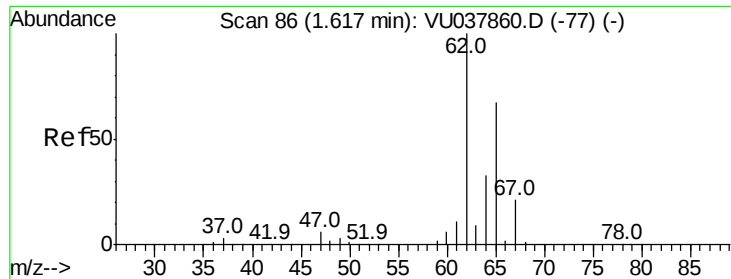
52 32.8 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VU037860.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037860.D (-52) (-)





#5

Vinyl chloride

Concen: 9.607 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

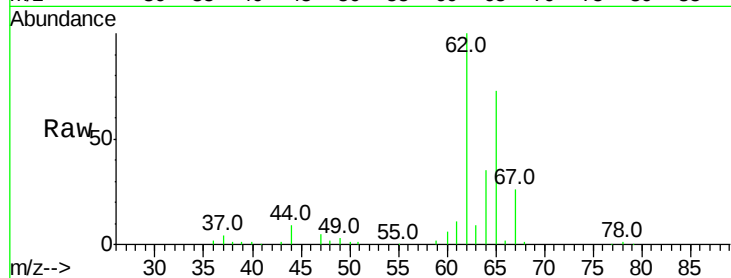
VSTD01034

Tgt Ion: 62 Resp: 52762

Ion Ratio Lower Upper

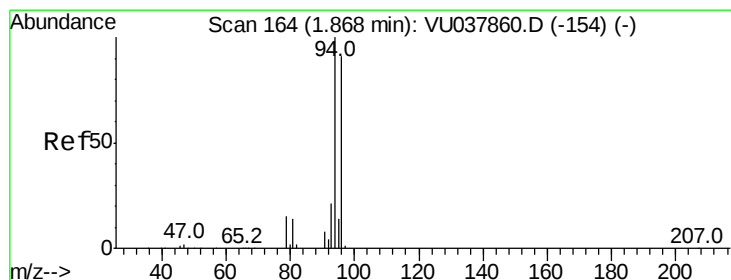
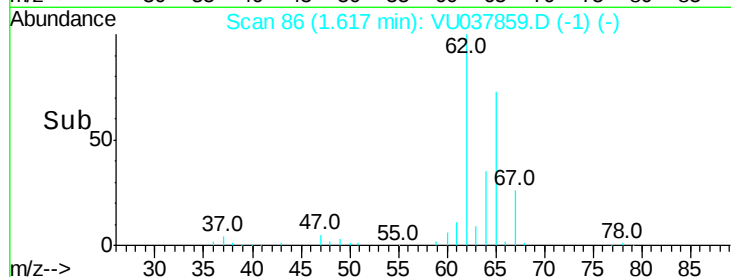
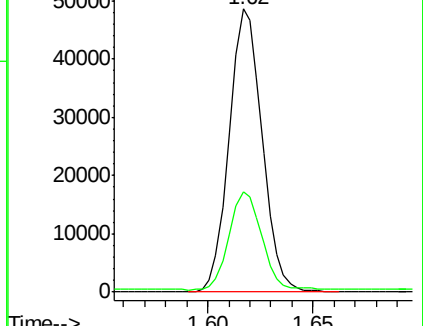
62 100

64 35.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037860.D (-77) (-)

Ion 64.00 (63.70 to 64.70): VU037860.D (-77) (-)



#6

Bromomethane

Concen: 9.474 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037859.D

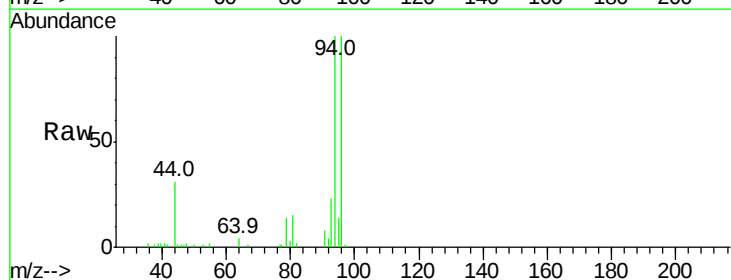
Acq: 23 Apr 2020 12:38

Tgt Ion: 94 Resp: 20104

Ion Ratio Lower Upper

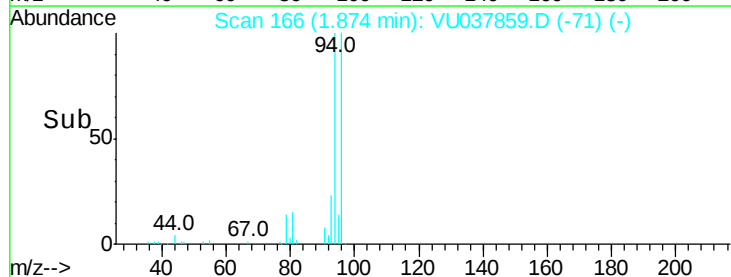
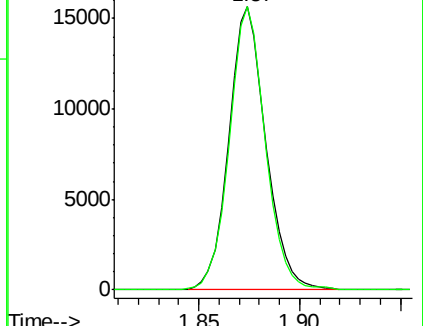
94 100

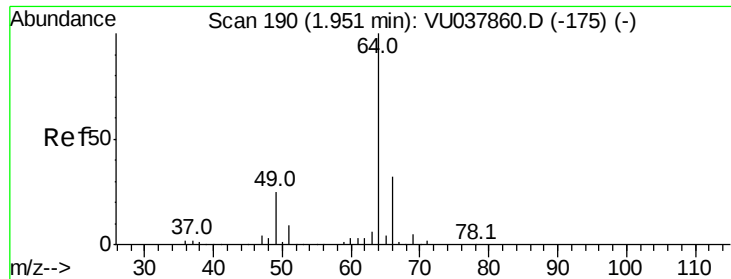
96 100.0 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037860.D (-154) (-)

Ion 96.00 (95.70 to 96.70): VU037860.D (-154) (-)





#8

Chloroethane

Concen: 9.400 ug/L

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

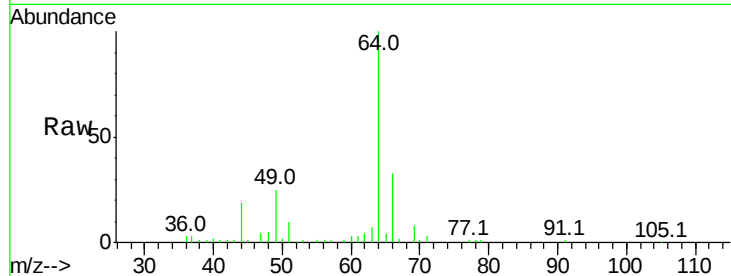
VSTD01034

Tgt Ion: 64 Resp: 30315

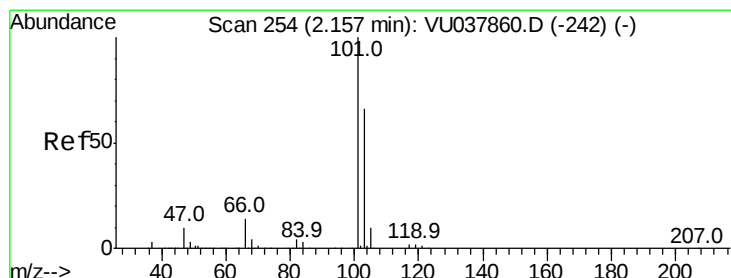
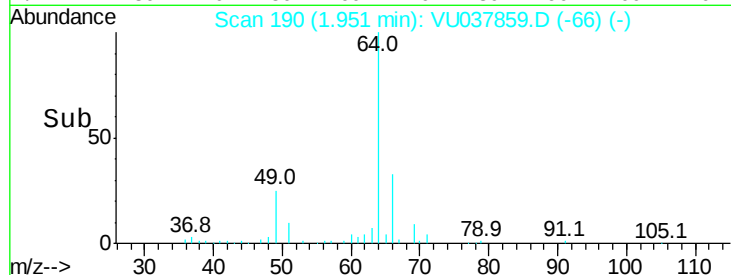
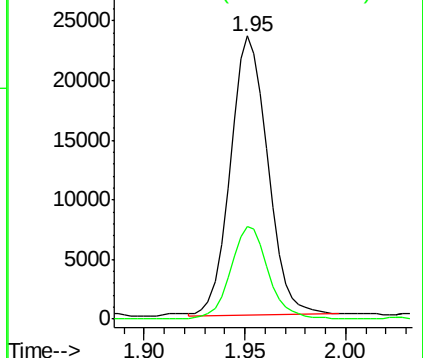
Ion Ratio Lower Upper

64 100

66 32.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VU037860.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 9.369 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU037859.D

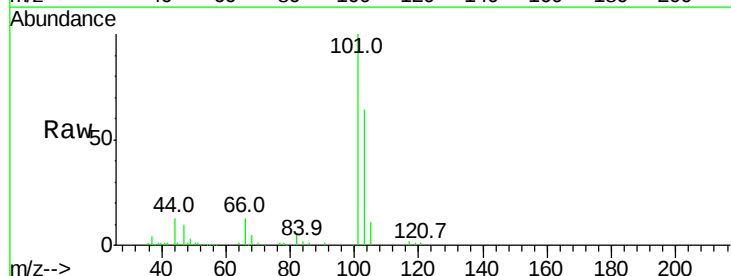
Acq: 23 Apr 2020 12:38

Tgt Ion: 101 Resp: 56907

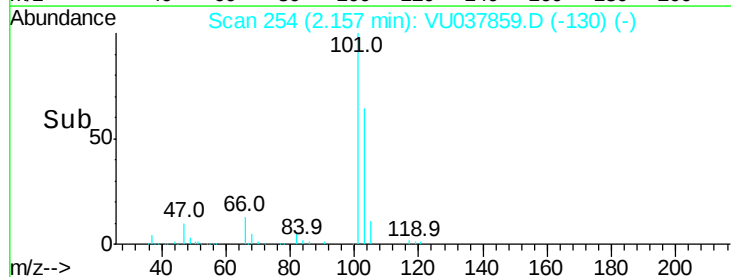
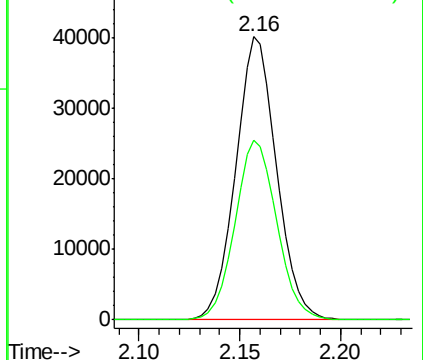
Ion Ratio Lower Upper

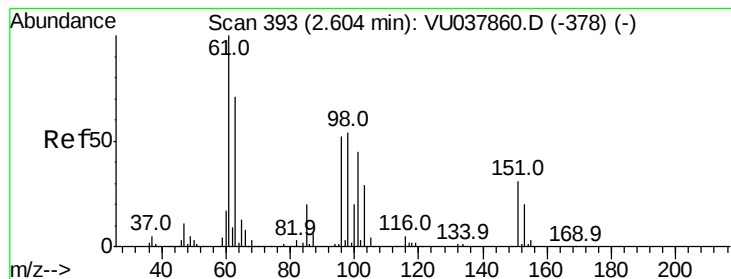
101 100

103 64.8 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU037860.D (-242) (-)





#10

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

Concen: 9.397 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

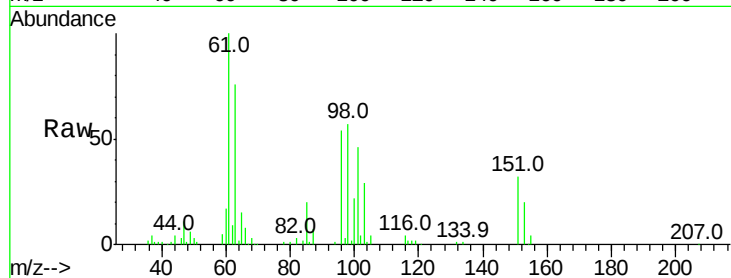
Tgt Ion: 101 Resp: 33232

Ion Ratio Lower Upper

101 100

85 44.0 36.2 54.4

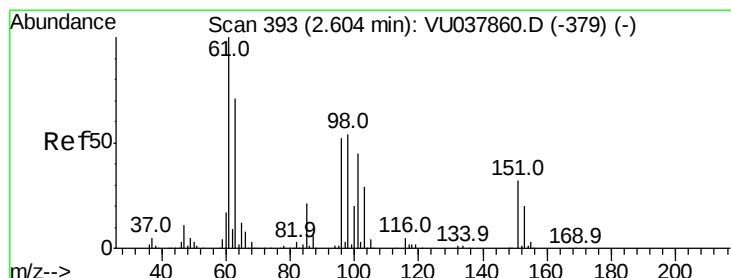
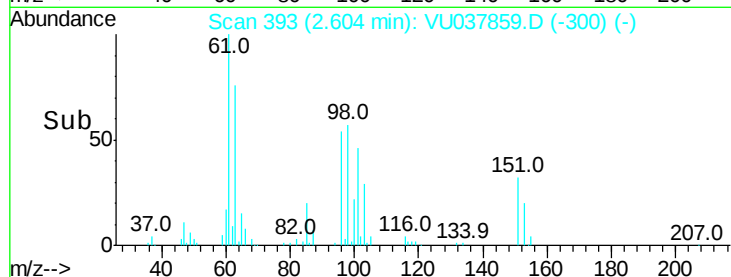
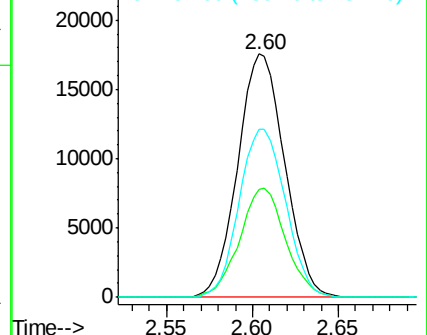
151 68.2 55.5 83.3



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: 9.416 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

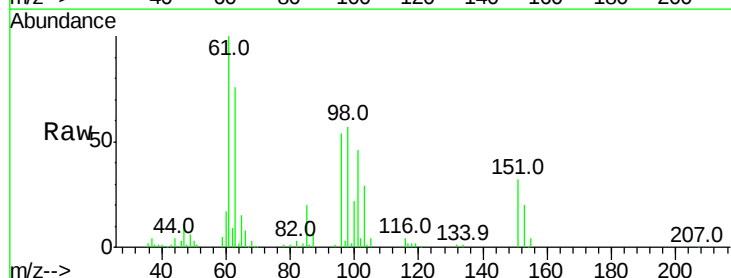
Tgt Ion: 96 Resp: 32831

Ion Ratio Lower Upper

96 100

61 186.7 134.1 249.0

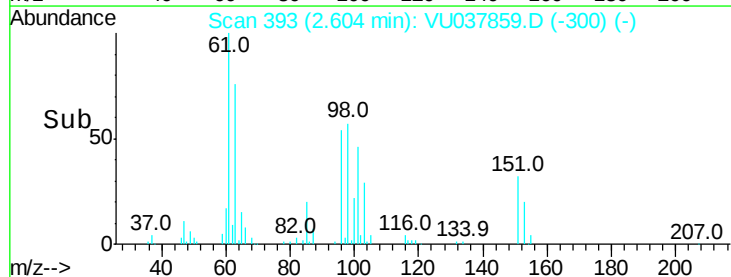
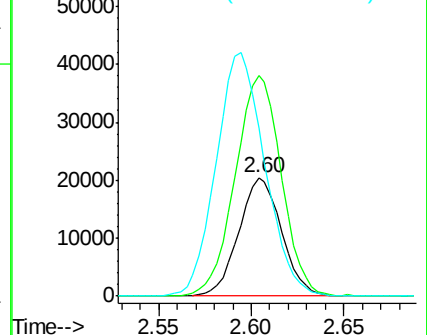
63 142.6 96.5 179.1

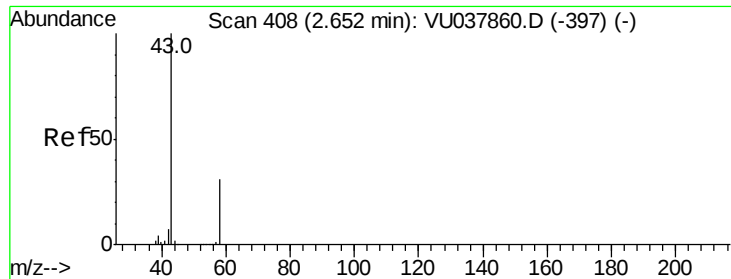


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 16.989 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

