

Data File : VU037863.D
Acq On : 23 Apr 2020 16:07
Operator : JC/MD
Sample : VSTD005
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Quant Time: Apr 23 16:25:51 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	561295	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	537676	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	263207	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	23419	4.67	ug/L	0.00
7) Chloroethane-d5	1.93	69	18703	4.57	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.59	63	38066	4.49	ug/L	0.00
21) 2-Butanone-d5	4.67	46	39193	9.57	ug/L	0.00
24) Chloroform-d	5.10	84	35968	4.44	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.74	65	26184	4.69	ug/L	0.00
32) Benzene-d6	5.76	84	75985	4.56	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.72	67	25204	4.50	ug/L	0.00
41) Toluene-d8	7.92	98	68720	4.51	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.20	79	13127	4.63	ug/L	0.00
47) 2-Hexanone-d5	8.65	63	26363	9.00	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.77	84	34550	4.48	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.20	152	27069	4.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.40	85	22424	4.531 ug/L	98
3) Chloromethane	1.54	50	25381	5.141 ug/L	99
5) Vinyl chloride	1.62	62	26891	4.652 ug/L	98
6) Bromomethane	1.87	94	10477	4.691 ug/L	96
8) Chloroethane	1.95	64	14752	4.346 ug/L	98
9) Trichlorofluoromethane	2.16	101	28975	4.532 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	17131	4.602 ug/L	95
12) 1,1-Dichloroethene	2.61	96	15946	4.345 ug/L	95
13) Acetone	2.65	43	23850	8.755 ug/L	99
14) Carbon disulfide	2.82	76	64933	5.305 ug/L	98
15) Methyl Acetate	2.98	43	28458	4.688 ug/L	97
16) Methylene chloride	3.08	84	19412	4.406 ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	19581	4.834 ug/L	97
18) Methyl tert-butyl Ether	3.40	73	63631	4.413 ug/L	99
19) 1,1-Dichloroethane	3.91	63	37185	4.421 ug/L	97
20) cis-1,2-Dichloroethene	4.71	96	19982	4.414 ug/L	95
22) 2-Butanone	4.75	43	41674	9.310 ug/L	97
23) Bromochloromethane	5.02	128	9485	4.363 ug/L	91
25) Chloroform	5.13	83	34417	4.371 ug/L	97
27) 1,2-Dichloroethane	5.83	62	30495	4.492 ug/L	98
29) Cyclohexane	5.42	56	37301	4.617 ug/L	97
30) 1,1,1-Trichloroethane	5.35	97	28501	4.326 ug/L	98
31) Carbon tetrachloride	5.56	117	23238	4.384 ug/L	99
33) Benzene	5.81	78	80649	4.576 ug/L	100
34) Trichloroethene	6.57	95	19567	4.498 ug/L	95
35) Methylcyclohexane	6.79	83	34216	4.505 ug/L	98
37) 1,2-Dichloropropane	6.82	63	21379	4.295 ug/L	100
38) Bromodichloromethane	7.13	83	25383	4.237 ug/L	100
39) cis-1,3-Dichloropropene	7.63	75	34314	4.376 ug/L	93
40) 4-Methyl-2-pentanone	7.82	43	76649	9.026 ug/L	100

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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)
42) Toluene	7.99	91	83294	4.463	ug/L	97
44) trans-1,3-Dichloropropene	8.23	75	33081	4.390	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	18990	4.415	ug/L	96
46) Tetrachloroethene	8.57	164	14866	4.757	ug/L	91
48) 2-Hexanone	8.71	43	61863	9.183	ug/L	96
49) Dibromochloromethane	8.83	129	19356	4.322	ug/L	98
50) 1,2-Dibromoethane	8.94	107	20786	4.502	ug/L #	96
51) Chlorobenzene	9.47	112	53235	4.568	ug/L	100
52) Ethylbenzene	9.59	91	90547	4.326	ug/L	100
53) m,p-Xylene	9.71	106	34724	4.375	ug/L	97
54) o-xylene	10.11	106	33682	4.367	ug/L	99
55) Styrene	10.13	104	57241	4.282	ug/L	100
56) Isopropylbenzene	10.50	105	90498	4.416	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.80	83	32269	4.210	ug/L	95
59) 1,2,3-Trichloropropane	10.84	75	29572	4.457	ug/L	99
61) Bromoform	10.31	173	13378	4.059	ug/L	99
62) 1,3-Dichlorobenzene	11.76	146	43262	4.859	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	43647	4.856	ug/L	98
65) 1,2-Dichlorobenzene	12.22	146	39733	4.524	ug/L	96
66) 1,2-Dibromo-3-chloropropan	13.01	75	9118	4.750	ug/L	95
67) 1,3,5-Trichlorobenzene	13.24	180	31261	4.837	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	31961	5.199	ug/L	98
69) Naphthalene	14.11	128	125137	5.779	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	32003	5.231	ug/L	100

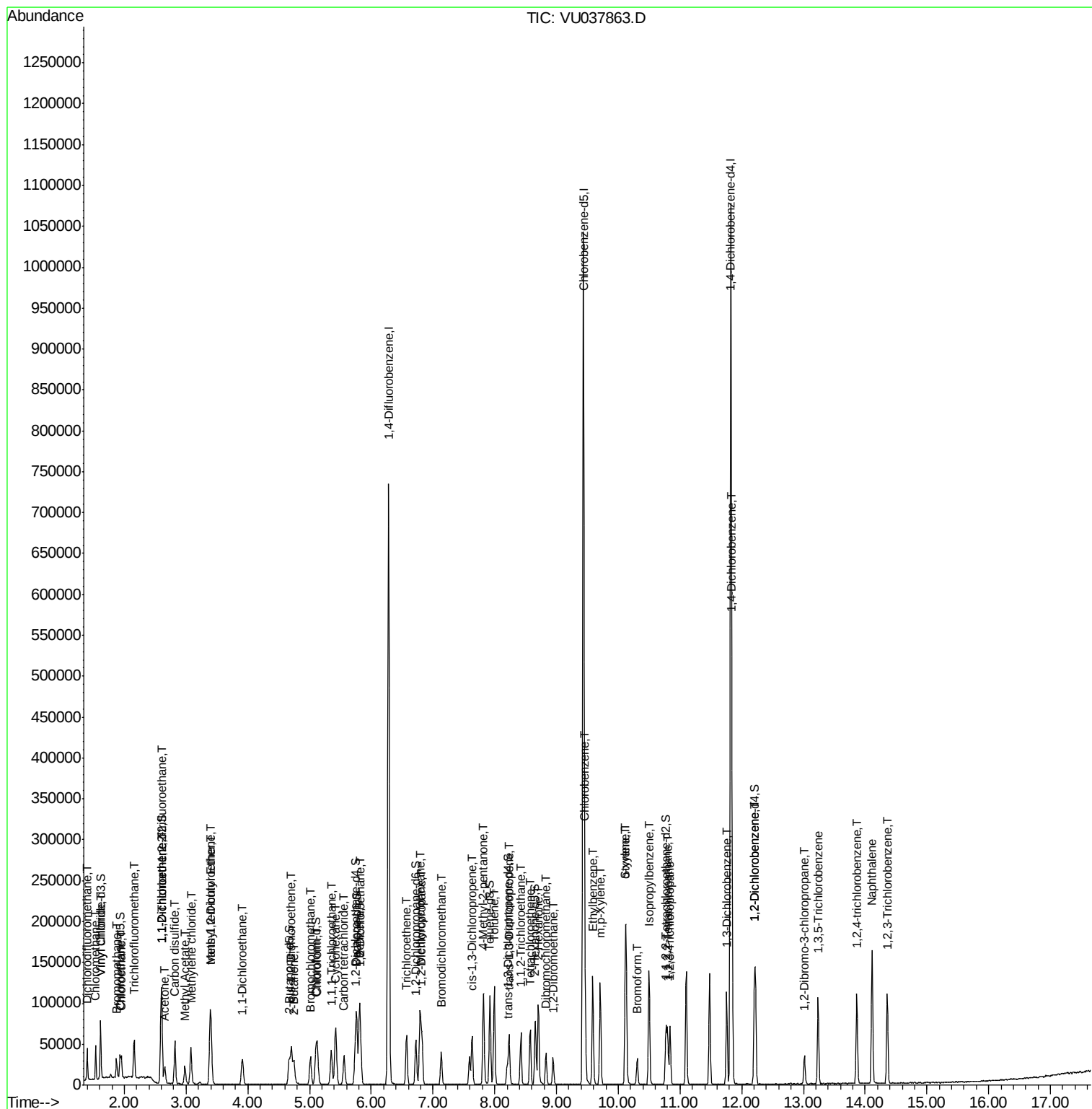
(#) = qualifier out of range (m) = manual integration (+) = signals summed

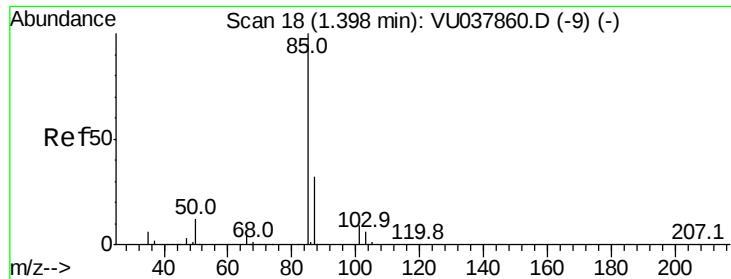
Data File : VU037863.D

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Acq On       : 23 Apr 2020   16:07
Operator    : JC/MD
Sample      : VSTD005
Misc       : 5.0mL/MSVOA_U/WATER
ALS Vial    : 1      Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
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#2

Dichlorodifluoromethane

Concen: 4.531 ug/L

RT: 1.40 min Scan# 18

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

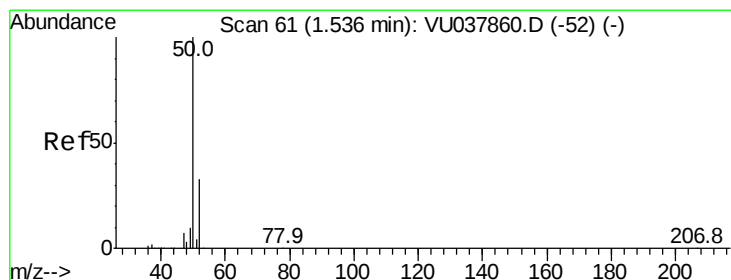
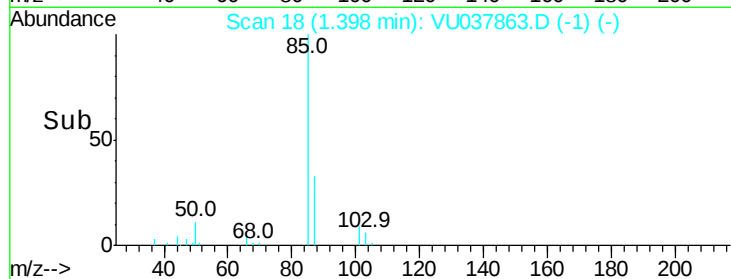
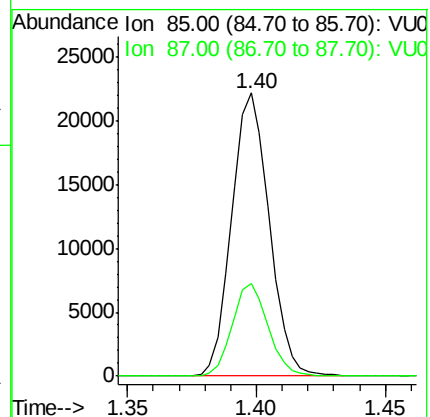
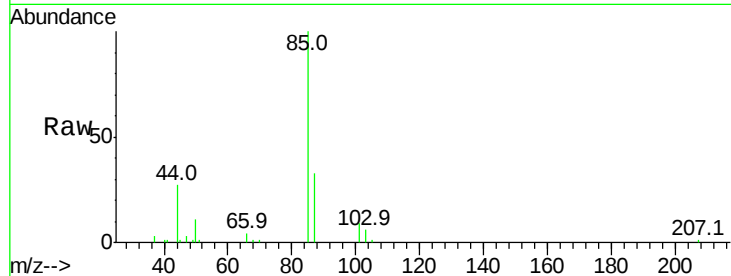
VSTD00533