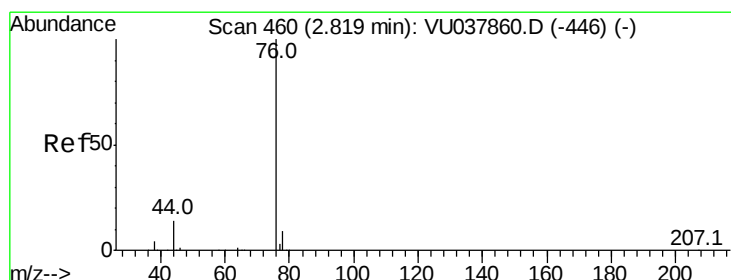
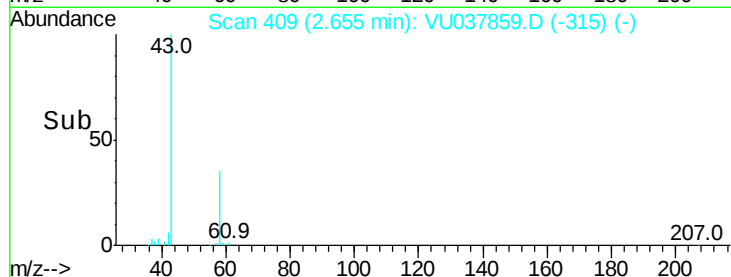
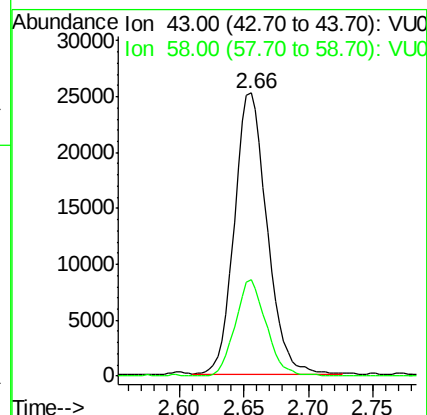
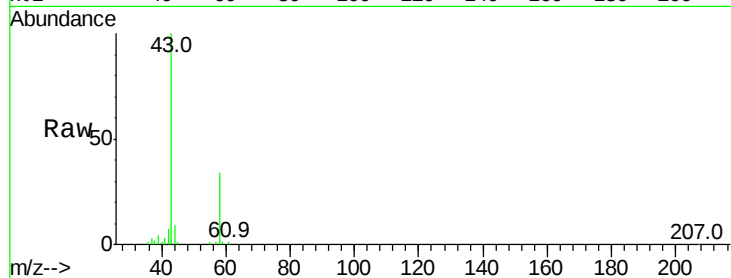
VSTD01034

Tgt Ion: 43 Resp: 43968

Ion Ratio Lower Upper

43 100

58 32.5 0.0 62.0



#14

Carbon disulfide

Concen: 9.829 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037859.D

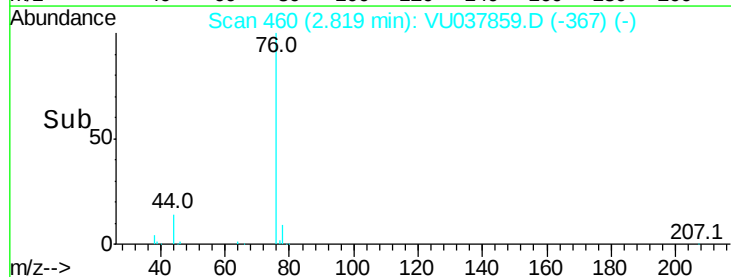
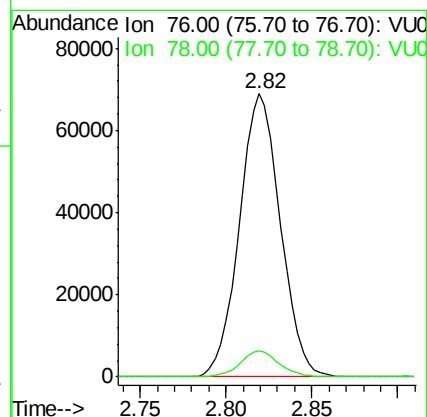
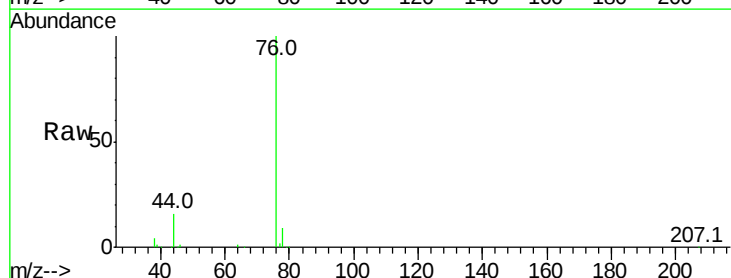
Acq: 23 Apr 2020 12:38

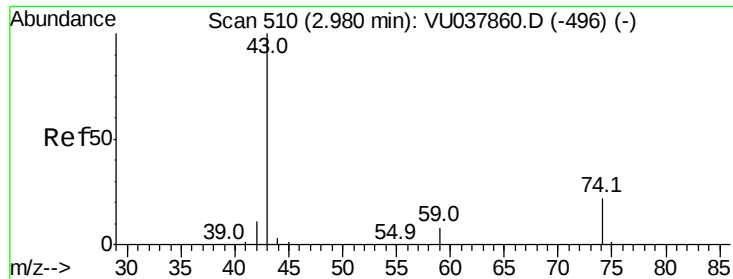
Tgt Ion: 76 Resp: 114306

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0

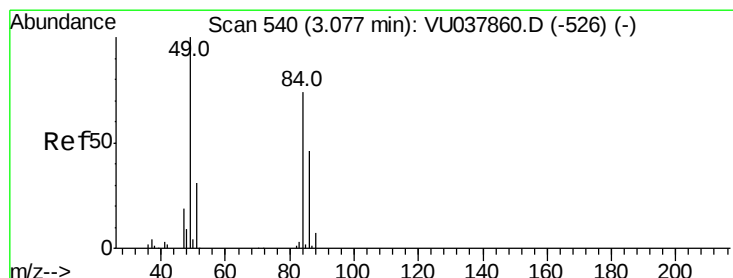
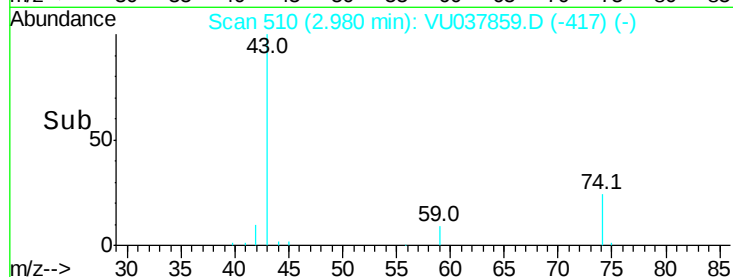
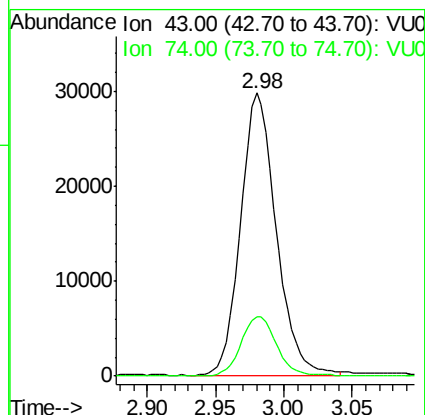
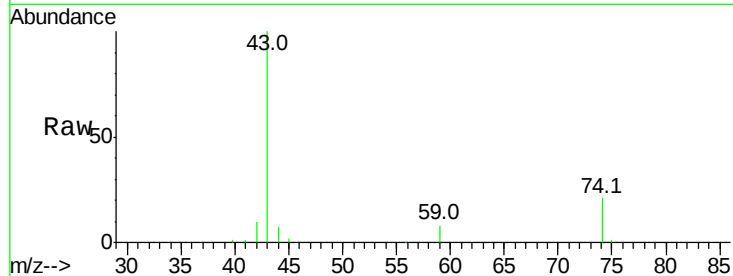




#15
Methyl Acetate
Concen: 9.324 ug/L
RT: 2.98 min Scan# 510
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

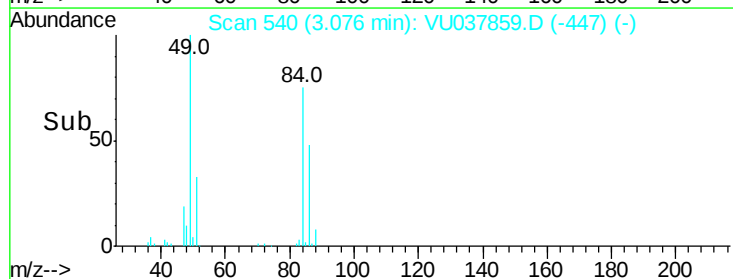
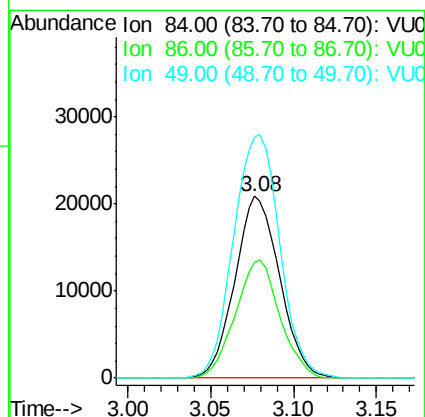
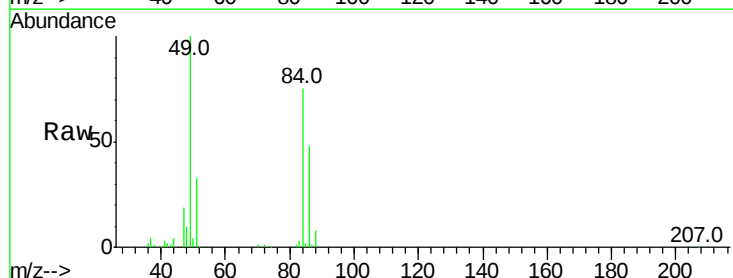
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

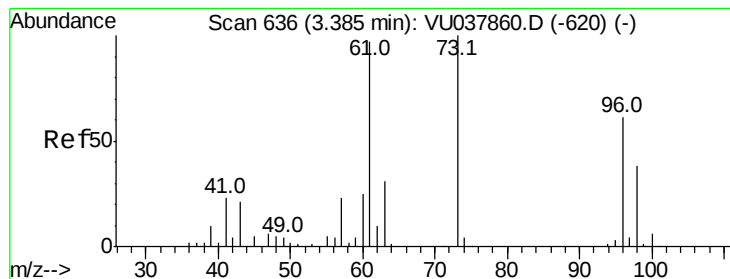
Tgt Ion: 43 Resp: 53773
Ion Ratio Lower Upper
43 100
74 21.0 17.0 25.4



#16
Methylene chloride
Concen: 9.355 ug/L
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

Tgt Ion: 84 Resp: 39160
Ion Ratio Lower Upper
84 100
86 63.5 43.5 80.7
49 132.6 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 9.446 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

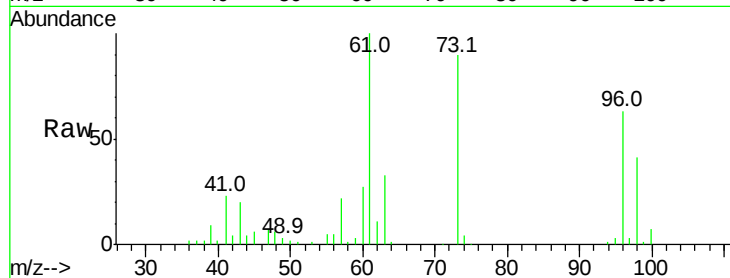
Tgt Ion: 96 Resp: 36347

Ion Ratio Lower Upper

96 100

61 157.8 111.4 207.0

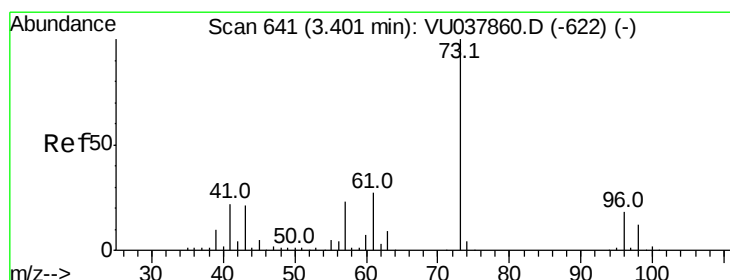
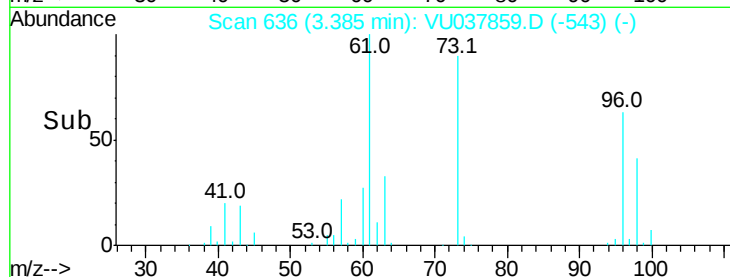
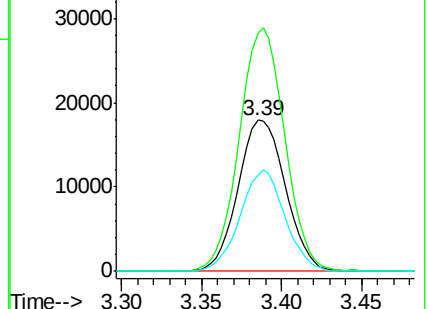
98 64.2 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU037860.D (-620) (-)

Ion 61.00 (60.70 to 61.70): VU037860.D (-620) (-)

Ion 98.00 (97.70 to 98.70): VU037860.D (-620) (-)



#18

Methyl tert-butyl Ether

Concen: 9.099 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

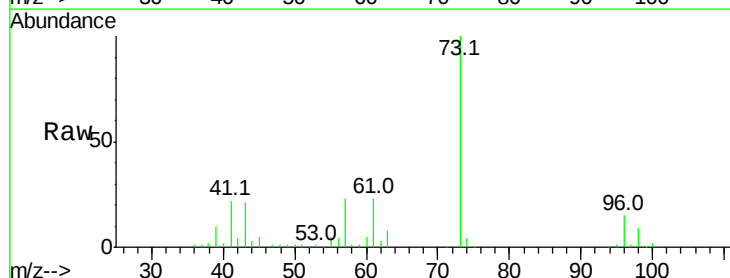
Tgt Ion: 73 Resp: 124636

Ion Ratio Lower Upper

73 100

43 21.4 17.0 25.6

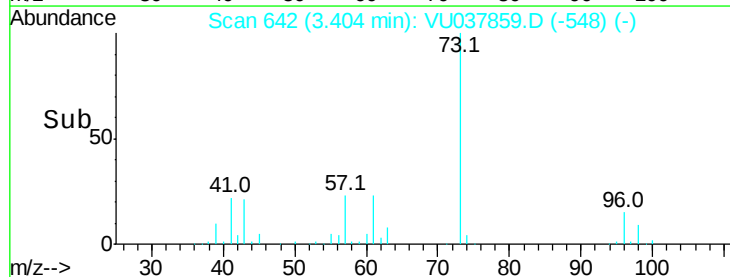
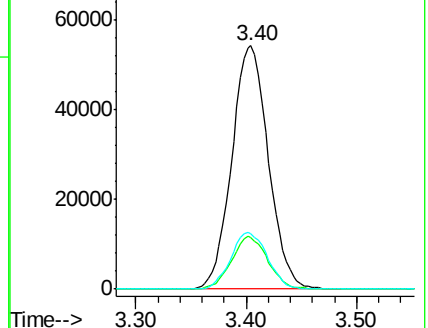
57 23.3 18.7 28.1

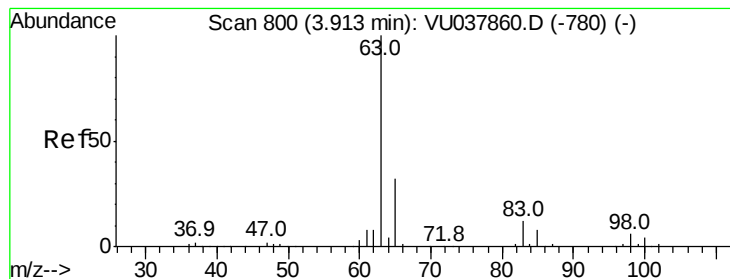


Abundance Ion 73.00 (72.70 to 73.70): VU037860.D (-622) (-)

Ion 43.00 (42.70 to 43.70): VU037860.D (-622) (-)

Ion 57.00 (56.70 to 57.70): VU037860.D (-622) (-)





#19

1,1-Dichloroethane

Concen: 9.208 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

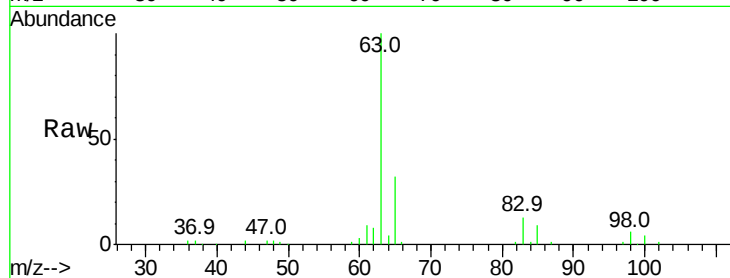
Tgt Ion: 63 Resp: 73574

Ion Ratio Lower Upper

63 100

65 32.3 22.2 41.2

83 12.9 8.6 16.0

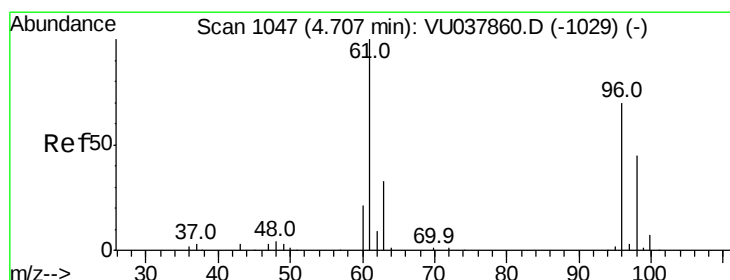
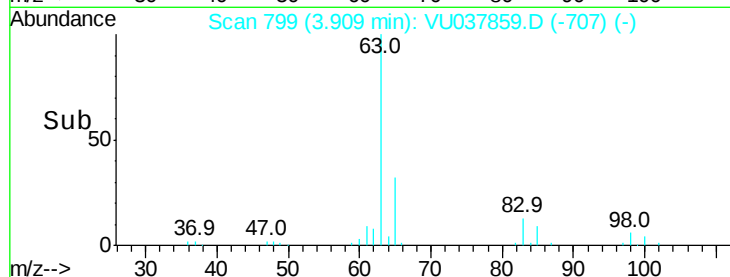


Abundance Ion 63.00 (62.70 to 63.70): VU037860.D (-780) (-)

Ion 65.00 (64.70 to 65.70): VU037860.D (-780) (-)

Ion 83.00 (82.70 to 83.70): VU037860.D (-780) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 9.388 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

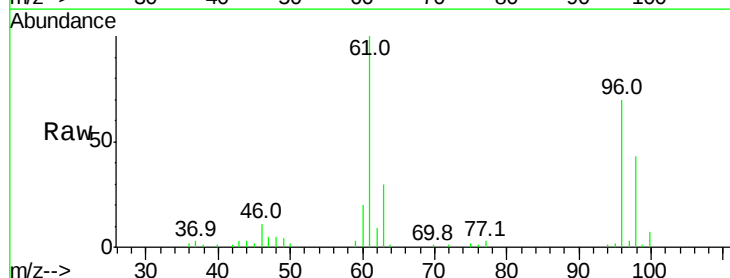
Tgt Ion: 96 Resp: 40374

Ion Ratio Lower Upper

96 100

61 143.5 100.4 186.4

68 0.0 0.0 0.0

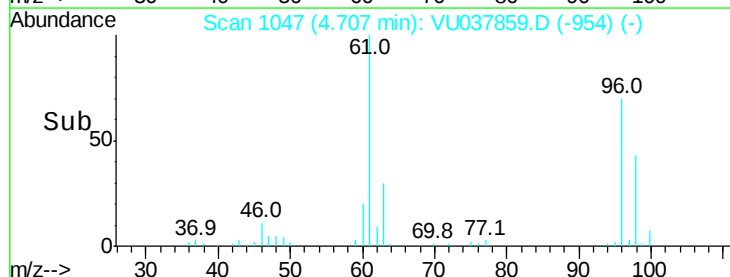


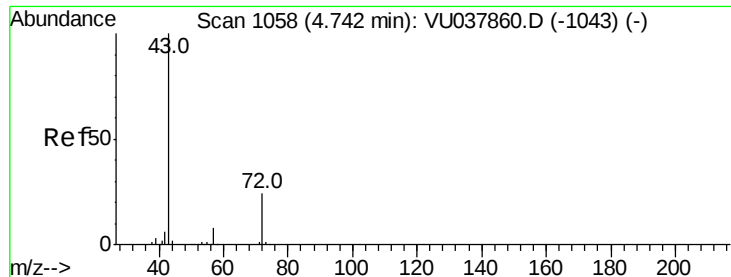
Abundance Ion 96.00 (95.70 to 96.70): VU037860.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037860.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037860.D (-1029) (-)

Time-->





#22

2-Butanone

Concen: 18.130 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

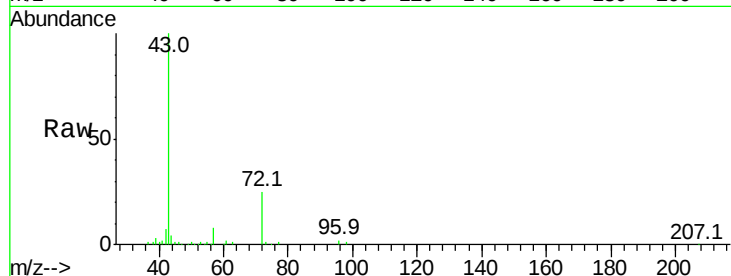
VSTD01034

Tgt Ion: 43 Resp: 77104

Ion Ratio Lower Upper

43 100

72 24.6 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037859.D (-1060) (-)

Ion 72.00 (71.70 to 72.70): VU037859.D (-1060) (-)

4.75

30000

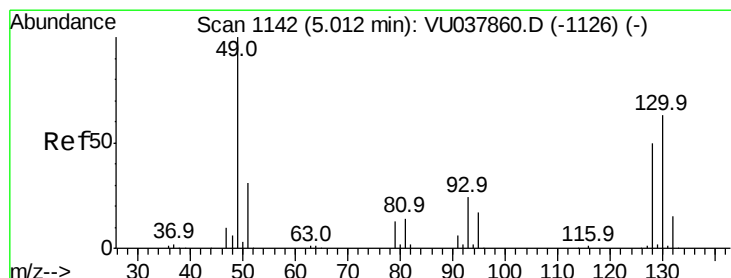
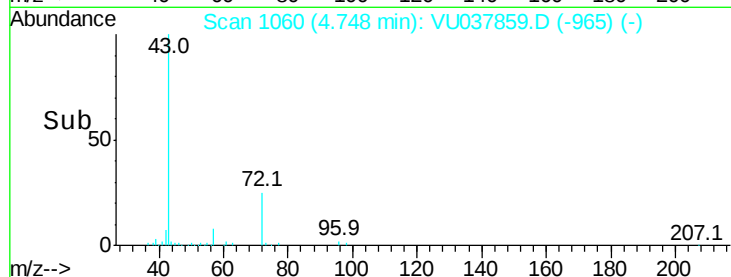
20000

10000

0

4.65 4.70 4.75 4.80 4.85

Time-->



#23

Bromochloromethane

Concen: 9.560 ug/L

RT: 5.01 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Tgt Ion: 128 Resp: 19745

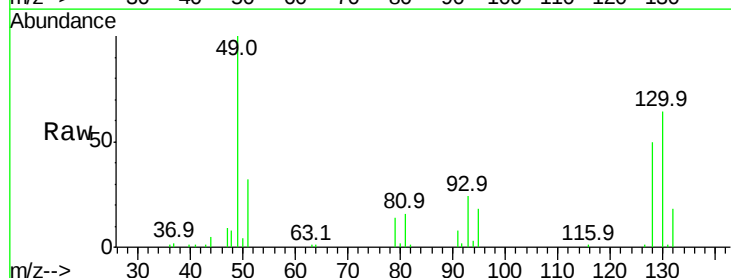
Ion Ratio Lower Upper

128 100

49 199.6 140.9 261.7

130 127.3 88.6 164.6

51 64.8 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037859.D (-1142) (-)

Ion 49.00 (48.70 to 49.70): VU037859.D (-1142) (-)

Ion 130.00 (129.70 to 130.70): VU037859.D (-1142) (-)

Ion 51.00 (50.70 to 51.70): VU037859.D (-1142) (-)

5.01

25000

20000

15000

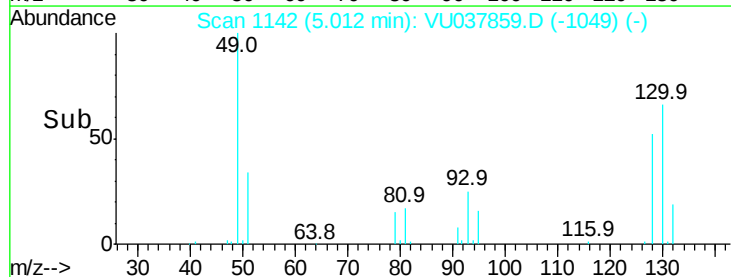
10000

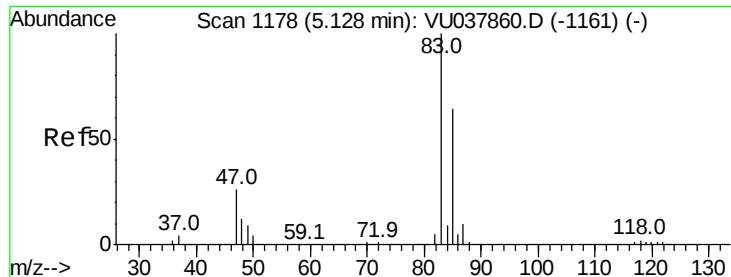
5000

0

4.95 5.00 5.05 5.10

Time-->

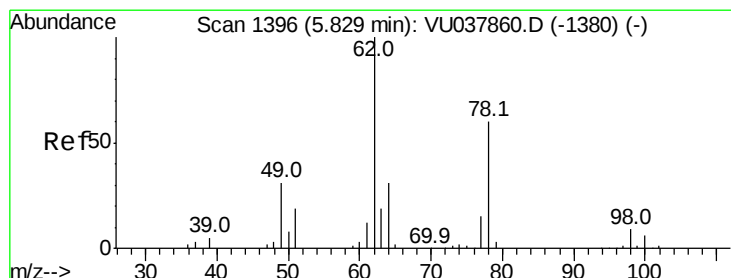
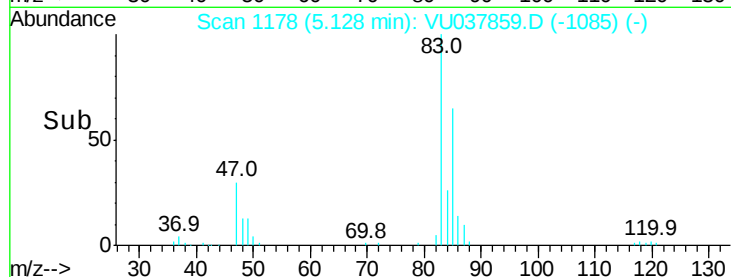
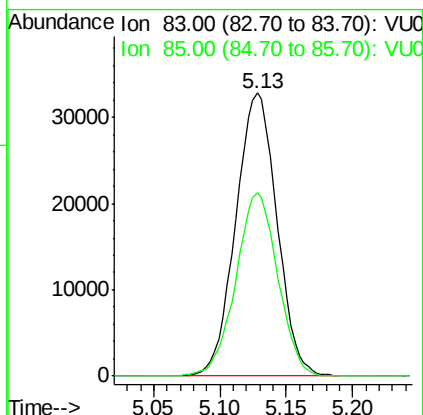
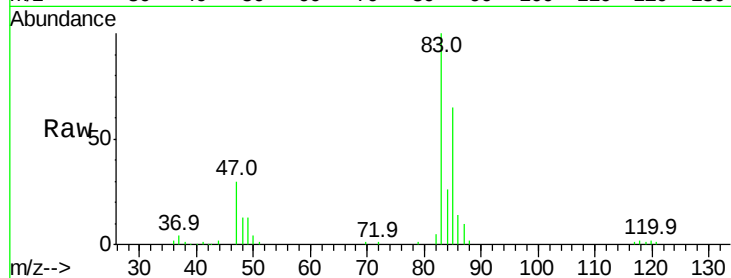




#25
Chloroform
Concen: 9.463 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

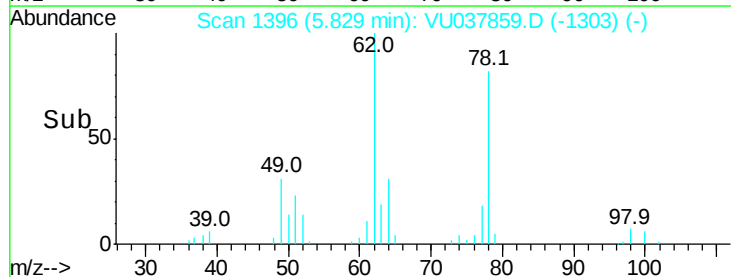
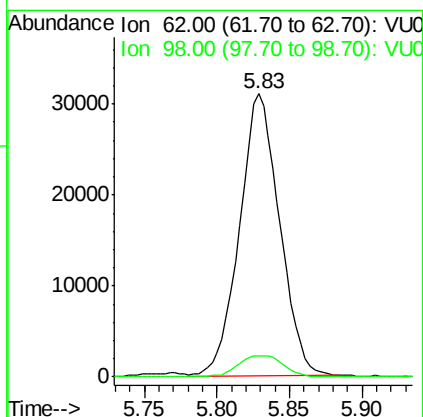
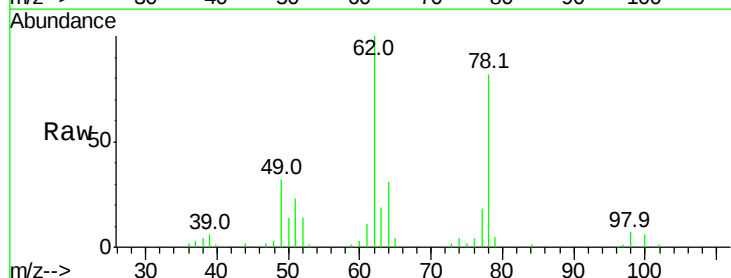
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

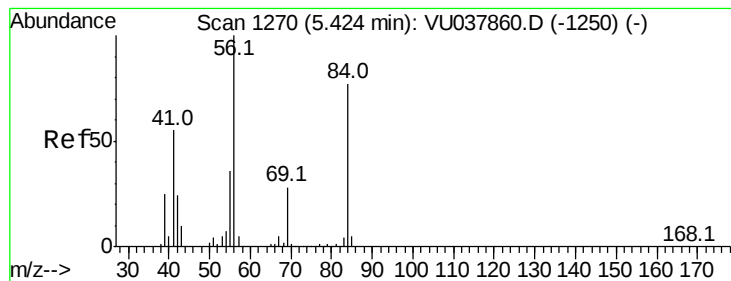
Tgt Ion: 83 Resp: 70797
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9



#27
1,2-Dichloroethane
Concen: 9.244 ug/L
RT: 5.83 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

Tgt Ion: 62 Resp: 59620
Ion Ratio Lower Upper
62 100
98 7.4 7.3 10.9





#29

Cyclohexane

Concen: 9.524 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

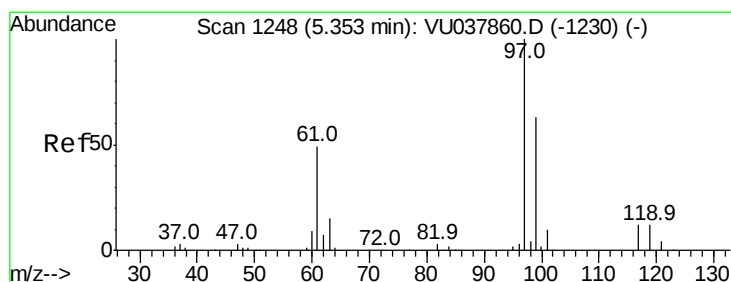
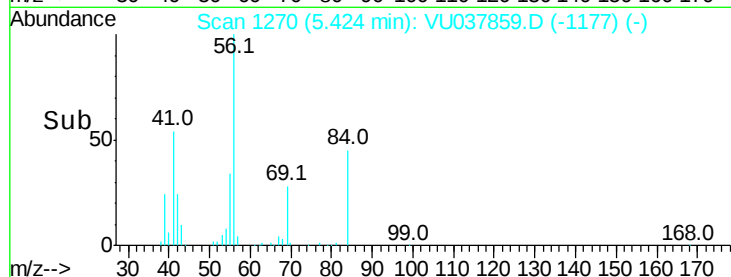
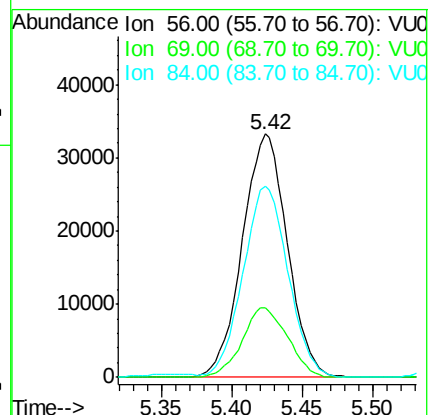
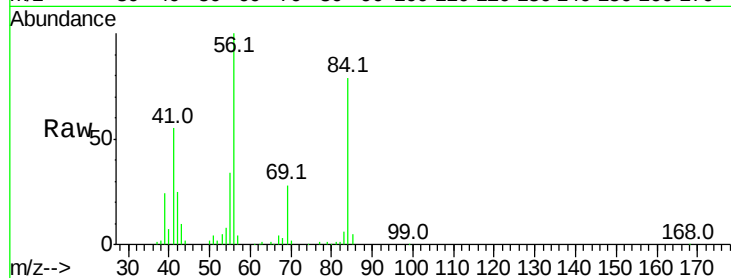
Tgt Ion: 56 Resp: 74136