Tgt Ion: 85 Resp: 22424

Ion Ratio Lower Upper

85 100

87 31.1 25.8 38.6



#3

Chloromethane

Concen: 5.141 ug/L

RT: 1.54 min Scan# 61

Delta R.T. -0.00 min

Lab File: VU037863.D

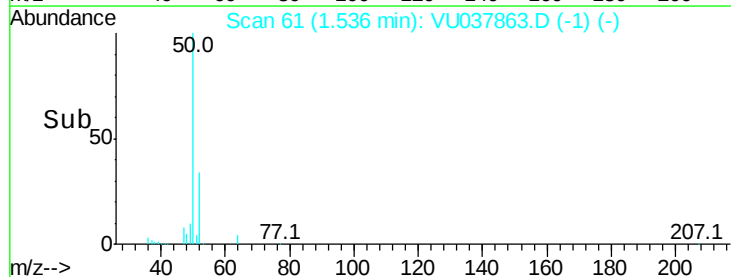
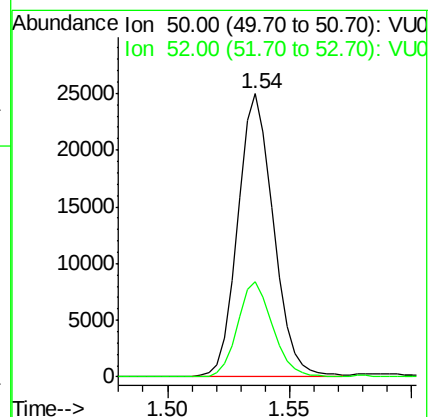
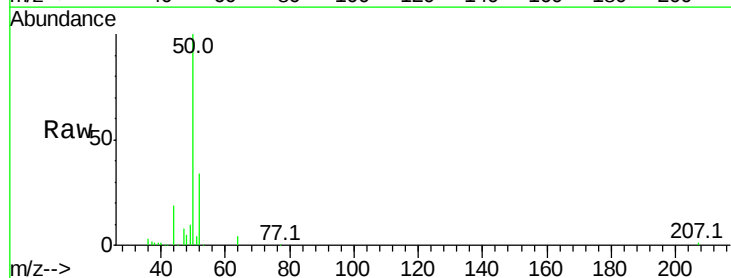
Acq: 23 Apr 2020 16:07

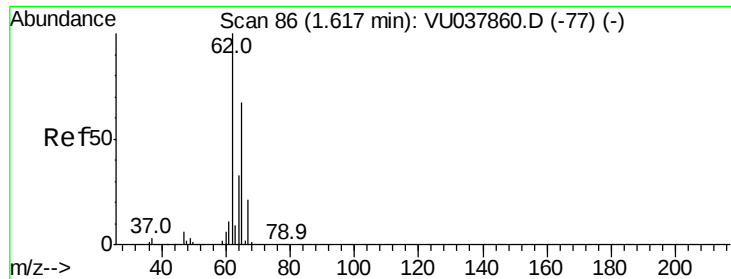
Tgt Ion: 50 Resp: 25381

Ion Ratio Lower Upper

50 100

52 33.6 23.1 42.9





#5

Vinyl chloride

Concen: 4.652 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

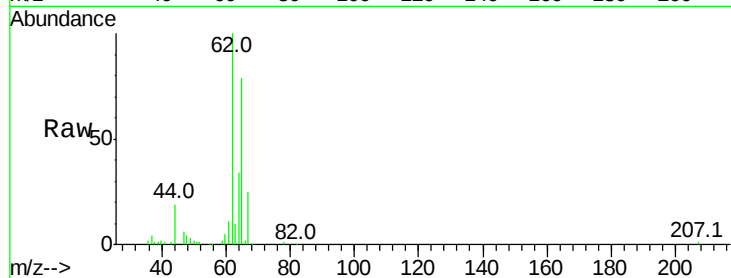
VSTD00533

Tgt Ion: 62 Resp: 26891

Ion Ratio Lower Upper

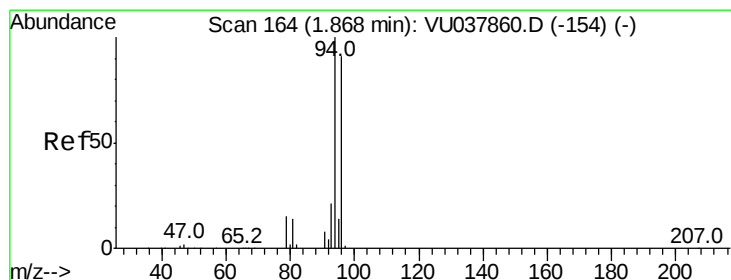
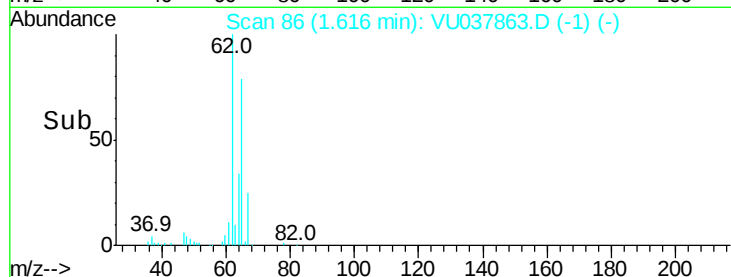
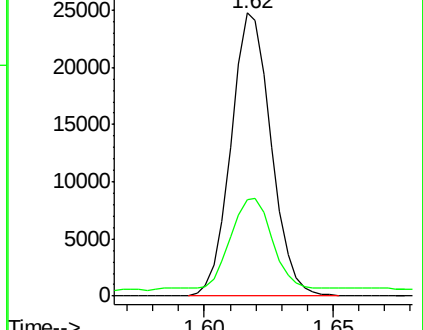
62 100

64 34.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VU037863.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU037863.D (-1) (-)



#6

Bromomethane

Concen: 4.691 ug/L

RT: 1.87 min Scan# 166

Delta R.T. 0.01 min

Lab File: VU037863.D

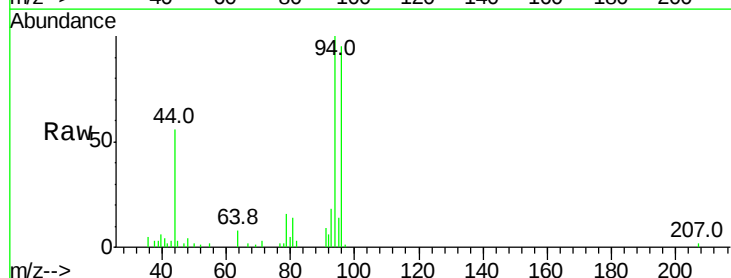
Acq: 23 Apr 2020 16:07

Tgt Ion: 94 Resp: 10477

Ion Ratio Lower Upper

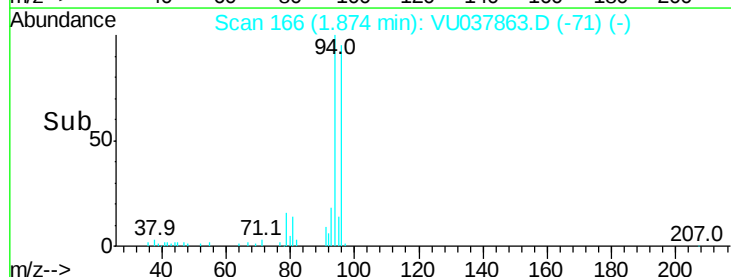
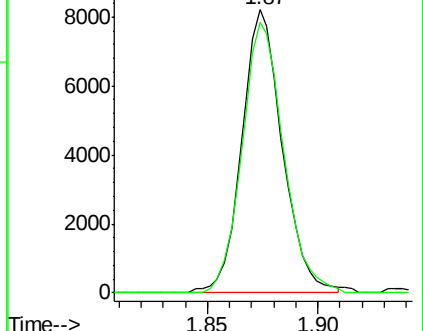
94 100

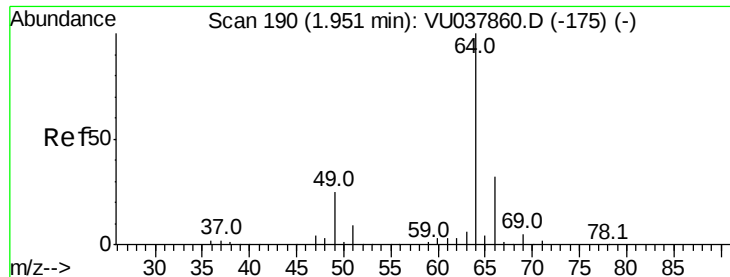
96 95.4 63.9 118.7



Abundance Ion 94.00 (93.70 to 94.70): VU037863.D (-71) (-)

Ion 96.00 (95.70 to 96.70): VU037863.D (-71) (-)