Ion Ratio Lower Upper

56 100

69 28.9 22.9 34.3

84 78.9 63.6 95.4



#30

1,1,1-Trichloroethane

Concen: 9.440 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

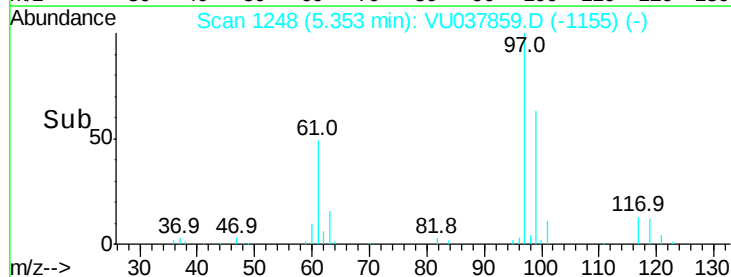
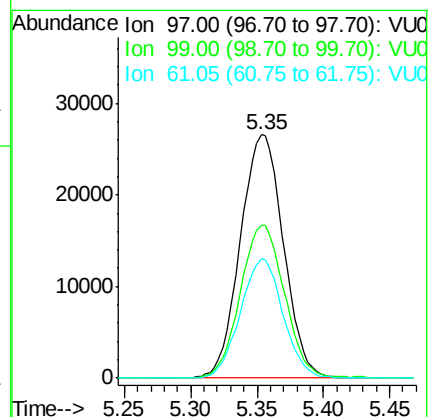
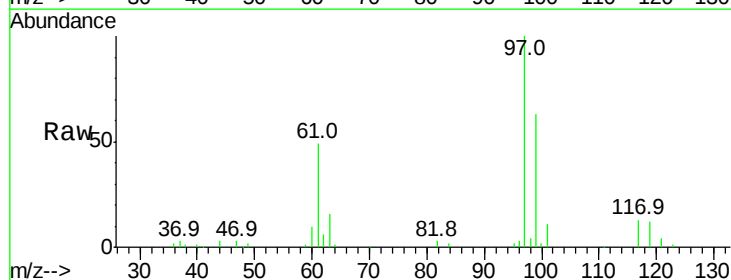
Tgt Ion: 97 Resp: 59930

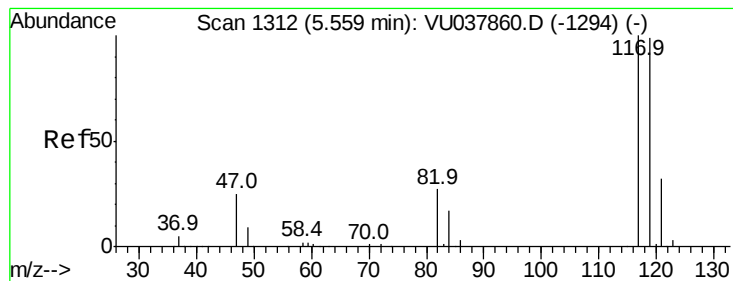
Ion Ratio Lower Upper

97 100

99 64.5 50.7 76.1

61 48.3 38.9 58.3





#31

Carbon tetrachloride

Concen: 9.110 ug/L

RT: 5.56 min Scan# 1312

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

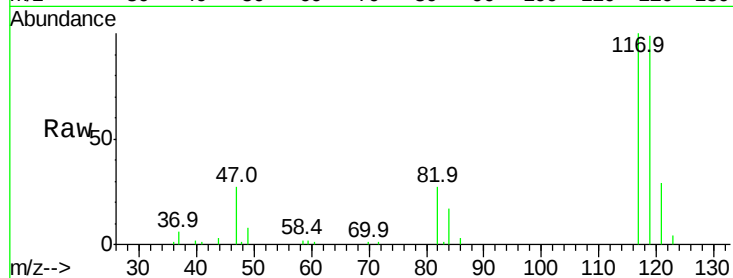
VSTD01034

Tgt Ion:117 Resp: 46530

Ion Ratio Lower Upper

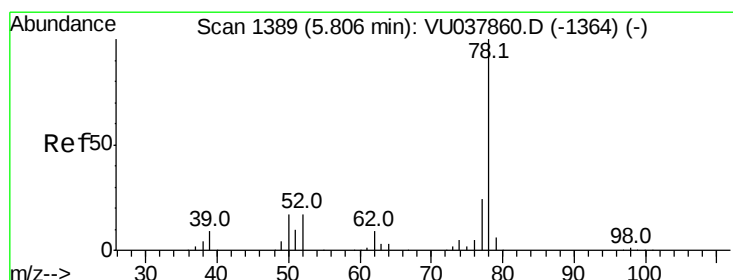
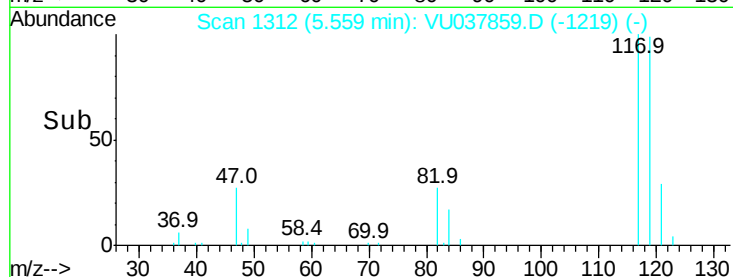
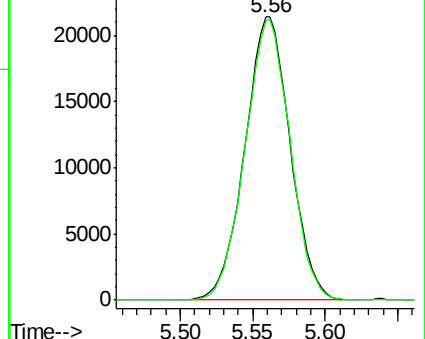
117 100

119 98.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.472 ug/L

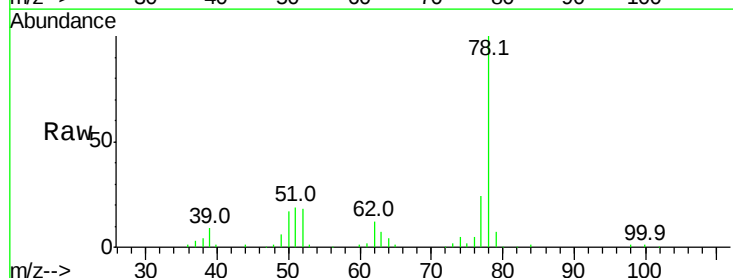
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

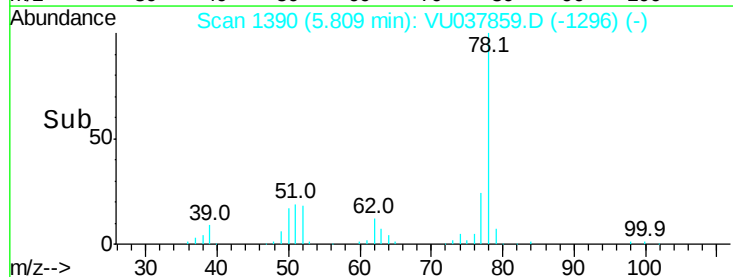
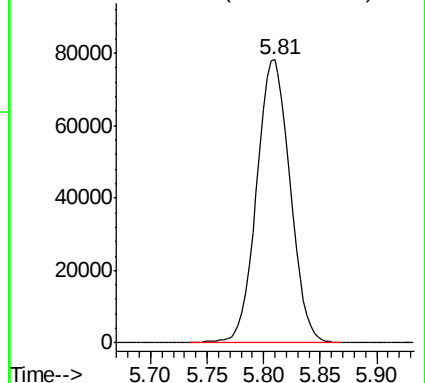
Lab File: VU037859.D

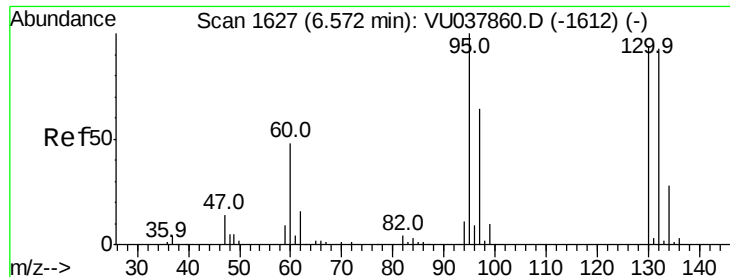
Acq: 23 Apr 2020 12:38

Tgt Ion: 78 Resp: 160828



Abundance Ion 78.00 (77.70 to 78.70): VU0





#34

Trichloroethene

Concen: 9.645 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

Tgt Ion: 95 Resp: 40431

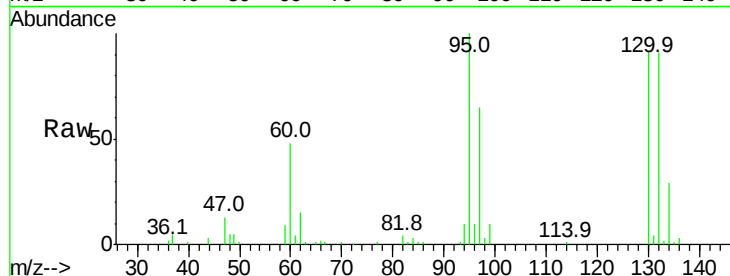
Ion Ratio Lower Upper

95 100

97 65.0 44.4 82.5

132 90.6 65.0 120.6

130 90.8 65.5 121.7

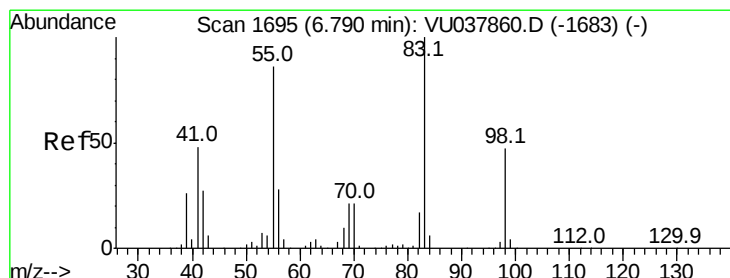
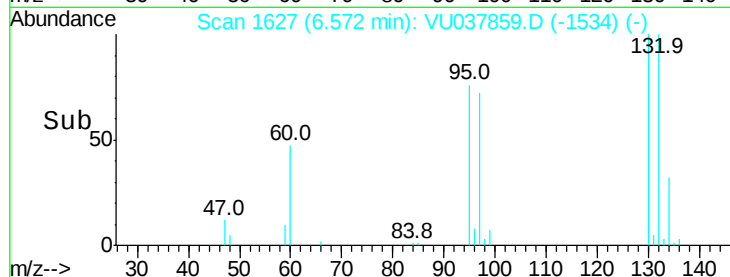
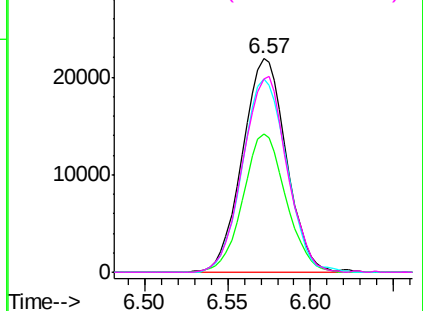


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.373 ug/L

RT: 6.79 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

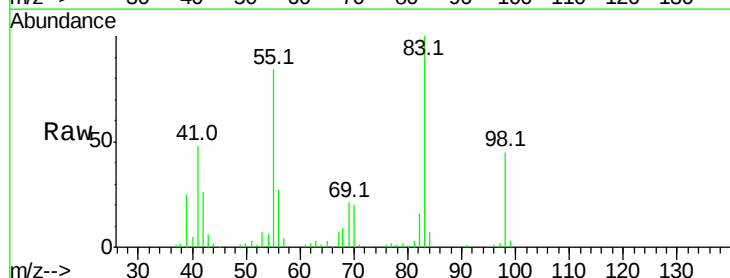
Tgt Ion: 83 Resp: 68600

Ion Ratio Lower Upper

83 100

55 81.2 66.3 99.5

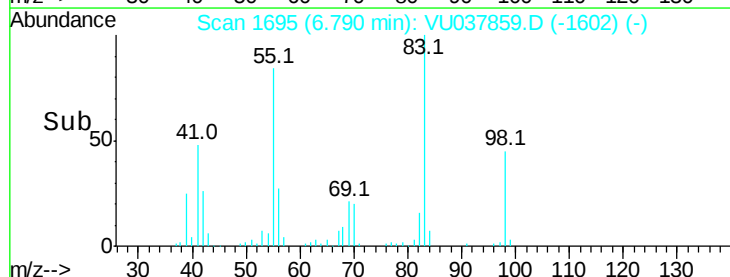
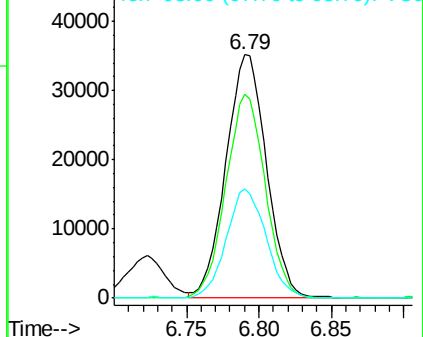
98 43.8 37.4 56.0

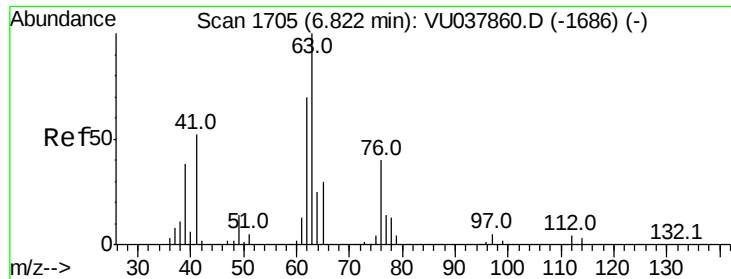


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

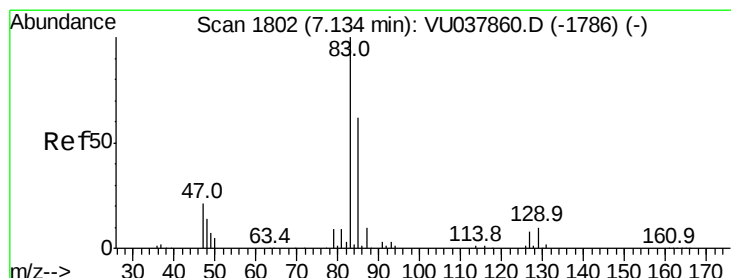
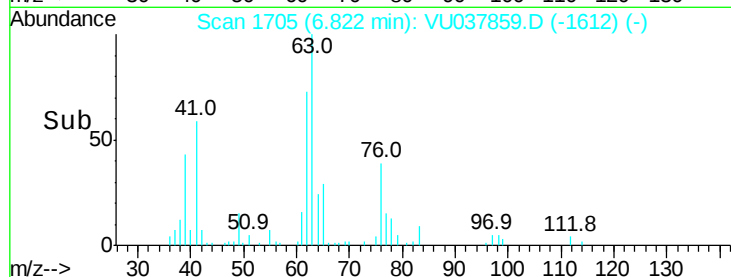
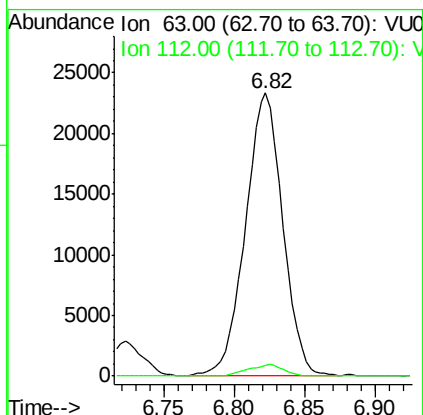
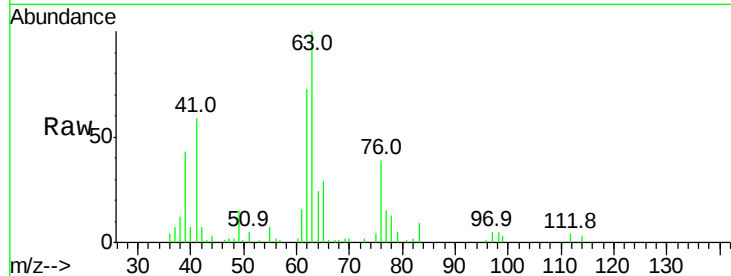




#37
 1,2-Dichloropropane
 Concen: 9.025 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

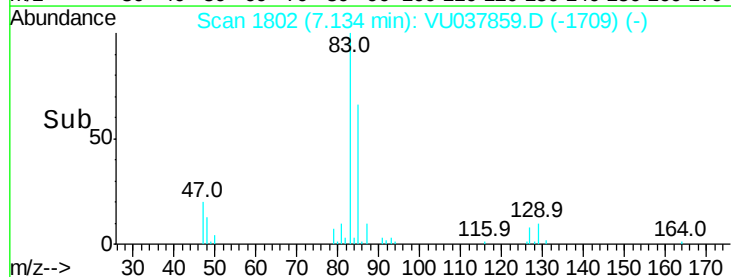
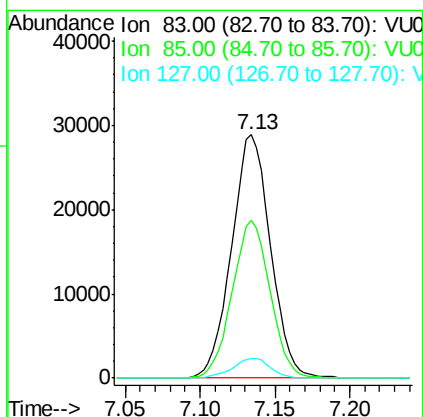
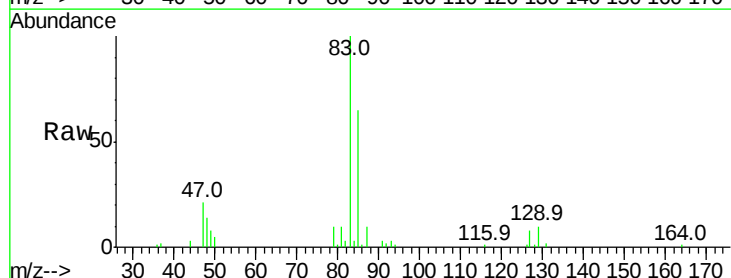
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