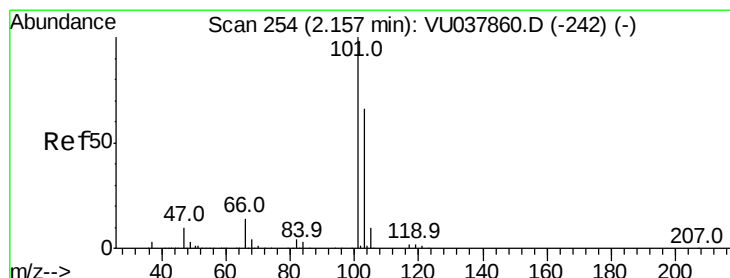
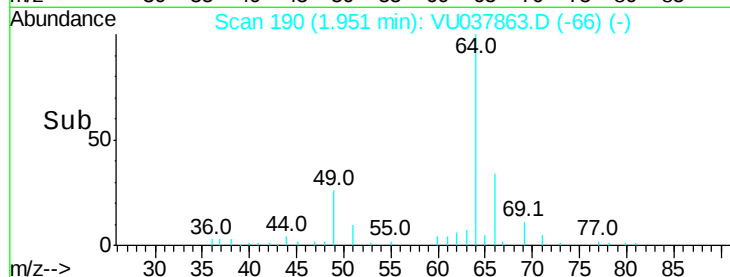
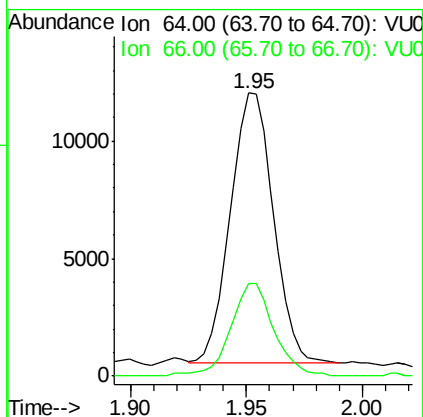
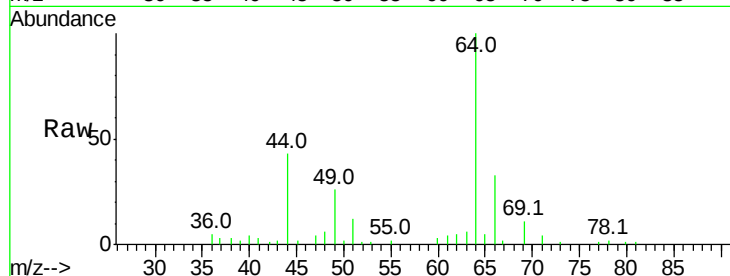




#8
Chloroethane
Concen: 4.346 ug/L
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU037863.D
Acq: 23 Apr 2020 16:07

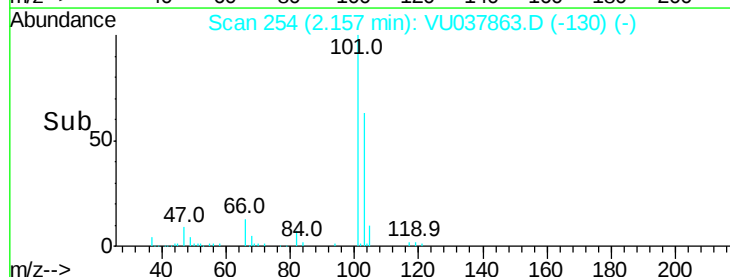
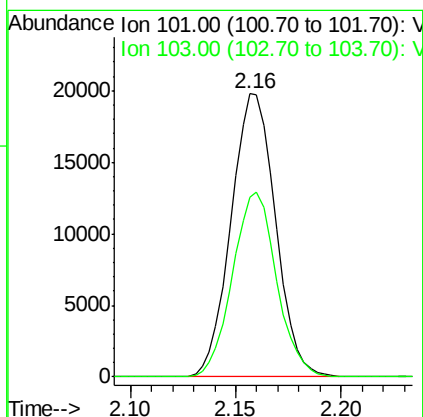
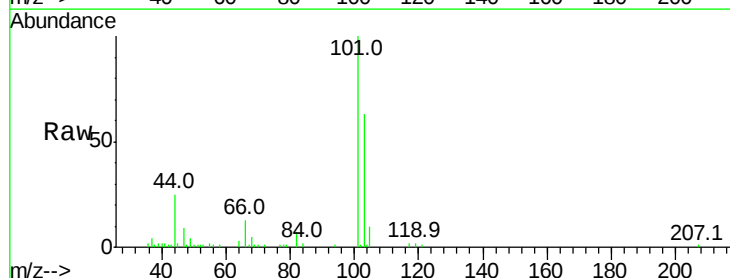
Instrument :
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ClientSampleId :
VSTD00533

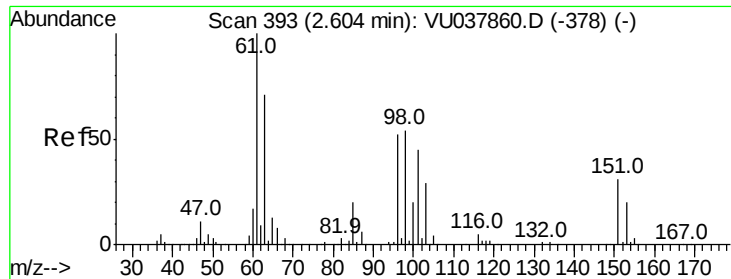
Tgt Ion: 64 Resp: 14752
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.532 ug/L
RT: 2.16 min Scan# 254
Delta R.T. -0.00 min
Lab File: VU037863.D
Acq: 23 Apr 2020 16:07

Tgt Ion: 101 Resp: 28975
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.4





#10

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

Concen: 4.602 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampled :

VSTD00533

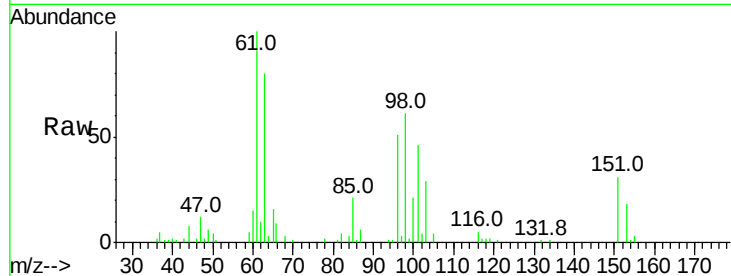
Tgt Ion:101 Resp: 17131

Ion Ratio Lower Upper

101 100

85 42.0 36.2 54.4

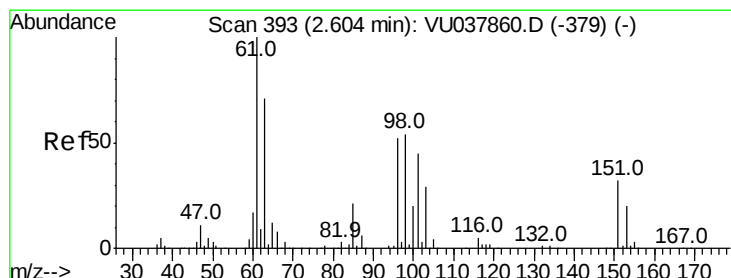
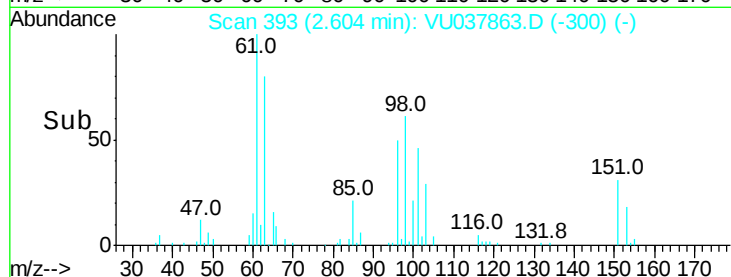
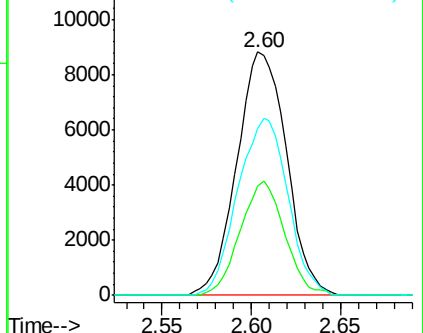
151 73.3 55.5 83.3



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: 4.345 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

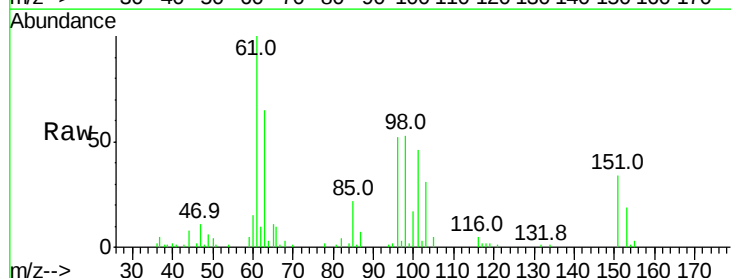
Tgt Ion: 96 Resp: 15946

Ion Ratio Lower Upper

96 100

61 192.9 134.1 249.0

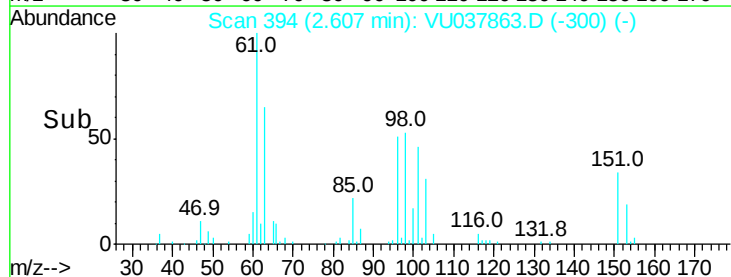
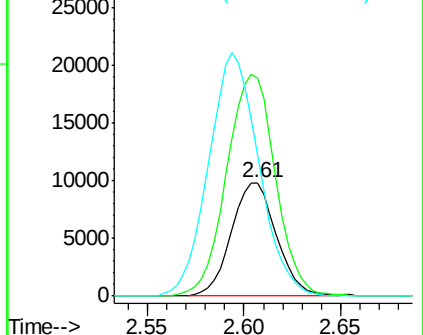
63 124.6 96.5 179.1

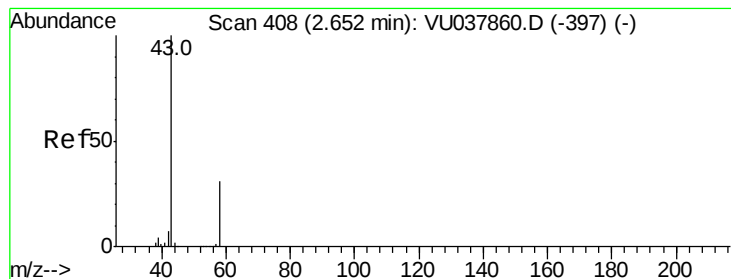


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 8.755 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

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ClientSampleId :

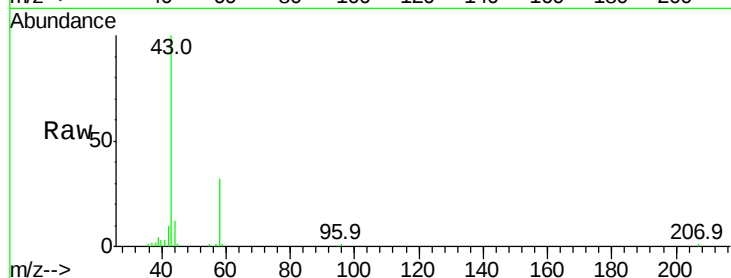
VSTD00533

Tgt Ion: 43 Resp: 23850

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU037863.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037863.D (-397) (-)

2.65

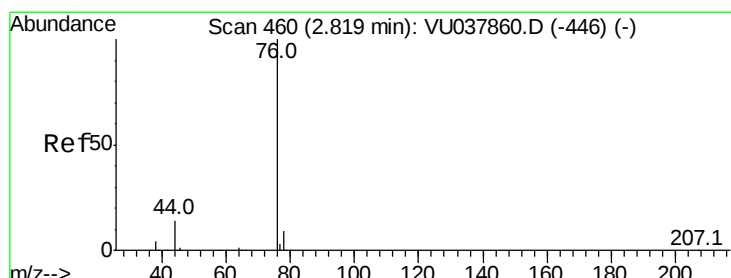
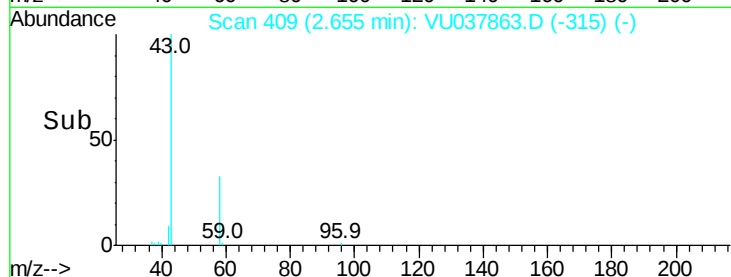
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 5.305 ug/L

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU037863.D

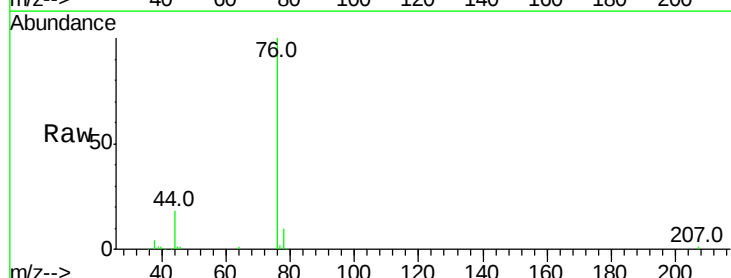
Acq: 23 Apr 2020 16:07

Tgt Ion: 76 Resp: 64933

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU037863.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VU037863.D (-367) (-)

2.82

40000

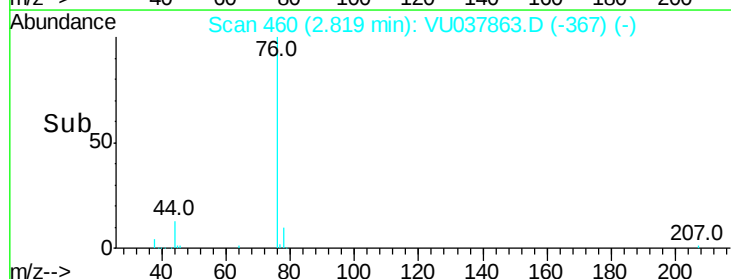
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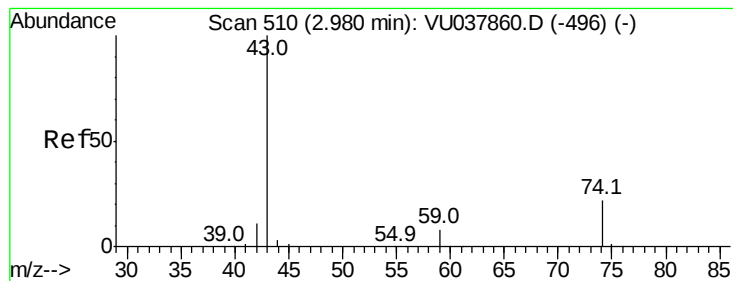
20000

10000

0

Time-->





#15

Methyl Acetate

Concen: 4.688 ug/L

RT: 2.98 min Scan# 510

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

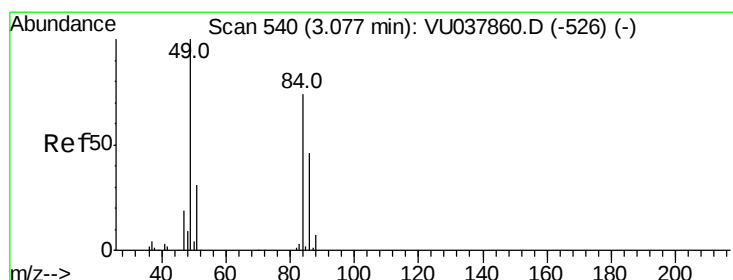
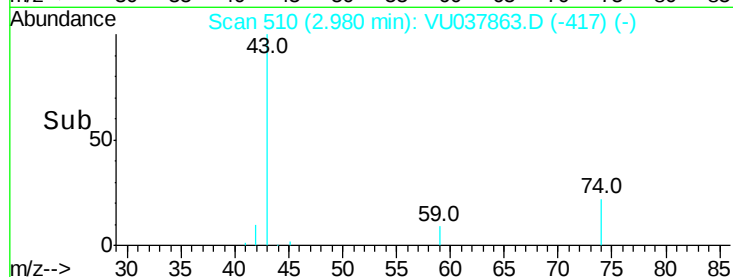
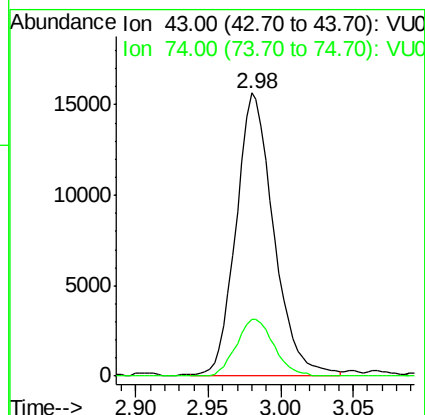
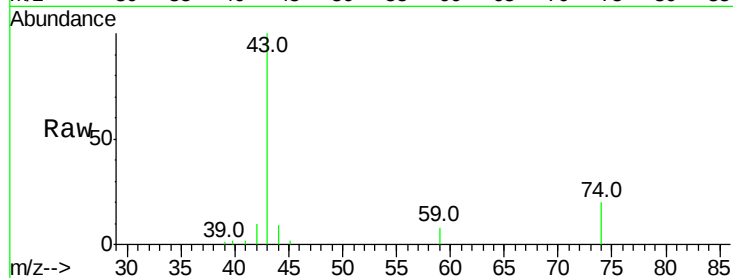
VSTD00533

Tgt Ion: 43 Resp: 28458

Ion Ratio Lower Upper

43 100

74 19.8 17.0 25.4



#16

Methylene chloride

Concen: 4.406 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

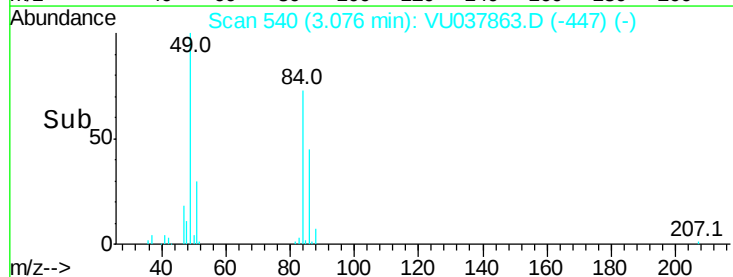
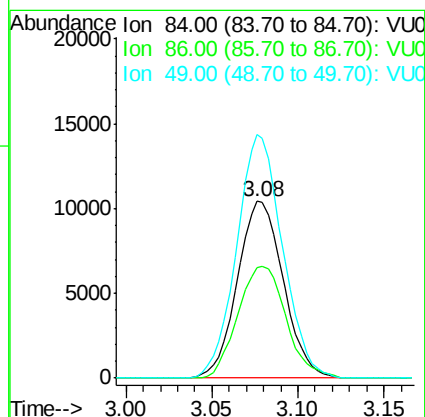
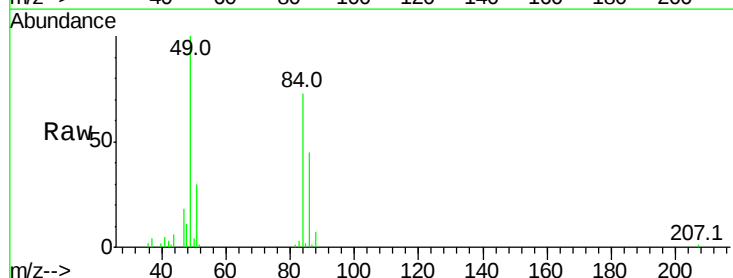
Tgt Ion: 84 Resp: 19412

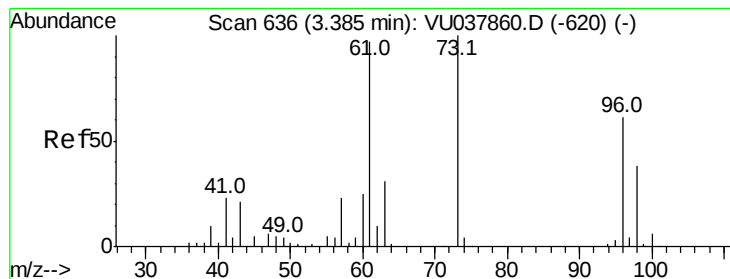
Ion Ratio Lower Upper

84 100

86 62.4 43.5 80.7

49 137.8 95.1 176.7





#17

trans-1,2-Dichloroethene

Concen: 4.834 ug/L

RT: 3.39 min Scan# 637

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

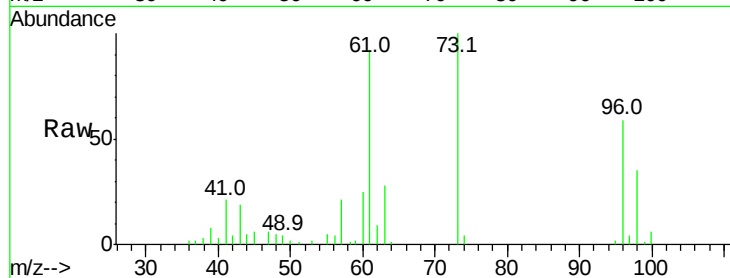
Tgt Ion: 96 Resp: 19581

Ion Ratio Lower Upper

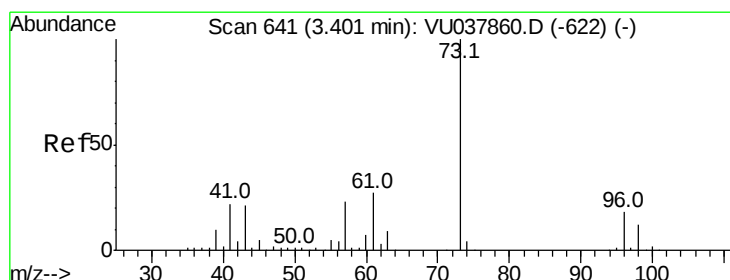
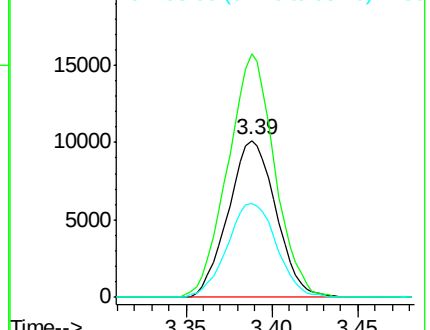
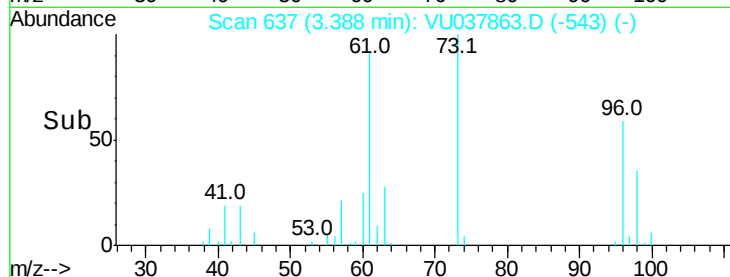
96 100