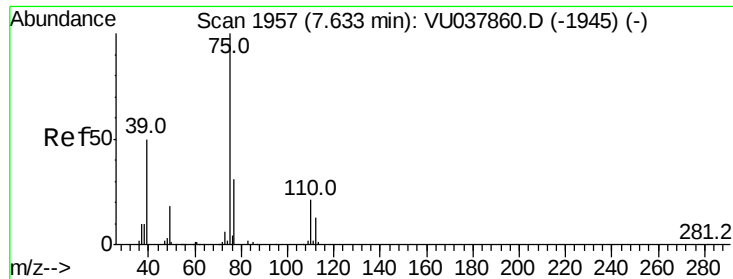
Tgt Ion: 63 Resp: 43285
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 9.069 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion: 83 Resp: 52344
 Ion Ratio Lower Upper
 83 100
 85 65.1 43.3 80.3
 127 8.0 6.2 9.2





#39

cis-1,3-Dichloroprene

Concen: 9.126 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. -0.00 min

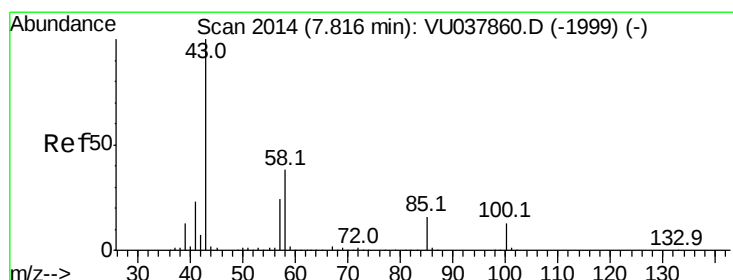
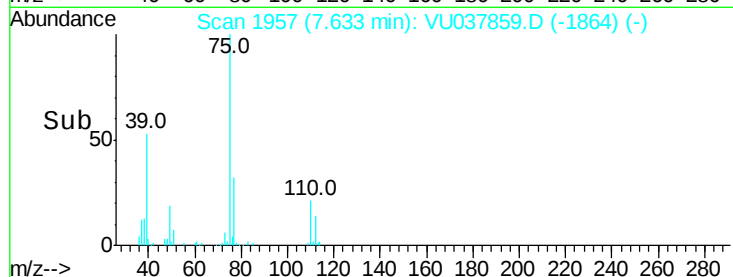
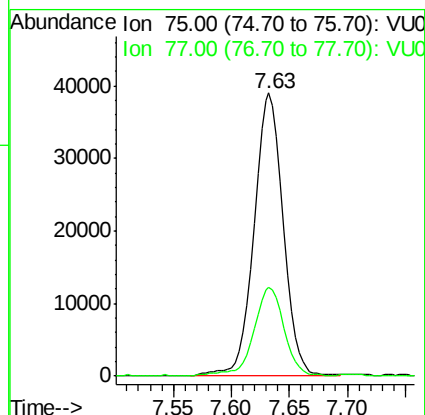
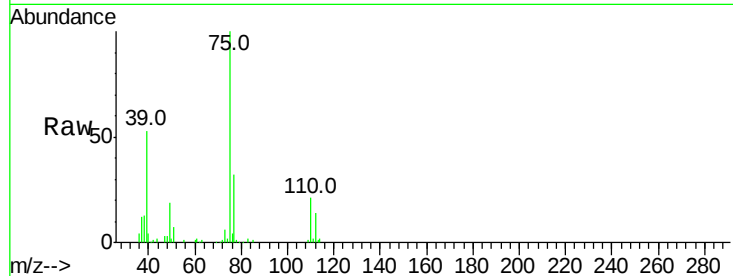
Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

Tgt Ion: 75 Resp: 68941

Ion	Ratio	Lower	Upper
75	100		
77	31.6	21.7	40.3



#40

4-Methyl-2-pentanone

Concen: 18.456 ug/L

RT: 7.82 min Scan# 1214

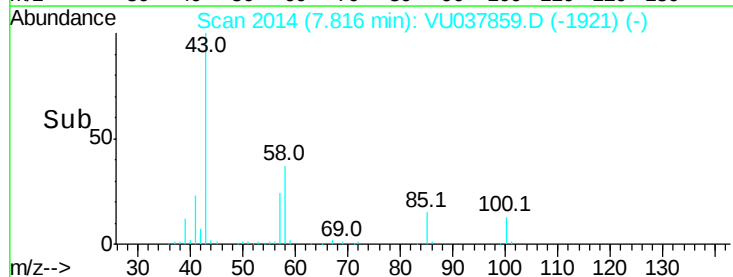
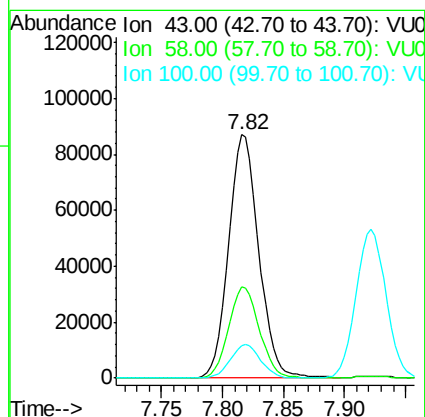
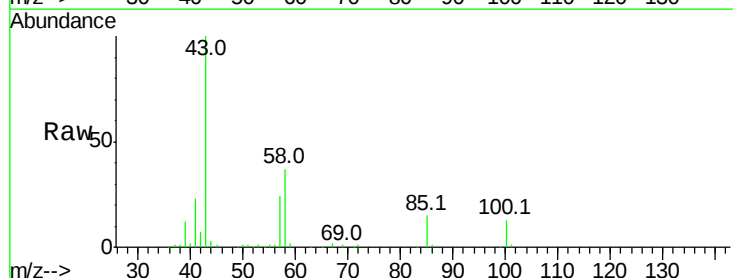
Delta R.T. -0.00 min

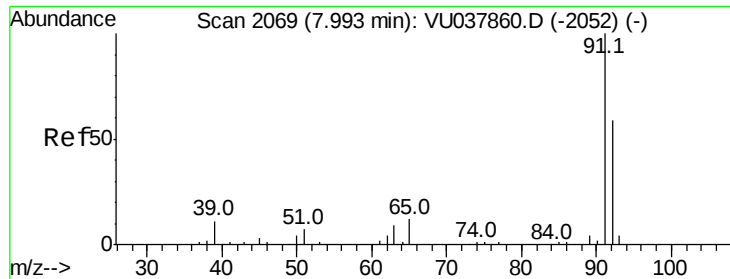
Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Tgt Ion: 43 Resp: 151006

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.2	45.2
100	13.8	10.9	16.3





#42

Toluene

Concen: 9.363 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

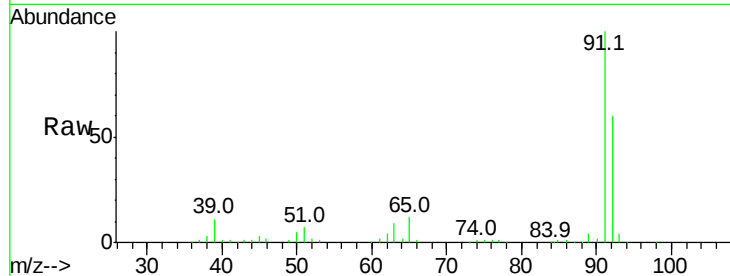
VSTD01034

Tgt Ion: 91 Resp: 168365

Ion Ratio Lower Upper

91 100

92 59.7 41.2 76.6



Abundance Ion 91.00 (90.70 to 91.70): VU037860.D (-2052) (-)

Ion 92.00 (91.70 to 92.70): VU037860.D (-2052) (-)

7.99

100000

80000

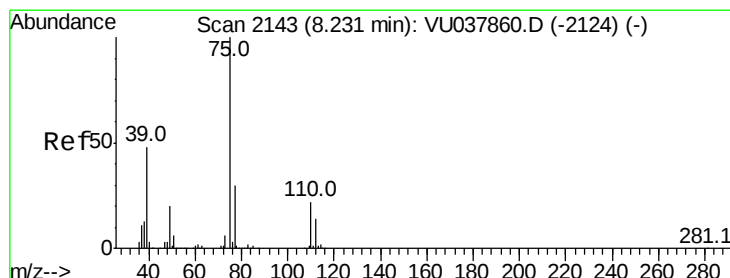
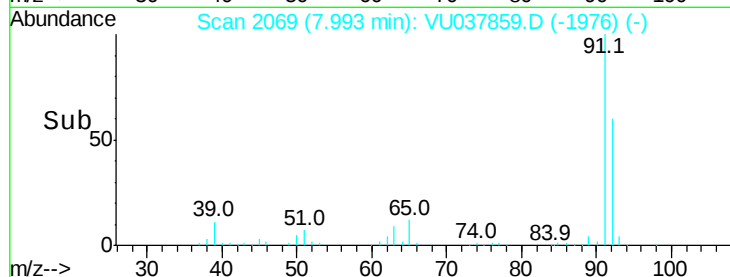
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05



#44

trans-1,3-Dichloropropene

Concen: 9.070 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037859.D

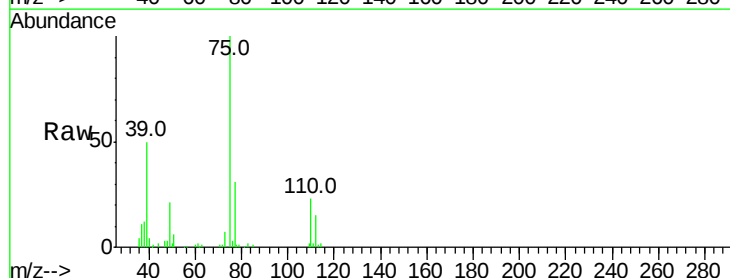
Acq: 23 Apr 2020 12:38

Tgt Ion: 75 Resp: 65861

Ion Ratio Lower Upper

75 100

77 31.5 21.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU037860.D (-2124) (-)

Ion 77.00 (76.70 to 77.70): VU037860.D (-2124) (-)

8.23

40000

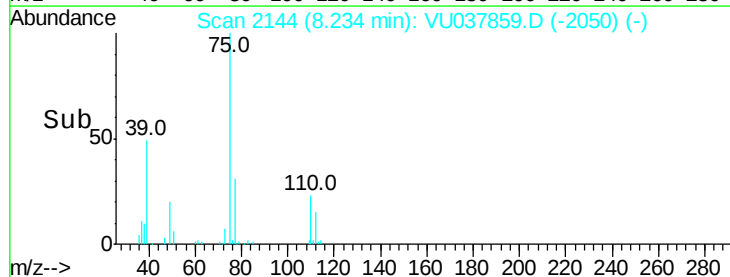
30000

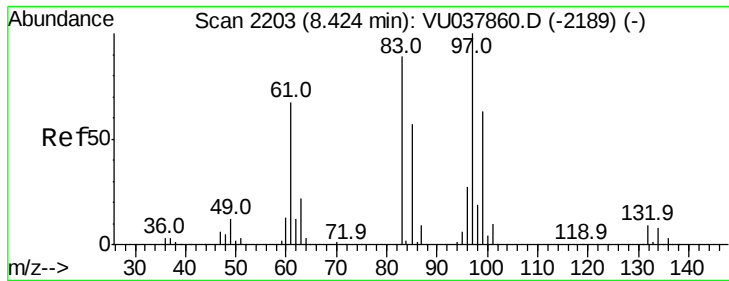
20000

10000

0

Time--> 8.15 8.20 8.25 8.30





#45

1,1,2-Trichloroethane

Concen: 9.146 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

Tgt Ion: 97 Resp: 37903

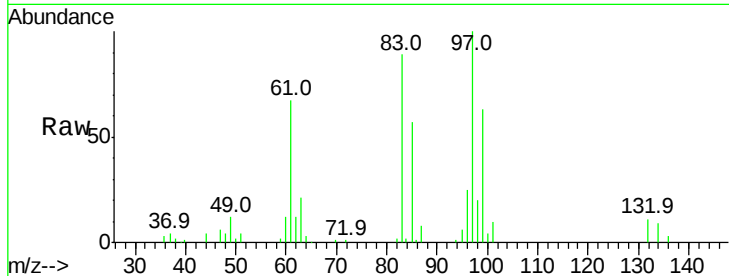
Ion Ratio Lower Upper

97 100

99 63.1 44.0 81.6

83 88.7 62.6 116.2

85 56.7 40.0 74.4

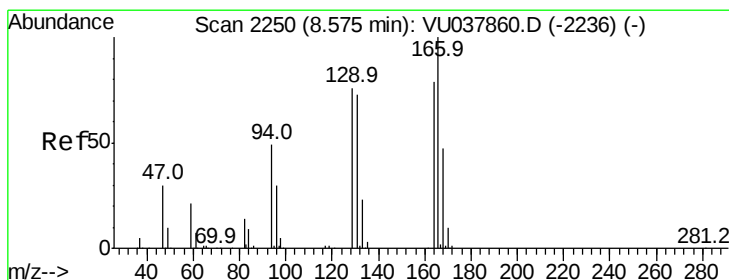
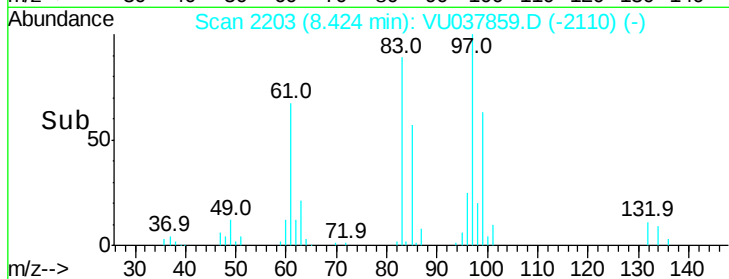
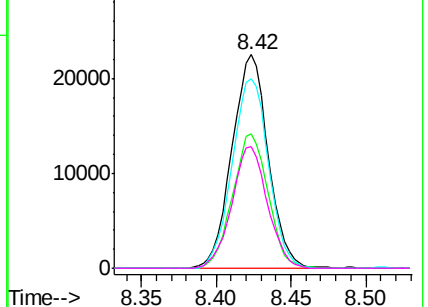


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46

Tetrachloroethene

Concen: 9.396 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Tgt Ion: 164 Resp: 28292

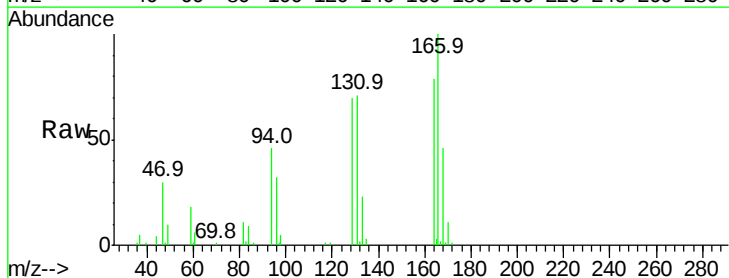
Ion Ratio Lower Upper

164 100

129 88.9 67.3 125.1

131 89.5 64.8 120.4

166 126.3 88.5 164.4

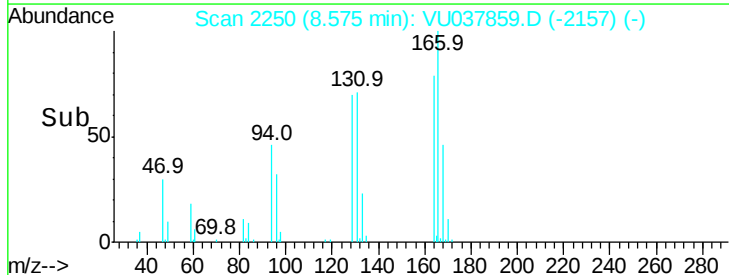
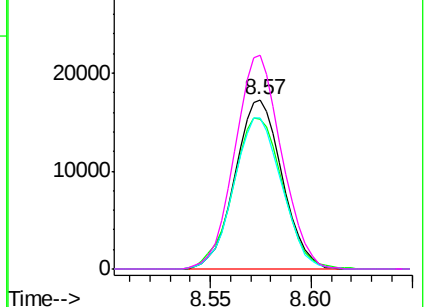


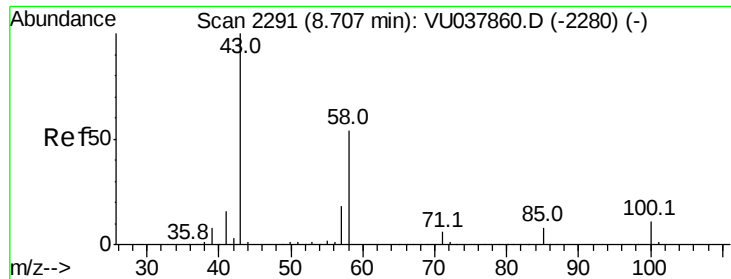
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