61 155.2 111.4 207.0

98 59.8 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU037863.D (-543) (-)



#18

Methyl tert-butyl Ether

Concen: 4.413 ug/L

RT: 3.40 min Scan# 642

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

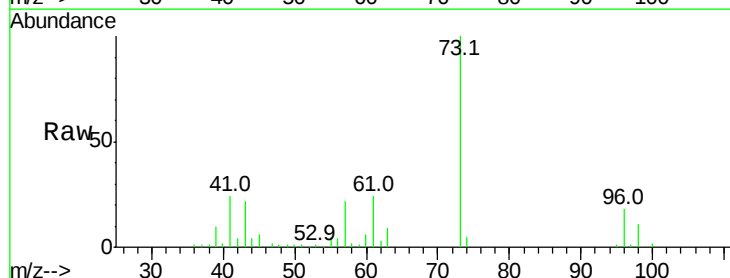
Tgt Ion: 73 Resp: 63631

Ion Ratio Lower Upper

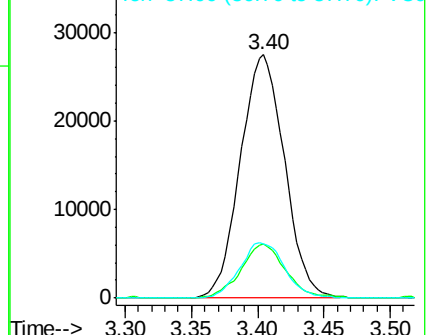
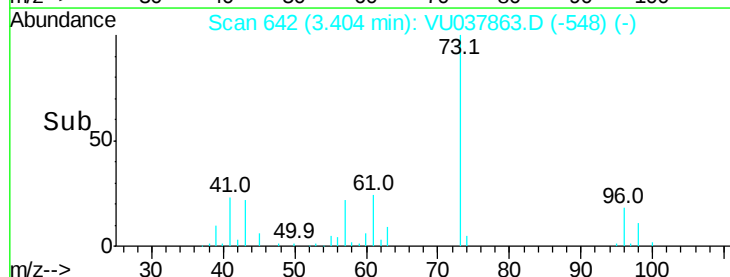
73 100

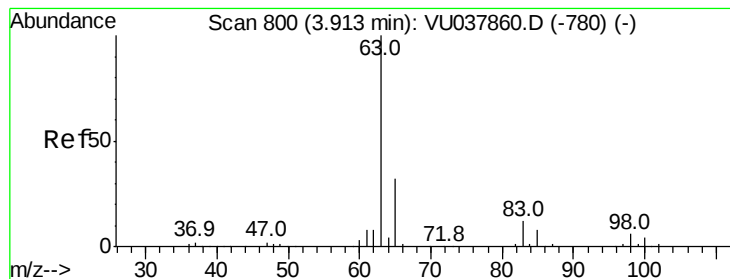
43 21.5 17.0 25.6

57 23.1 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VU037863.D (-548) (-)





#19

1,1-Dichloroethane

Concen: 4.421 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

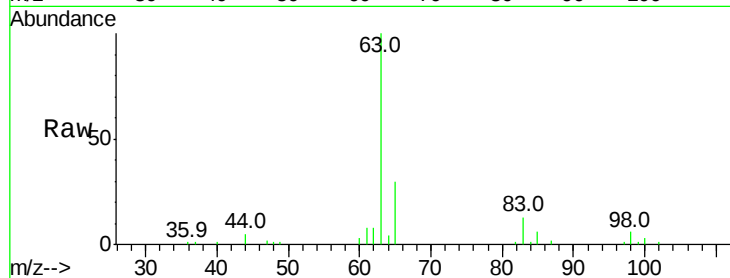
Tgt Ion: 63 Resp: 37185

Ion Ratio Lower Upper

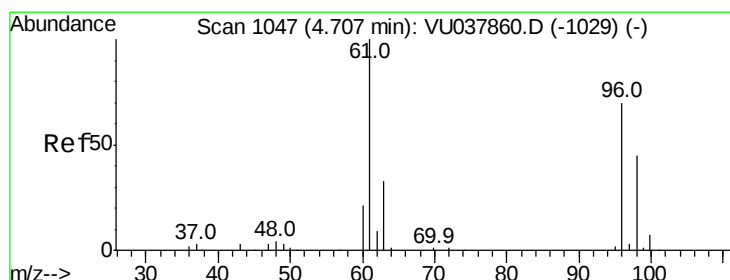
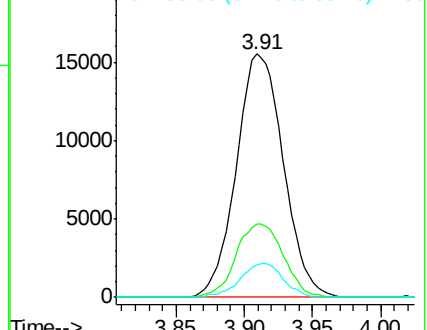
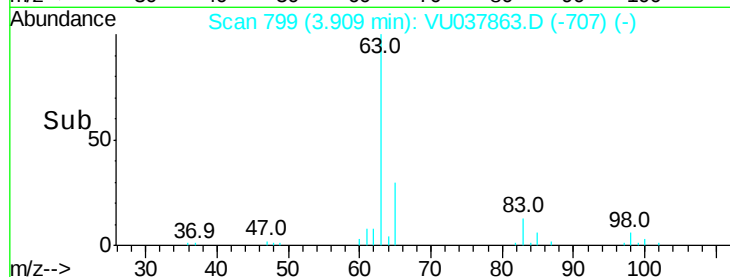
63 100

65 30.2 22.2 41.2

83 13.4 8.6 16.0



Abundance Ion 63.00 (62.70 to 63.70): VU037863.D (-707) (-)



#20

cis-1,2-Dichloroethene

Concen: 4.414 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

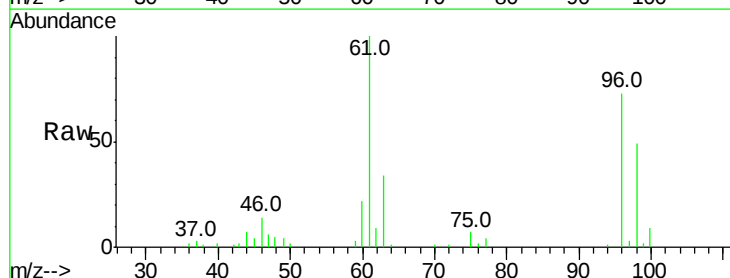
Tgt Ion: 96 Resp: 19982

Ion Ratio Lower Upper

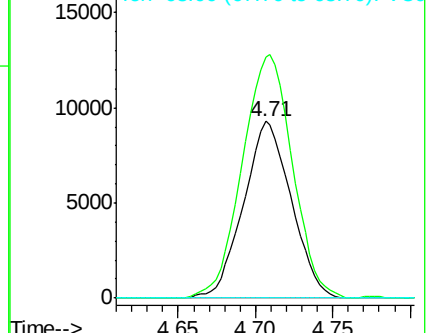
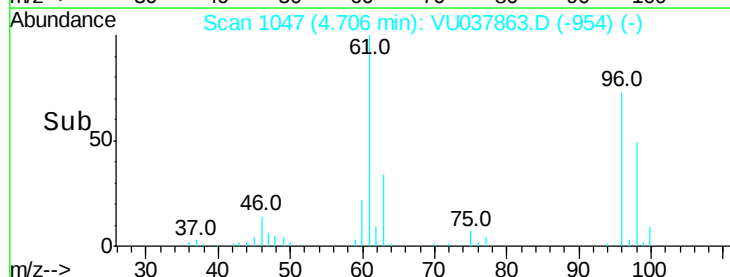
96 100

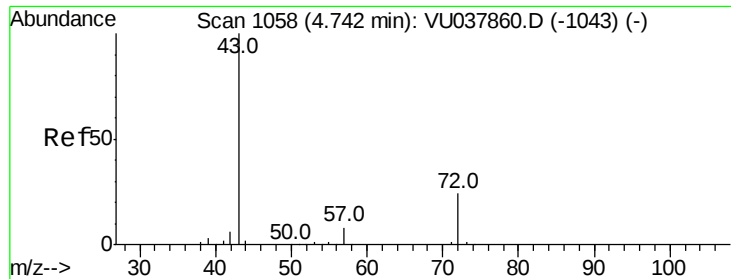
61 136.8 100.4 186.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037863.D (-954) (-)





#22

2-Butanone

Concen: 9.310 ug/L

RT: 4.75 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

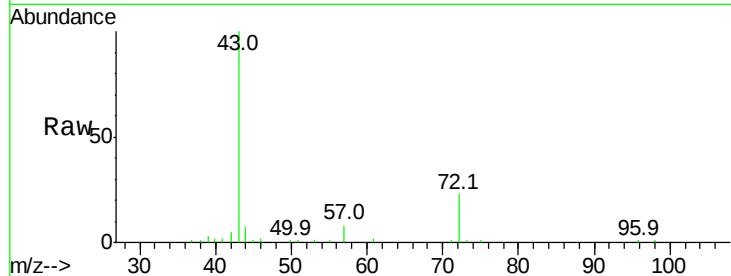
VSTD00533

Tgt Ion: 43 Resp: 41674

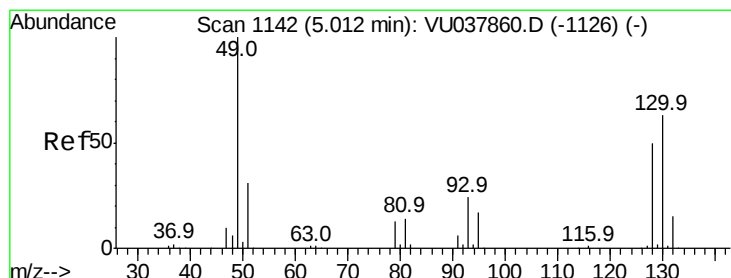
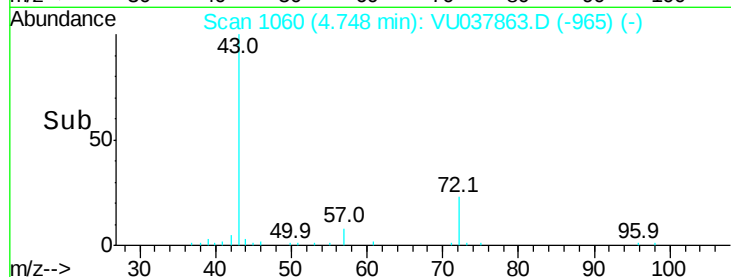
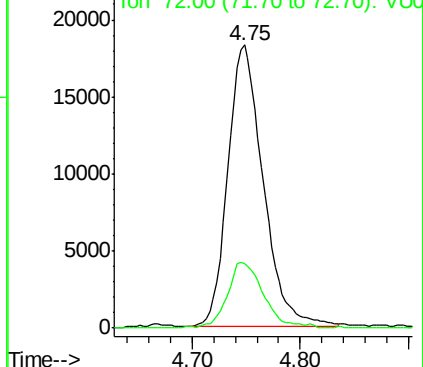
Ion Ratio Lower Upper