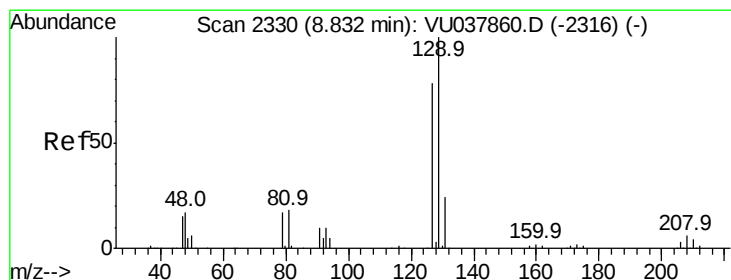
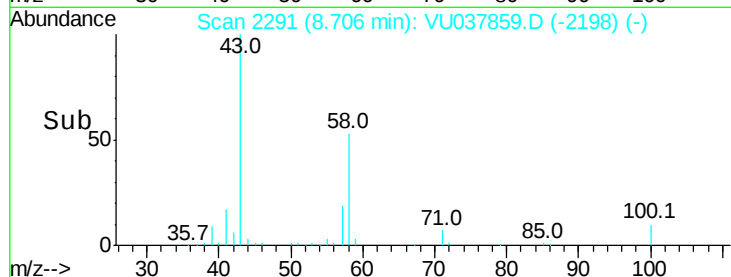
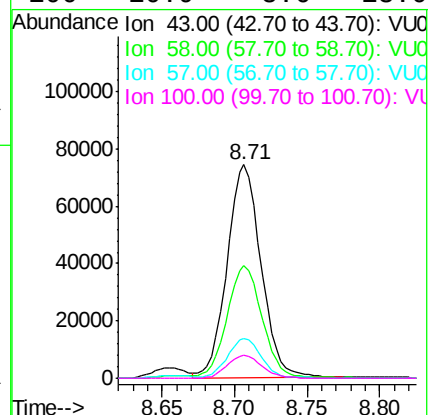
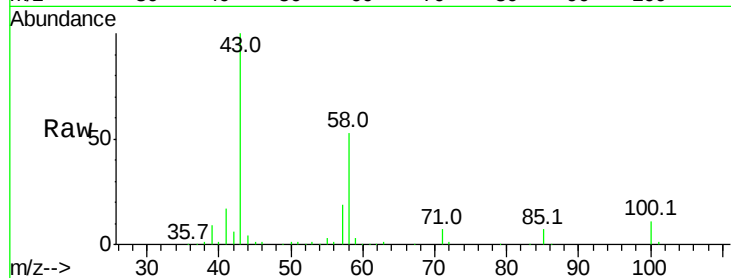




#48
2-Hexanone
Concen: 18.503 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

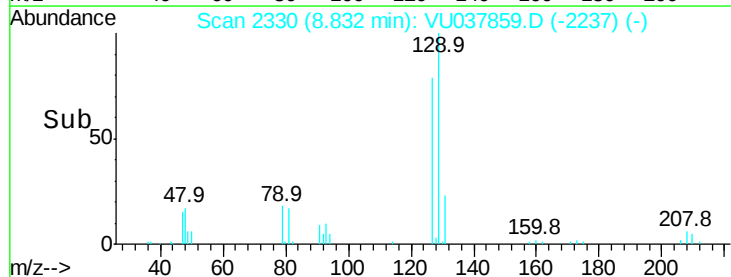
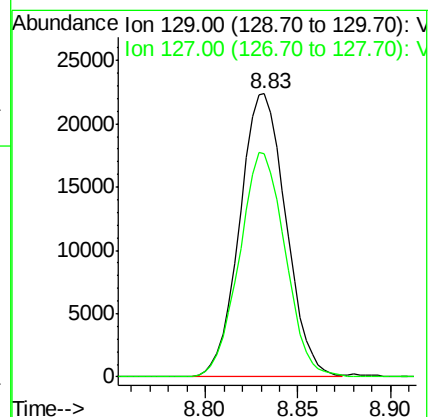
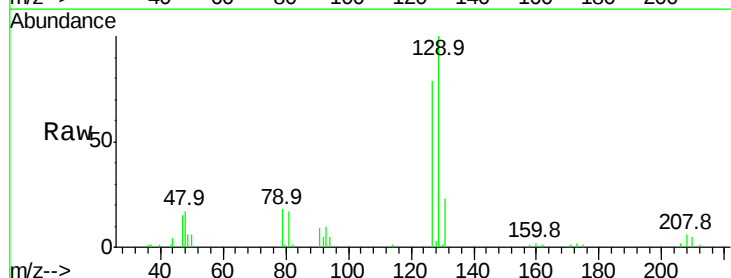
Instrument :
MSVOA_U
ClientSampleId :
VSTD01034

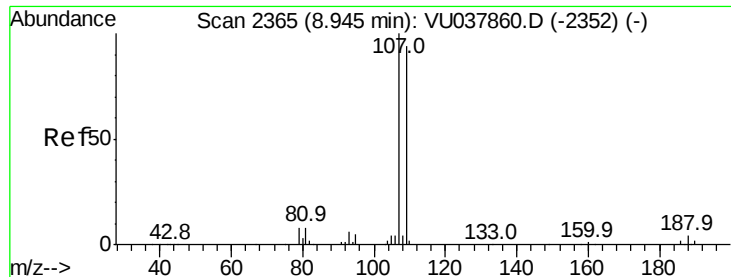
Tgt Ion: 43 Resp: 120097
Ion Ratio Lower Upper
43 100
58 55.3 42.6 63.8
57 18.4 14.6 22.0
100 10.9 8.6 13.0



#49
Dibromochloromethane
Concen: 8.976 ug/L
RT: 8.83 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VU037859.D
Acq: 23 Apr 2020 12:38

Tgt Ion: 129 Resp: 38728
Ion Ratio Lower Upper
129 100
127 78.8 54.7 101.5

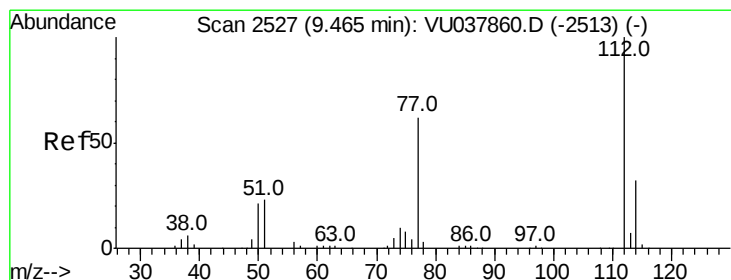
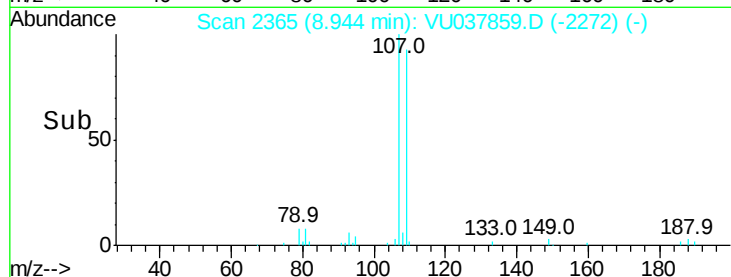
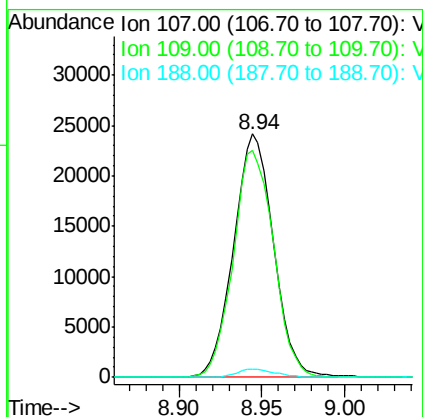
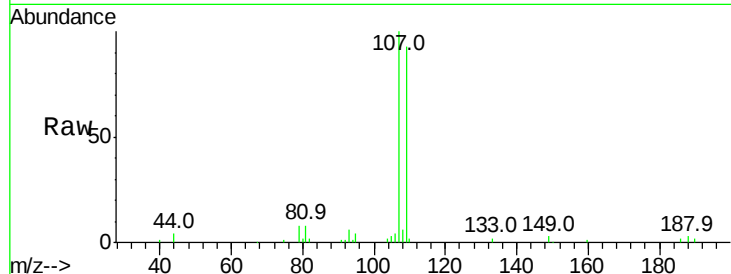




#50
 1,2-Dibromoethane
 Concen: 9.096 ug/L
 RT: 8.94 min Scan# 2365
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

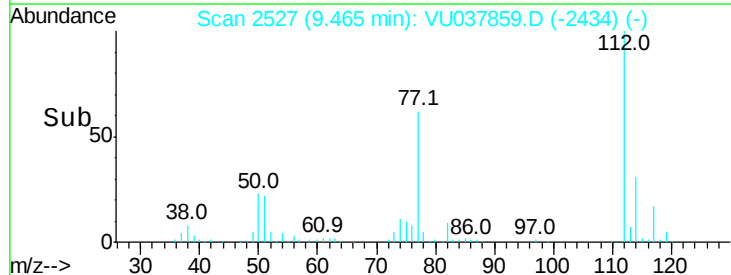
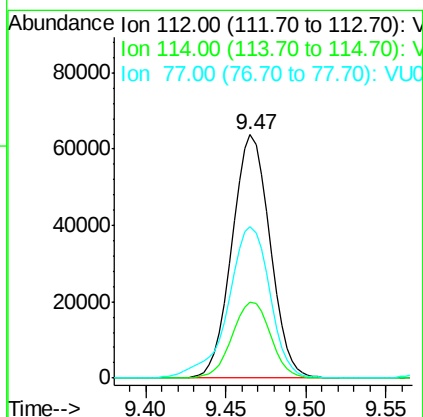
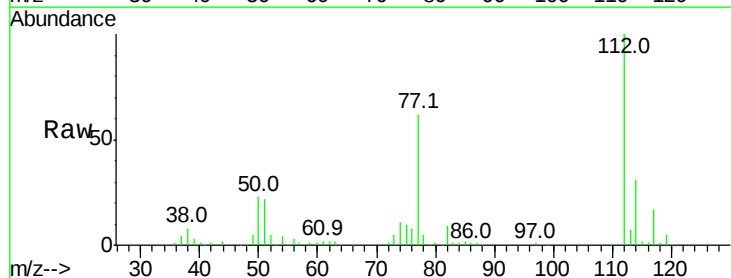
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

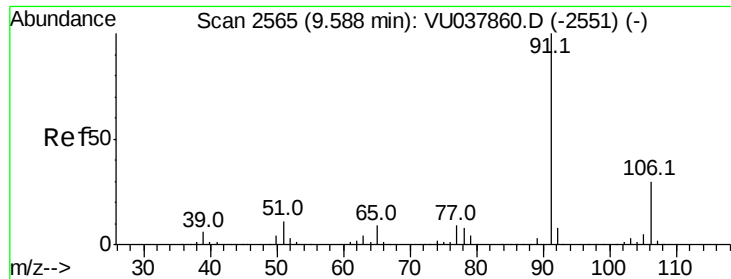
Tgt Ion:107 Resp: 40462
 Ion Ratio Lower Upper
 107 100
 109 93.4 65.7 122.1
 188 3.3 2.9 4.3



#51
 Chlorobenzene
 Concen: 9.211 ug/L
 RT: 9.47 min Scan# 2527
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion:112 Resp: 103429
 Ion Ratio Lower Upper
 112 100
 114 31.1 22.3 41.3
 77 62.0 49.8 74.6





#52

Ethylbenzene

Concen: 9.240 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

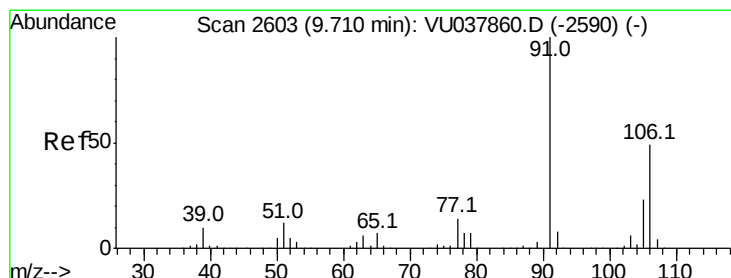
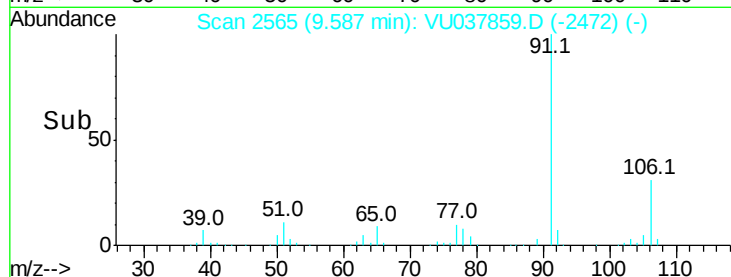
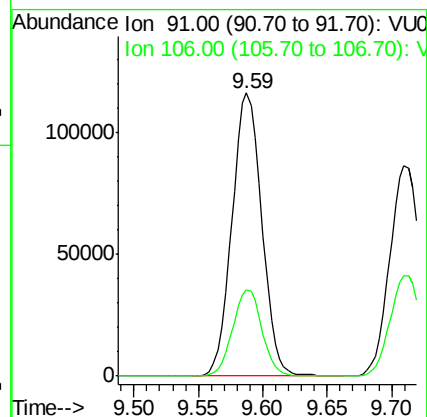
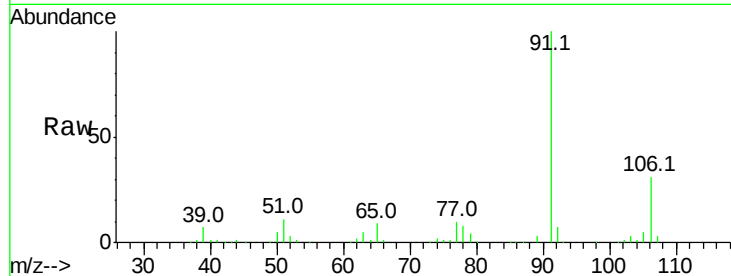
VSTD01034

Tgt Ion: 91 Resp: 186346

Ion Ratio Lower Upper

91 100

106 30.6 21.1 39.1



#53

m,p-Xylene

Concen: 9.128 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037859.D

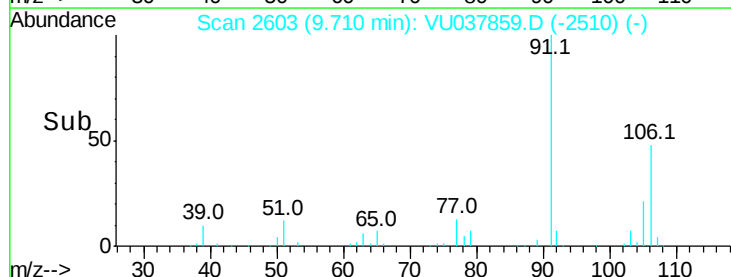
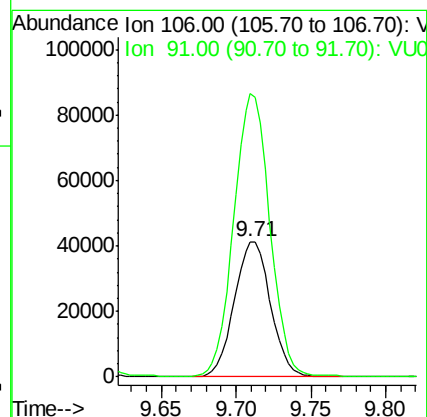
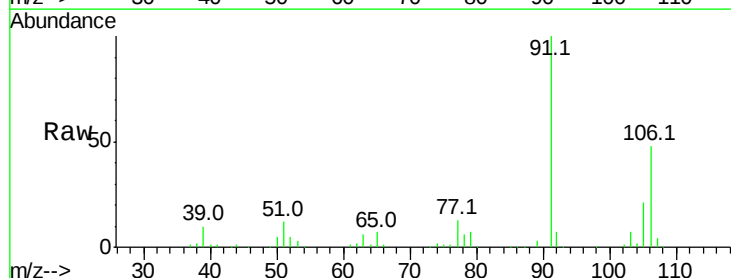
Acq: 23 Apr 2020 12:38

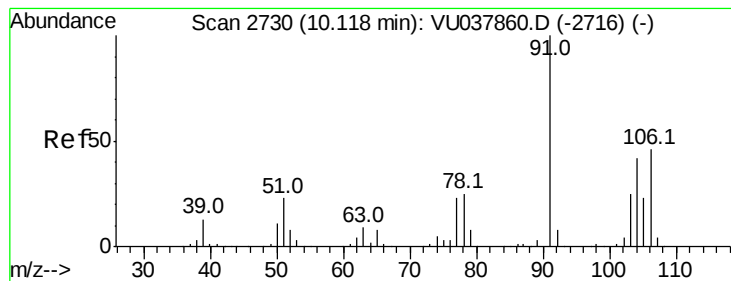
Tgt Ion: 106 Resp: 69807

Ion Ratio Lower Upper

106 100

91 208.9 142.8 265.2





#54

o-xylene

Concen: 9.170 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

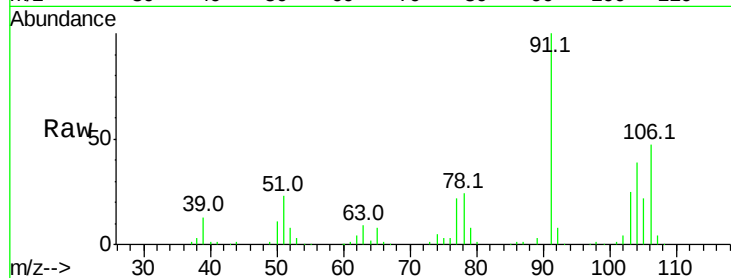
VSTD01034

Tgt Ion:106 Resp: 68146

Ion Ratio Lower Upper

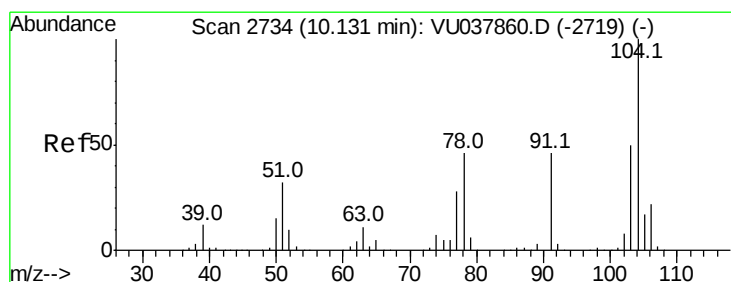
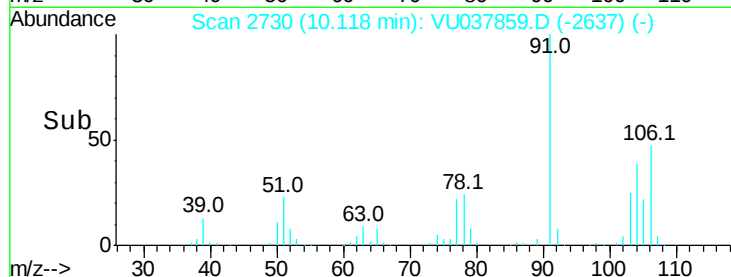
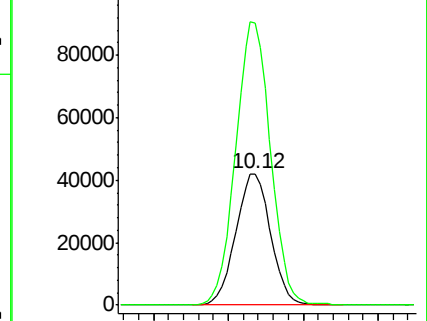
106 100