43 100

72 23.5 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037863.D (-1060) (-)



#23

Bromochloromethane

Concen: 4.363 ug/L

RT: 5.02 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Tgt Ion: 128 Resp: 9485

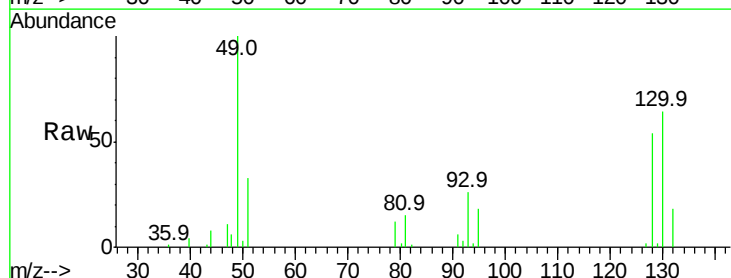
Ion Ratio Lower Upper

128 100

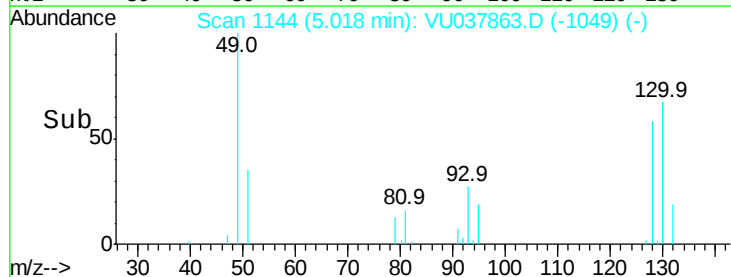
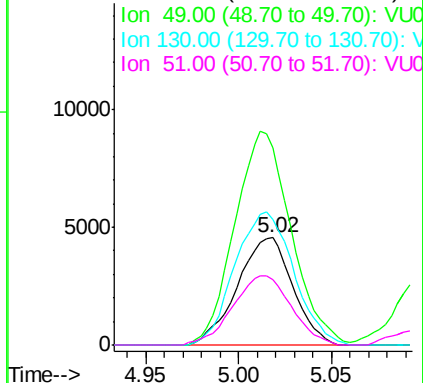
49 183.9 140.9 261.7

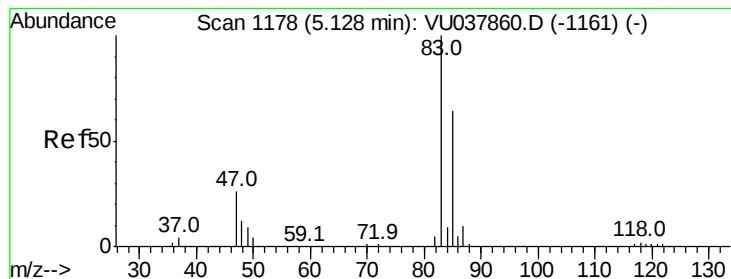
130 117.0 88.6 164.6

51 61.5 50.0 75.0



Abundance Ion 128.00 (127.70 to 128.70): VU037863.D (-1144) (-)





#25

Chloroform

Concen: 4.371 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

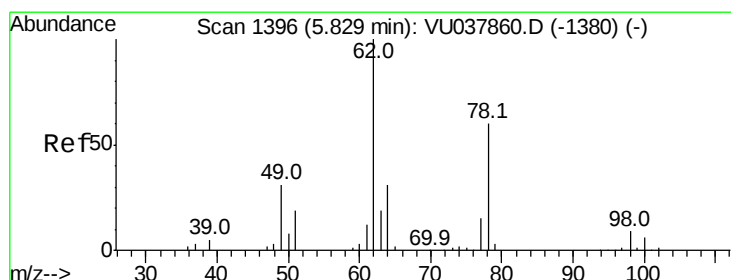
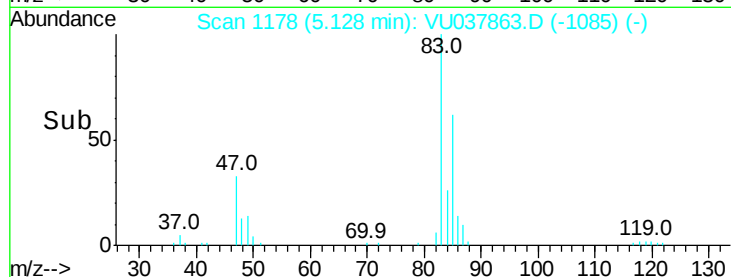
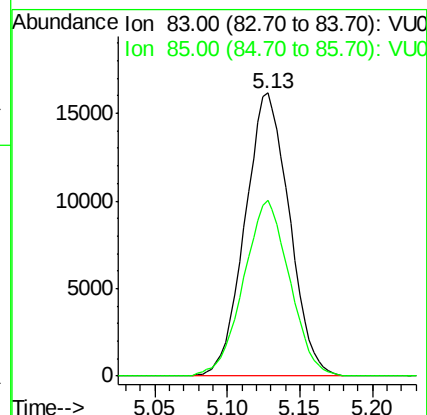
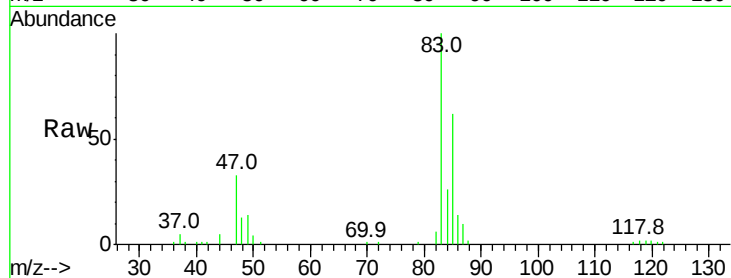
VSTD00533

Tgt Ion: 83 Resp: 34417

Ion Ratio Lower Upper

83 100

85 62.1 45.1 83.9



#27

1,2-Dichloroethane

Concen: 4.492 ug/L

RT: 5.83 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VU037863.D

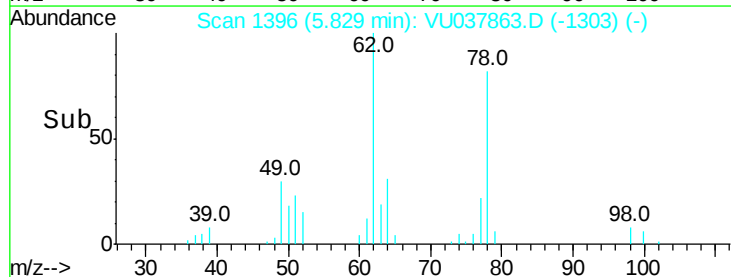
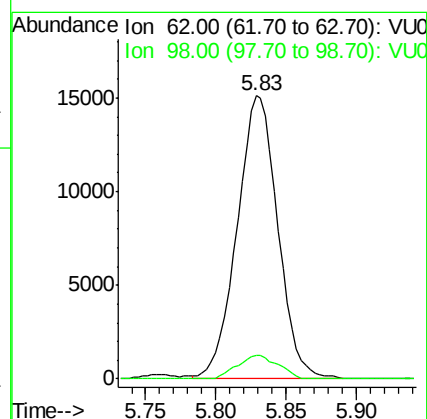
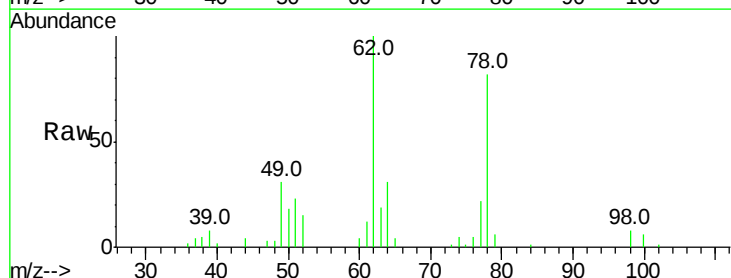
Acq: 23 Apr 2020 16:07

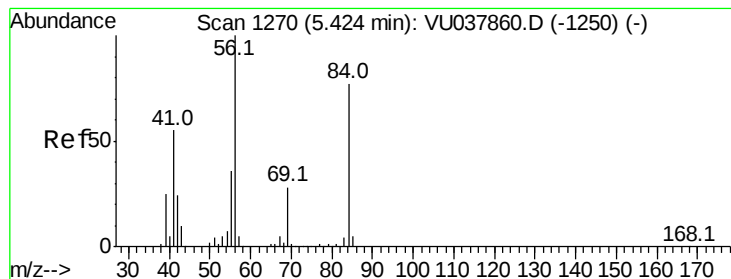
Tgt Ion: 62 Resp: 30495

Ion Ratio Lower Upper

62 100

98 8.4 7.3 10.9





#29

Cyclohexane

Concen: 4.617 ug/L

RT: 5.42 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

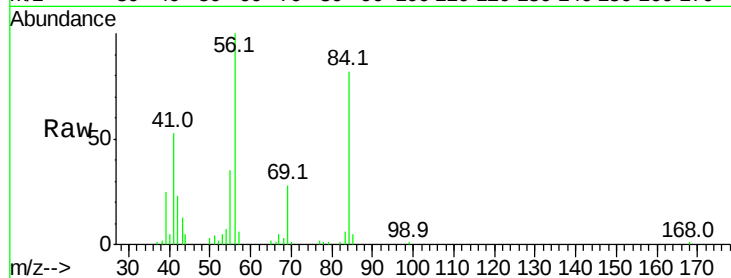
Tgt Ion: 56 Resp: 37301

Ion Ratio Lower Upper

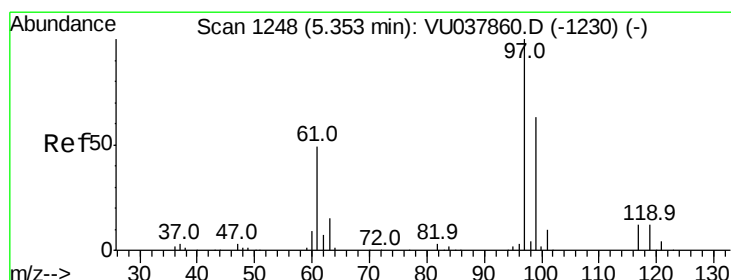
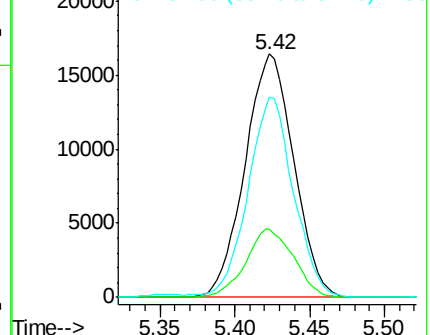
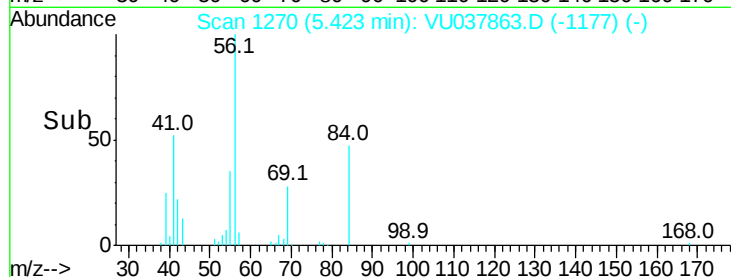
56 100