91 214.2 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 8.849 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037859.D

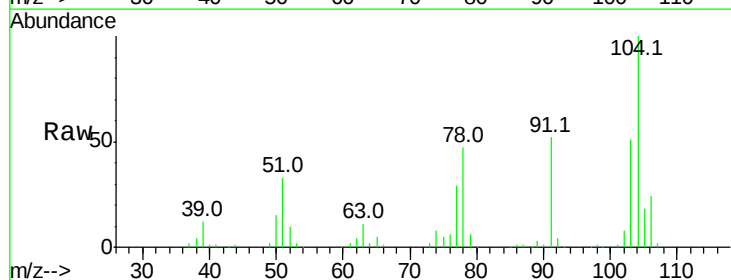
Acq: 23 Apr 2020 12:38

Tgt Ion:104 Resp: 113976

Ion Ratio Lower Upper

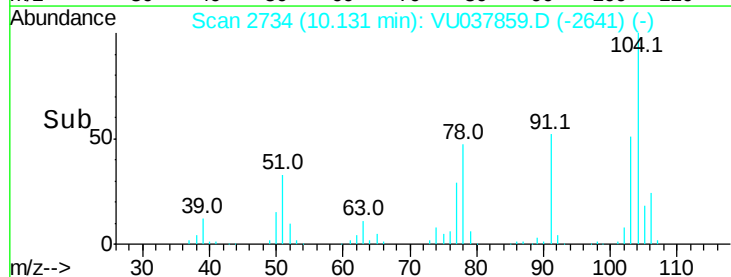
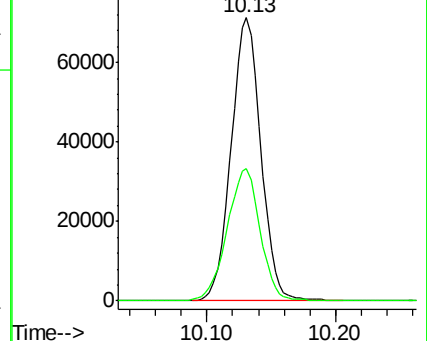
104 100

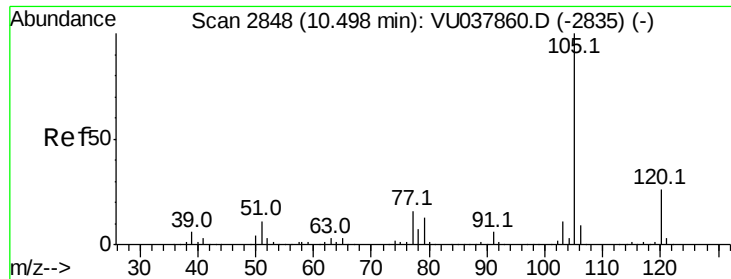
78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 9.055 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

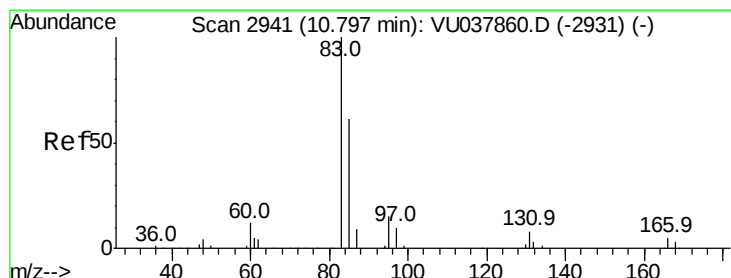
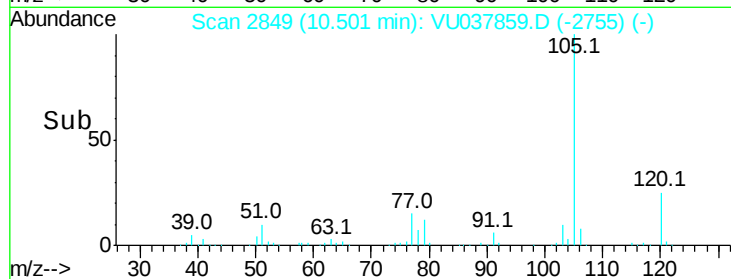
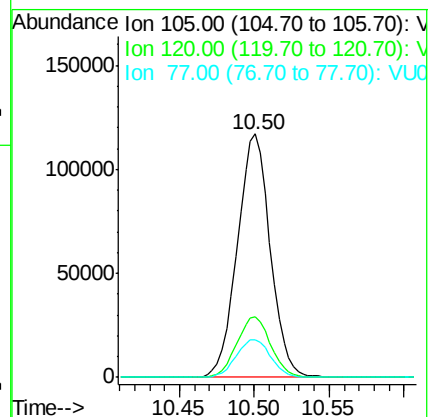
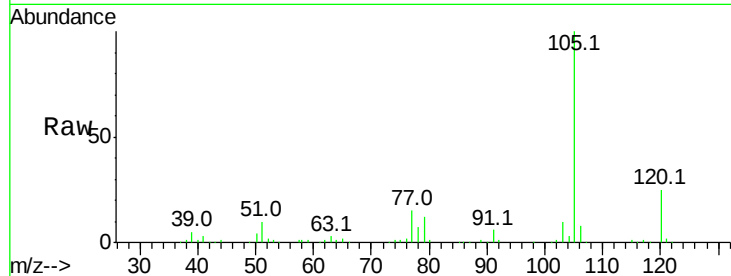
Tgt Ion:105 Resp: 178796

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

77 16.4 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 9.259 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

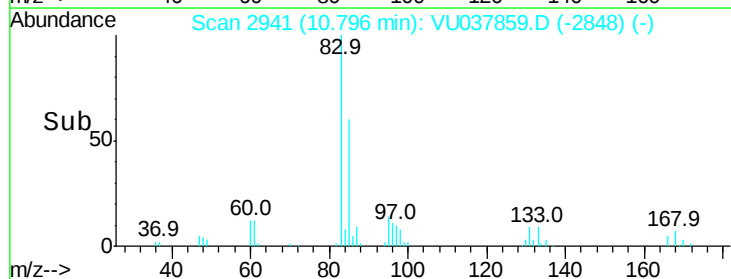
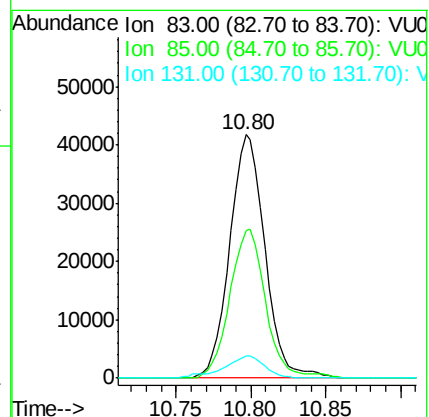
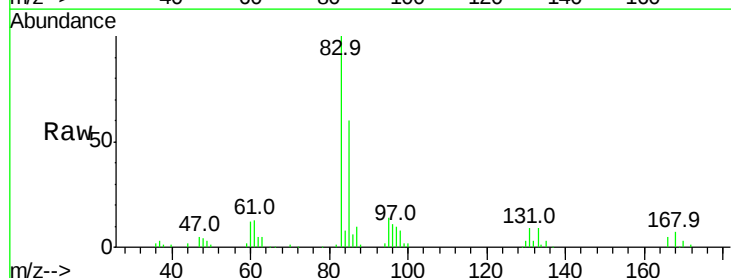
Tgt Ion: 83 Resp: 68372

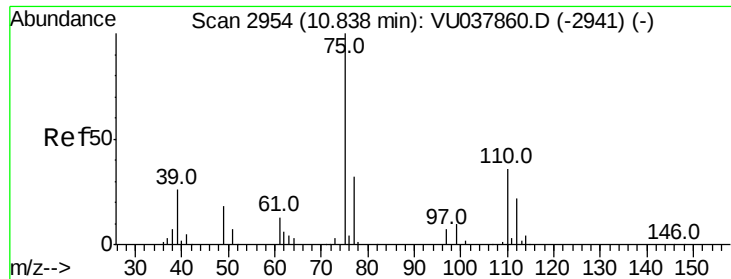
Ion Ratio Lower Upper

83 100

85 60.4 43.8 81.4

131 8.9 7.2 10.8

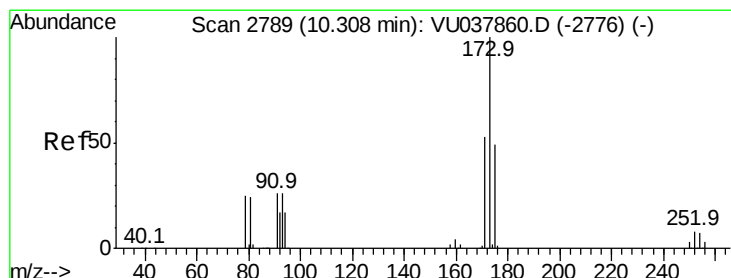
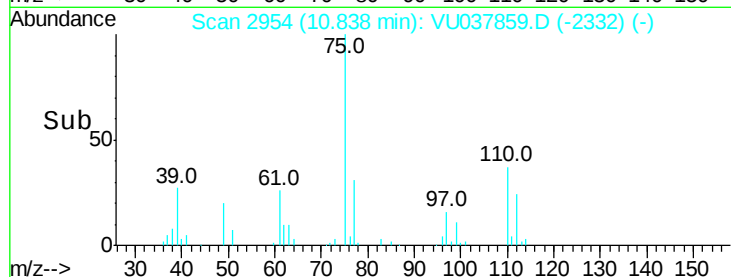
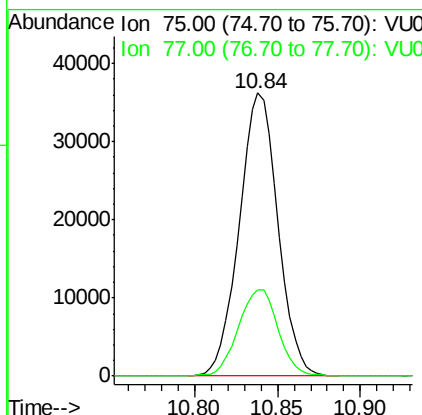
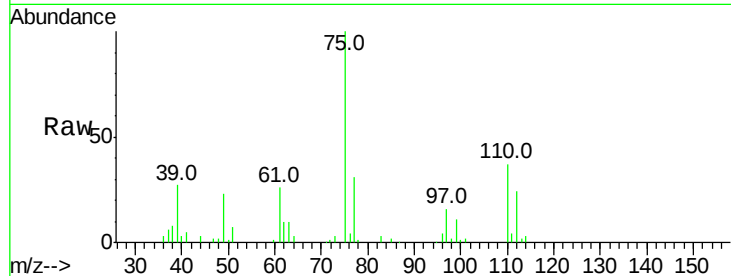




#59
 1,2,3-Trichloropropane
 Concen: 9.173 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

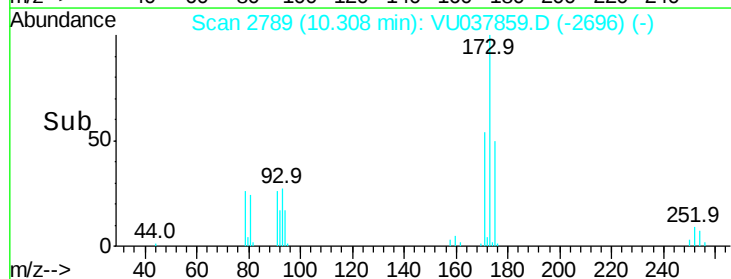
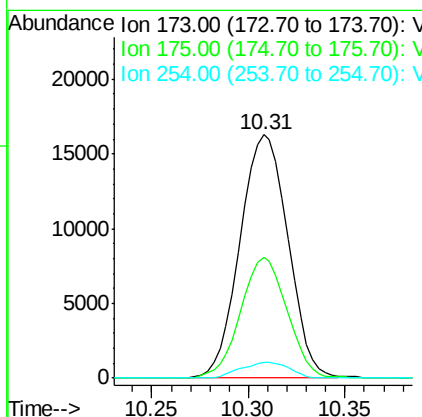
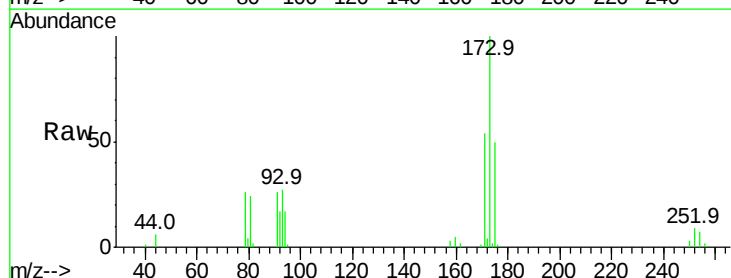
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

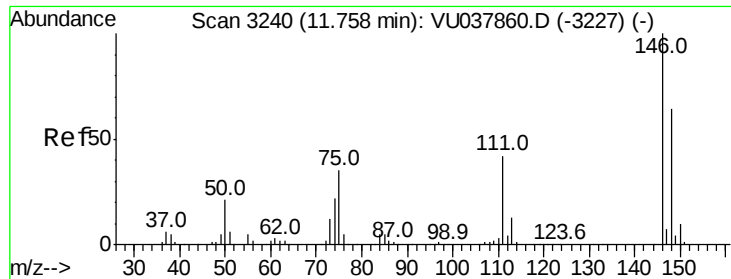
Tgt Ion: 75 Resp: 58634
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6



#61
 Bromoform
 Concen: 8.752 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion: 173 Resp: 28142
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.8 58.2
 254 6.6 5.8 8.8

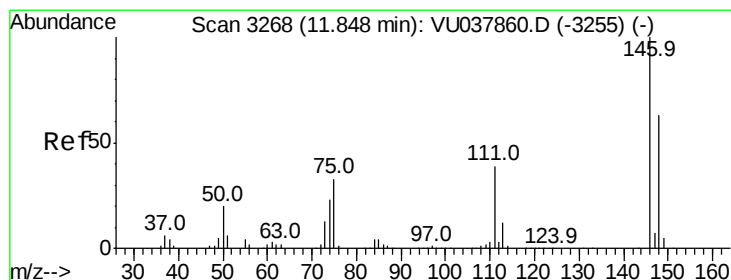
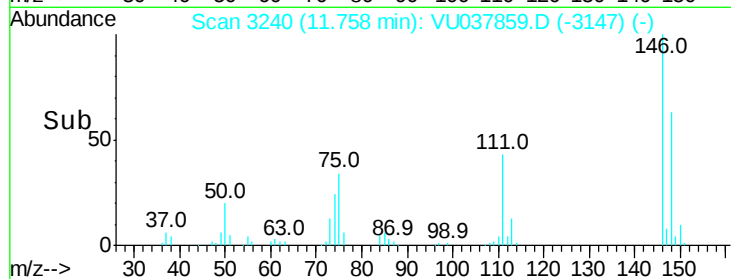
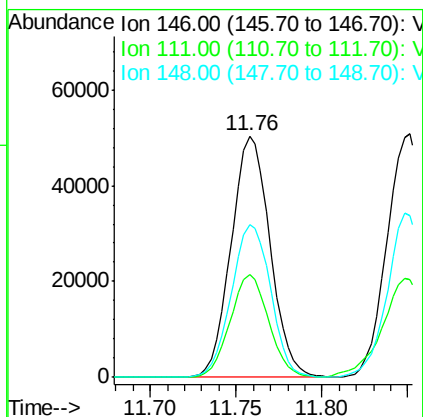
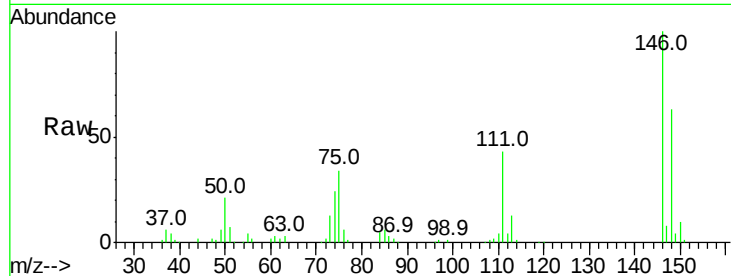




#62
 1,3-Dichlorobenzene
 Concen: 9.129 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