69 27.5 22.9 34.3

84 76.9 63.6 95.4



Abundance Ion 56.00 (55.70 to 56.70): VU037863.D (-1177) (-)



#30

1,1,1-Trichloroethane

Concen: 4.326 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

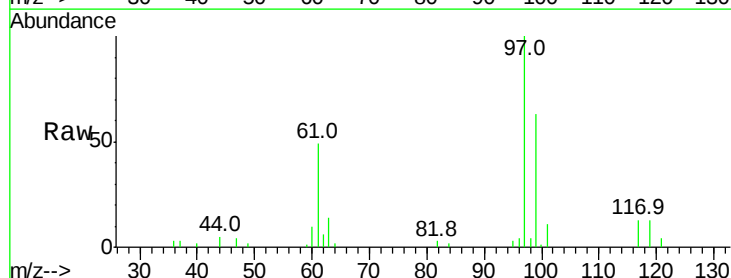
Tgt Ion: 97 Resp: 28501

Ion Ratio Lower Upper

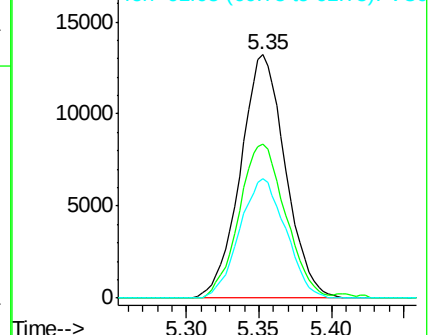
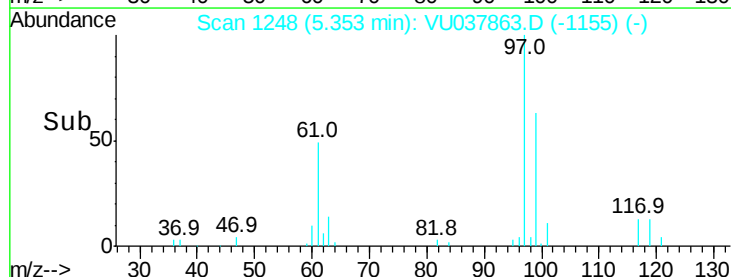
97 100

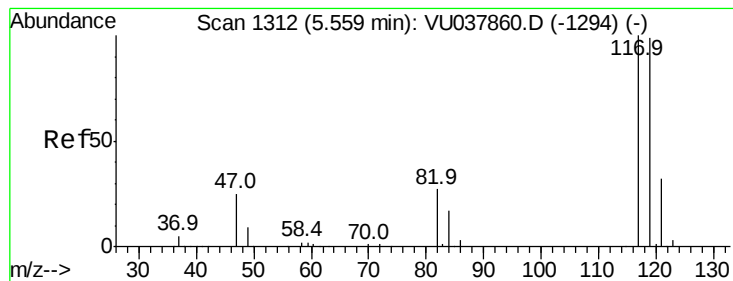
99 65.5 50.7 76.1

61 50.1 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VU037863.D (-1155) (-)





#31

Carbon tetrachloride

Concen: 4.384 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

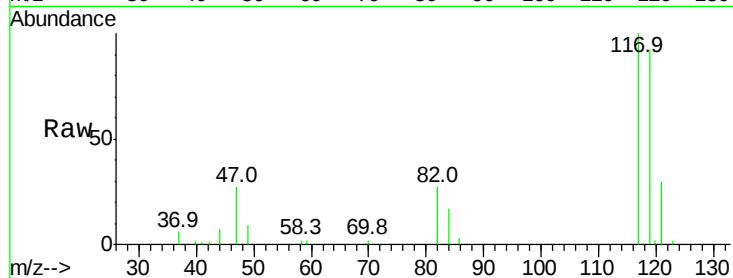
VSTD00533

Tgt Ion:117 Resp: 23238

Ion Ratio Lower Upper

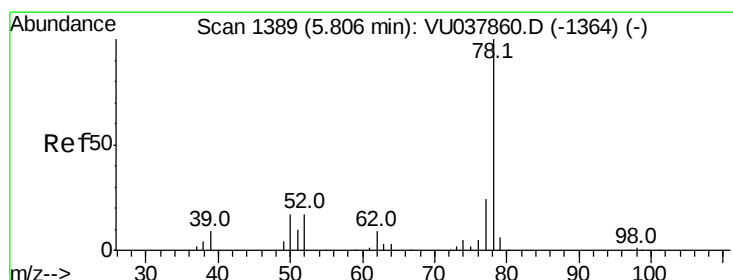
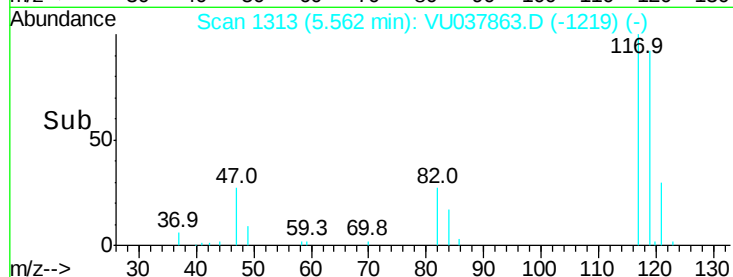
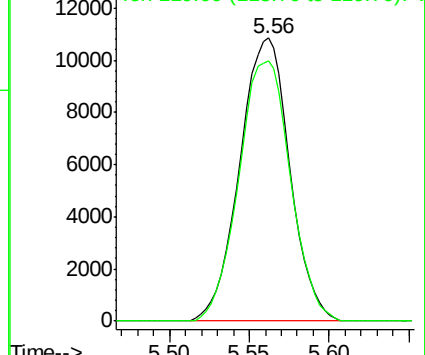
117 100

119 95.0 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: 4.576 ug/L

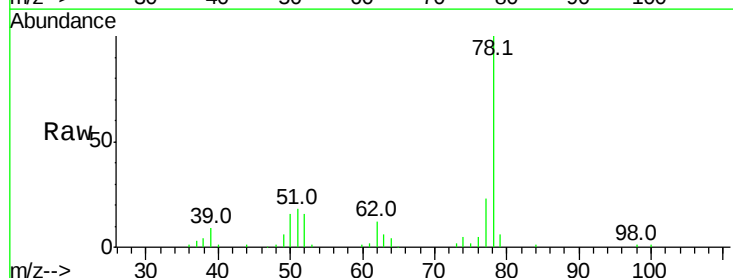
RT: 5.81 min Scan# 1390

Delta R.T. 0.00 min

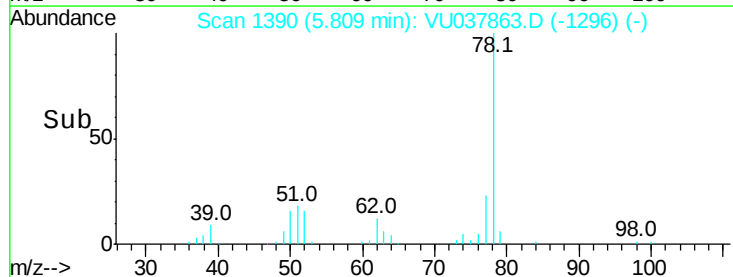
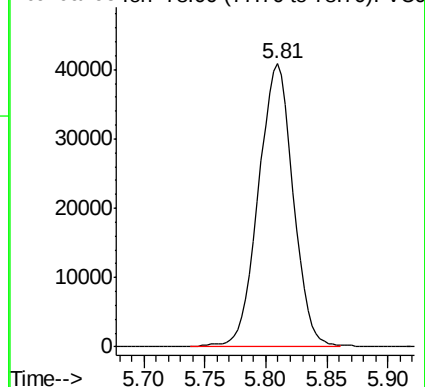
Lab File: VU037863.D

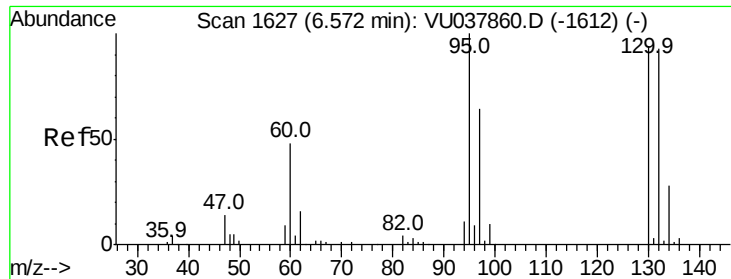
Acq: 23 Apr 2020 16:07

Tgt Ion: 78 Resp: 80649



Abundance Ion 78.00 (77.70 to 78.70): VU0

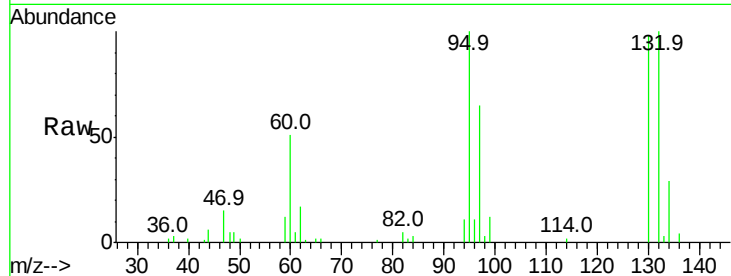




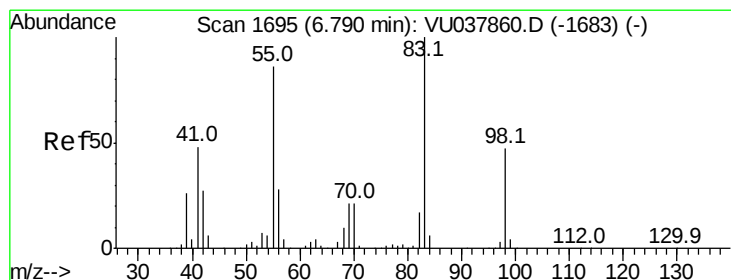
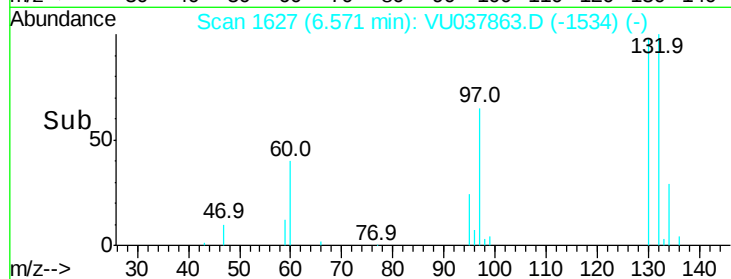
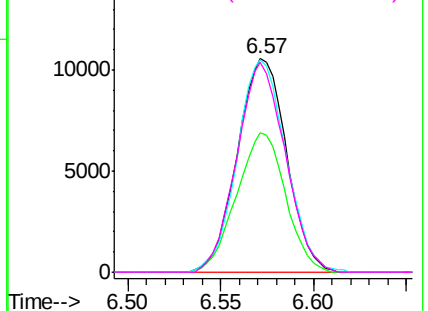
#34
 Trichloroethene
 Concen: 4.498 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion:	95	Resp:	19567
Ion	Ratio	Lower	Upper
95	100		
97	65.2	44.4	82.5
132	99.8	65.0	120.6
130	98.1	65.5	121.7