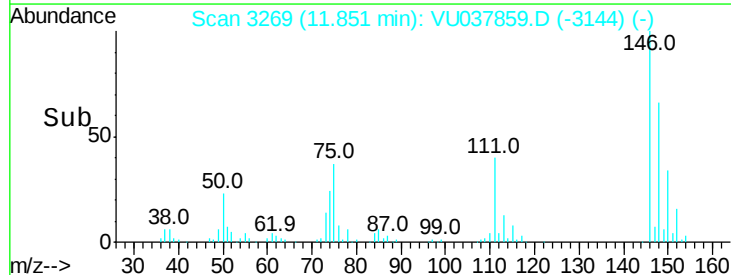
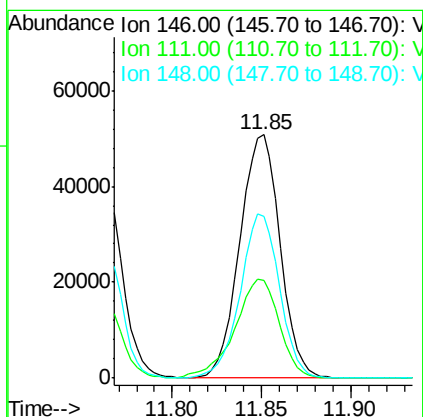
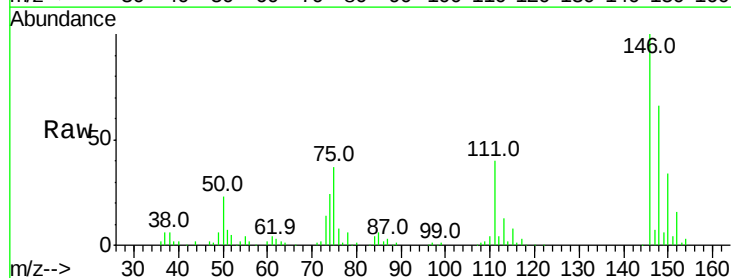
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

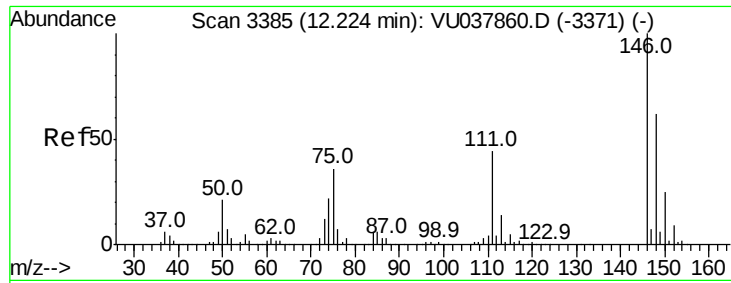
Tgt Ion:146 Resp: 79282
 Ion Ratio Lower Upper
 146 100
 111 42.6 29.0 53.9
 148 63.0 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 9.136 ug/L
 RT: 11.85 min Scan# 3269
 Delta R.T. 0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion:146 Resp: 80107
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.2 50.4
 148 66.3 43.9 81.5

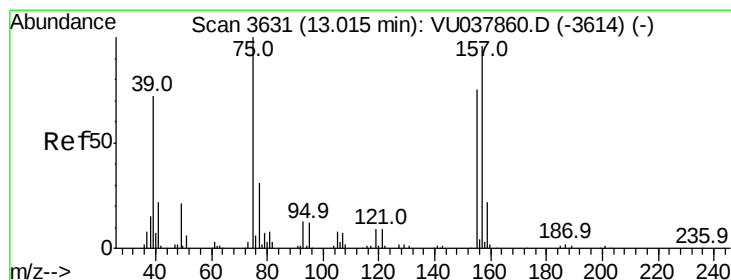
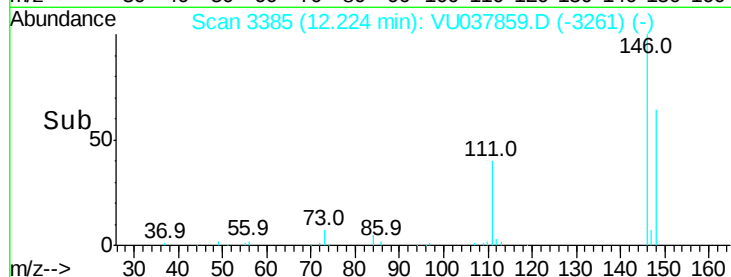
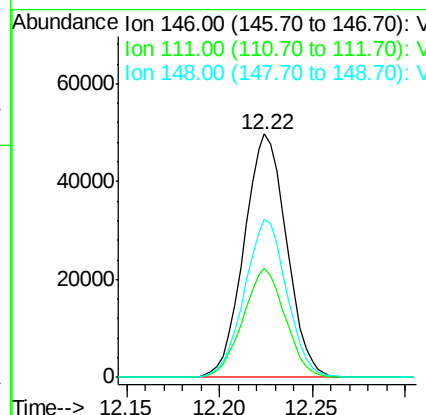
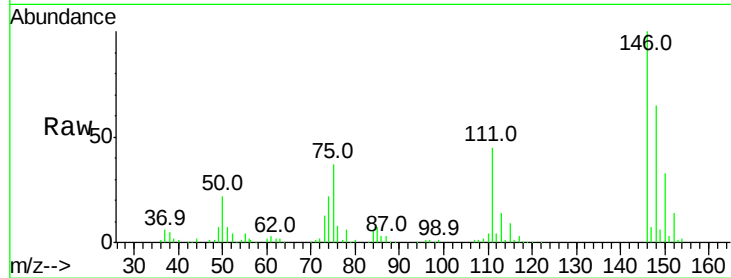




#65
 1,2-Dichlorobenzene
 Concen: 9.224 ug/L
 RT: 12.22 min Scan# 3385
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

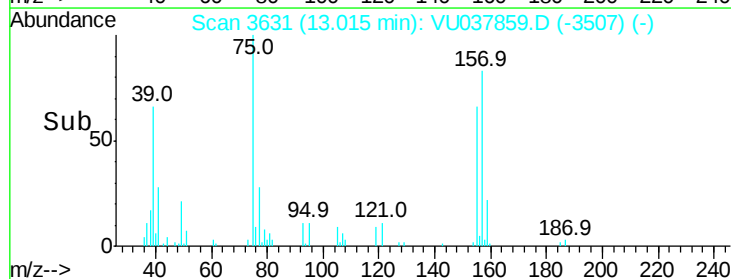
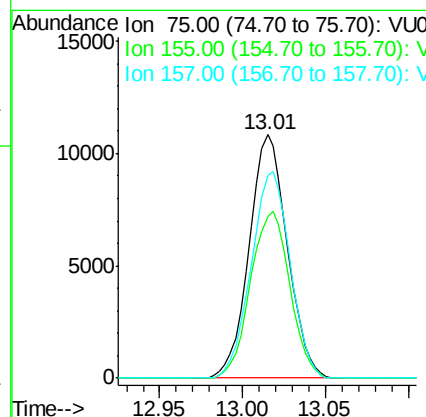
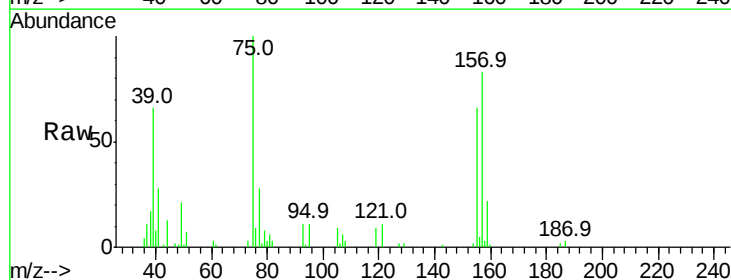
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

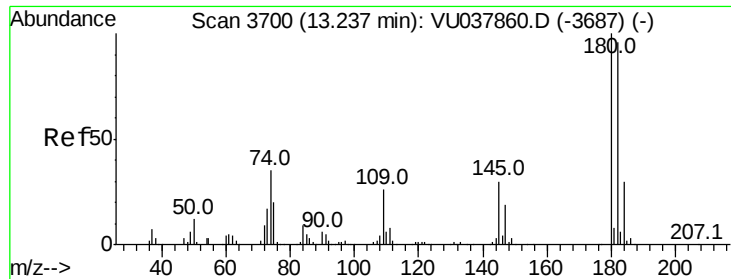
Tgt Ion: 146 Resp: 79028
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.4 53.2
 148 64.7 49.8 74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 9.247 ug/L
 RT: 13.01 min Scan# 3631
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion: 75 Resp: 17314
 Ion Ratio Lower Upper
 75 100
 155 66.2 59.6 89.4
 157 83.3 77.2 115.8

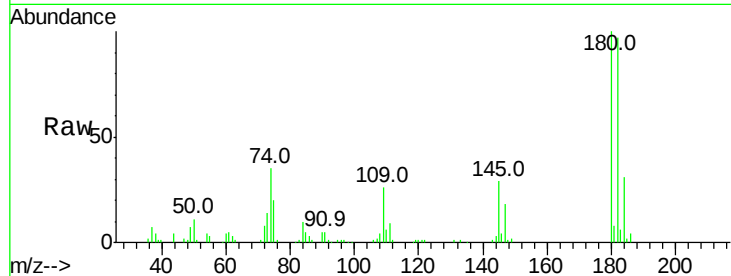




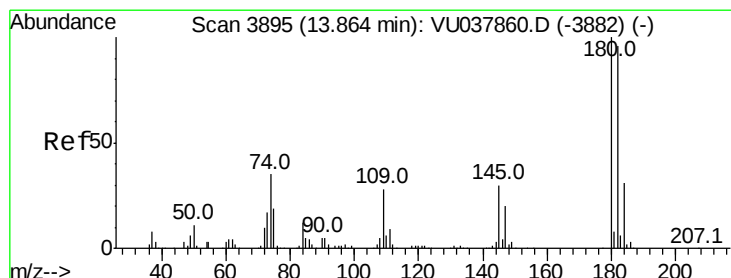
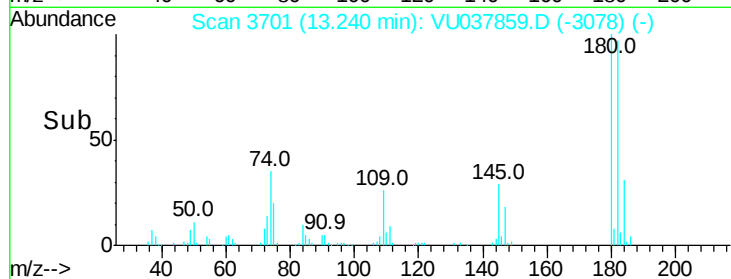
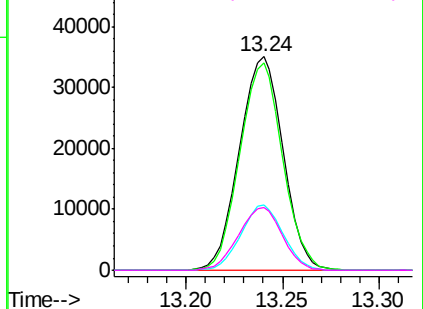
#67
 1,3,5-Trichlorobenzene
 Concen: 8.747 ug/L
 RT: 13.24 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01034

Tgt Ion:180 Resp: 55144
 Ion Ratio Lower Upper
 180 100
 182 95.2 76.5 114.7
 184 29.6 24.2 36.4
 145 29.4 24.2 36.4

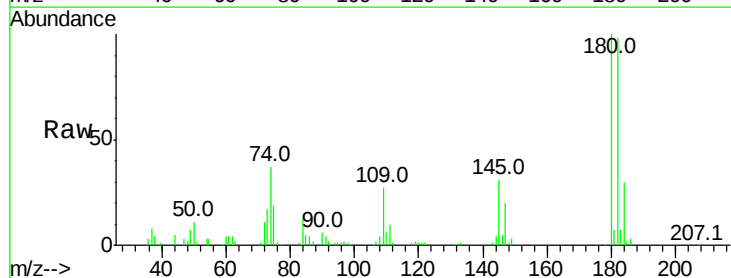


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

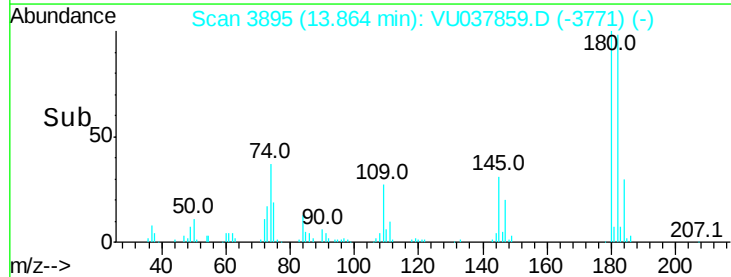
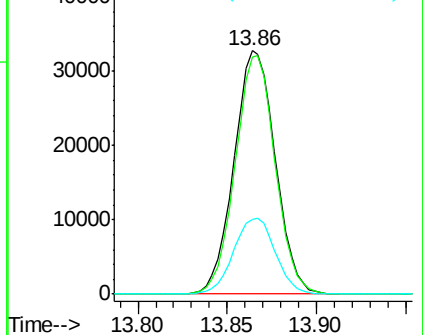


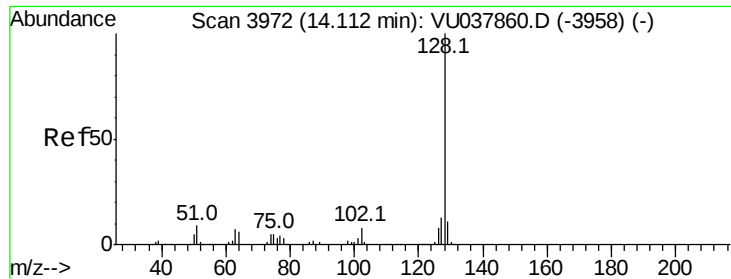
#68
 1,2,4-trichlorobenzene
 Concen: 8.828 ug/L
 RT: 13.86 min Scan# 3895
 Delta R.T. -0.00 min
 Lab File: VU037859.D
 Acq: 23 Apr 2020 12:38

Tgt Ion:180 Resp: 52943
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.9 115.3
 145 31.6 23.8 35.8



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





#69

Naphthalene

Concen: 8.976 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

Instrument :

MSVOA_U

ClientSampleId :

VSTD01034

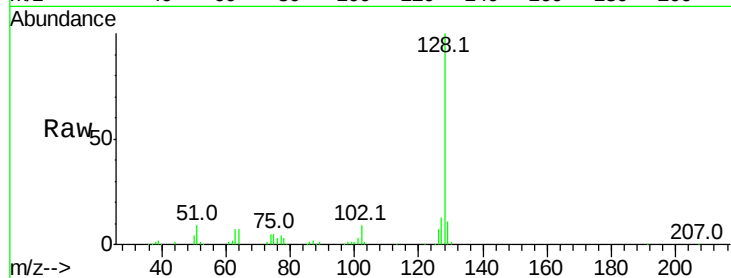
Tgt Ion:128 Resp: 189619

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

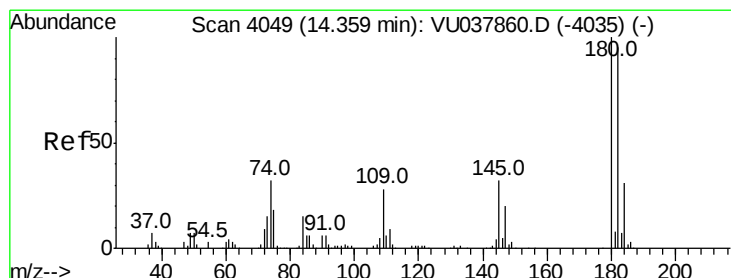
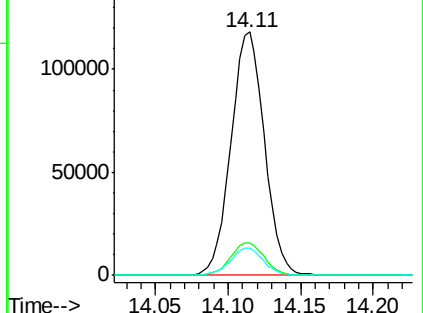
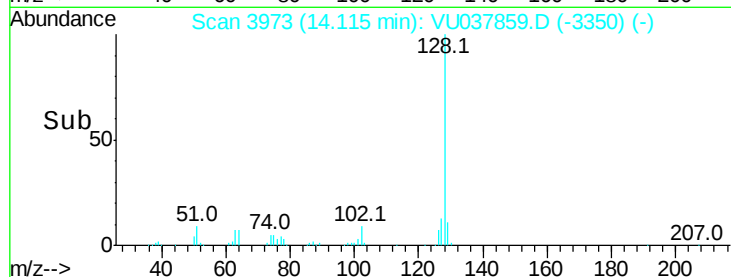
129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 8.816 ug/L

RT: 14.36 min Scan# 4049

Delta R.T. -0.00 min

Lab File: VU037859.D

Acq: 23 Apr 2020 12:38

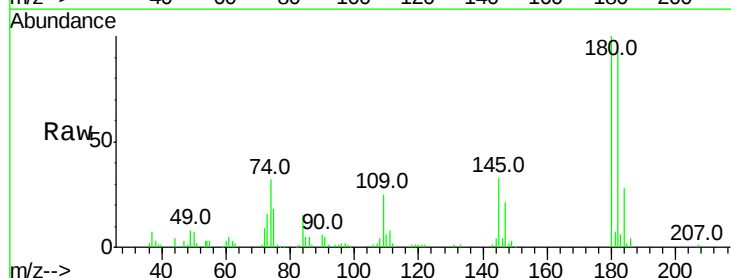
Tgt Ion:180 Resp: 52612

Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

145 33.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