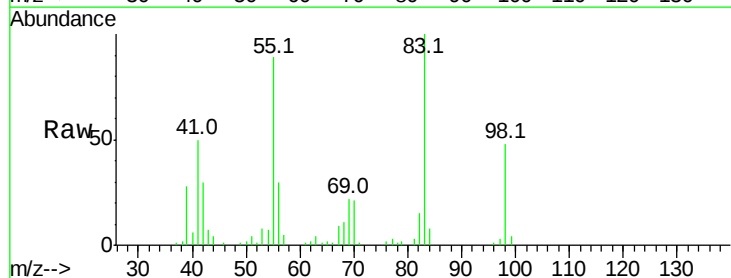


Abundance Ion 95.00 (94.70 to 95.70): VU037863.D (-1612) (-)
 Ion 97.00 (96.70 to 97.70): VU037863.D (-1612) (-)
 Ion 132.00 (131.70 to 132.70): VU037863.D (-1612) (-)
 Ion 130.00 (129.70 to 130.70): VU037863.D (-1612) (-)

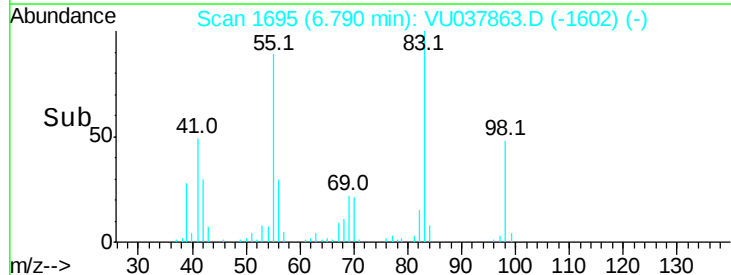
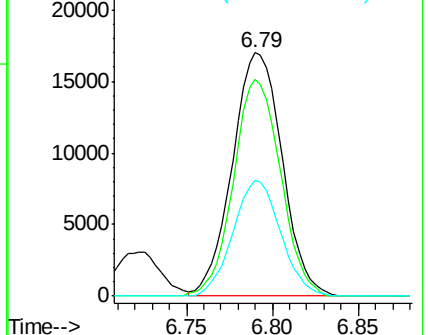


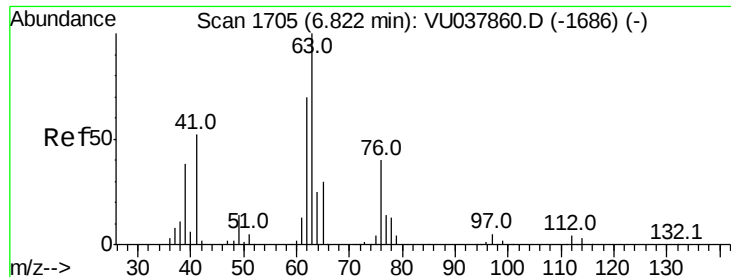
#35
 Methylcyclohexane
 Concen: 4.505 ug/L
 RT: 6.79 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion:	83	Resp:	34216
Ion	Ratio	Lower	Upper
83	100		
55	84.1	66.3	99.5
98	45.4	37.4	56.0



Abundance Ion 83.00 (82.70 to 83.70): VU037863.D (-1683) (-)
 Ion 55.00 (54.70 to 55.70): VU037863.D (-1683) (-)
 Ion 98.00 (97.70 to 98.70): VU037863.D (-1683) (-)

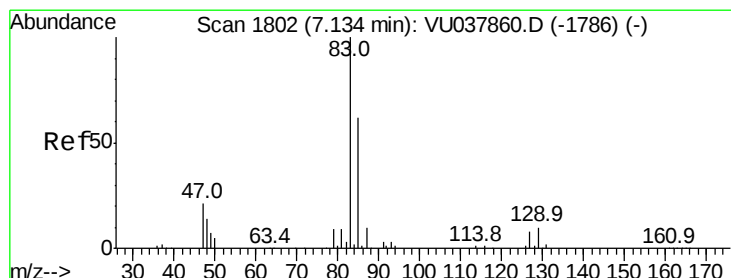
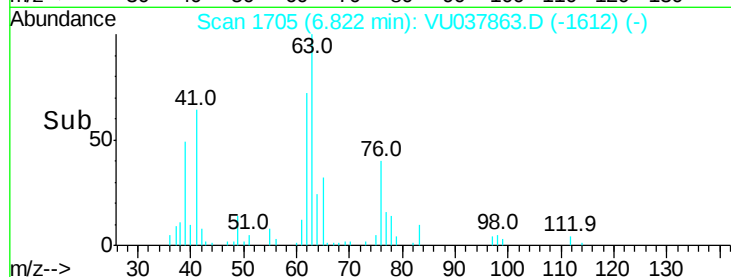
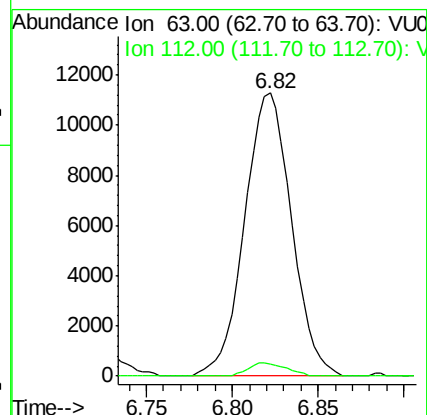
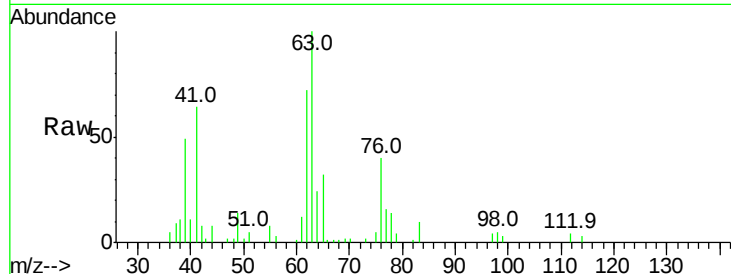




#37
 1,2-Dichloropropane
 Concen: 4.295 ug/L
 RT: 6.82 min Scan# 1705
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

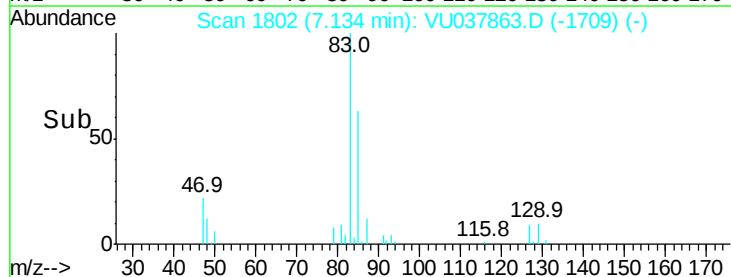
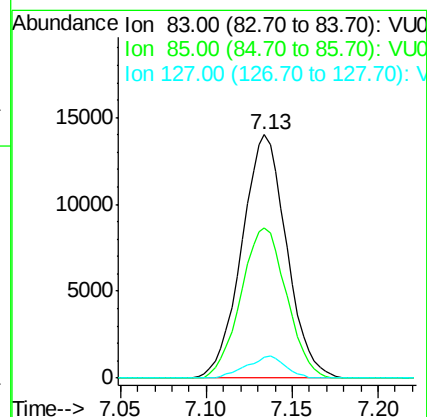
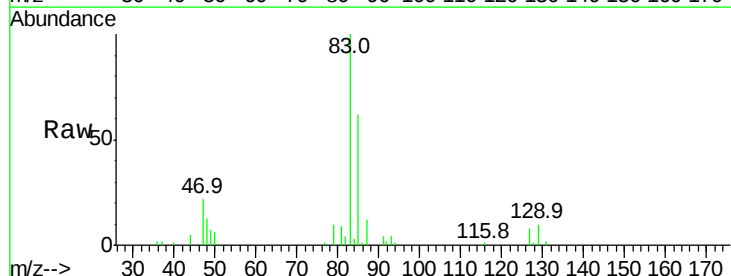
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

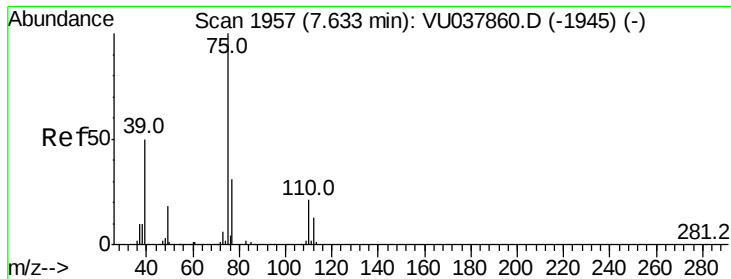
Tgt Ion: 63 Resp: 21379
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.0 4.4



#38
 Bromodichloromethane
 Concen: 4.237 ug/L
 RT: 7.13 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion: 83 Resp: 25383
 Ion Ratio Lower Upper
 83 100
 85 61.9 43.3 80.3
 127 8.4 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 4.376 ug/L

RT: 7.63 min Scan# 1957

Delta R.T. -0.00 min

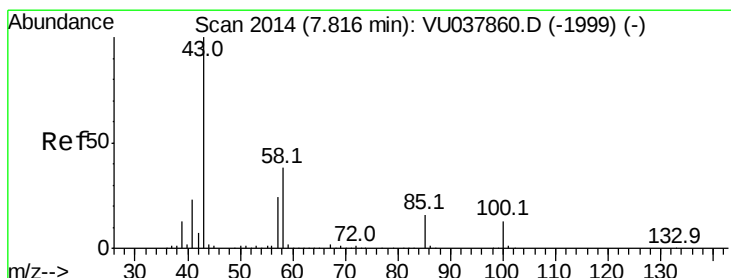
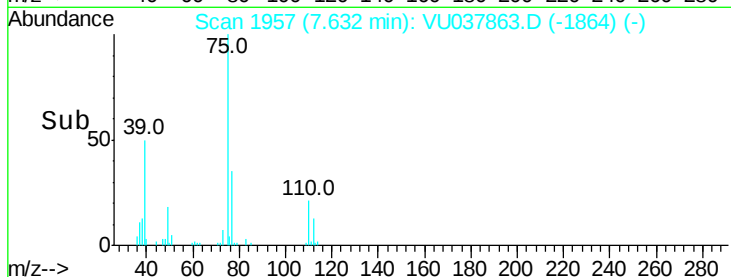
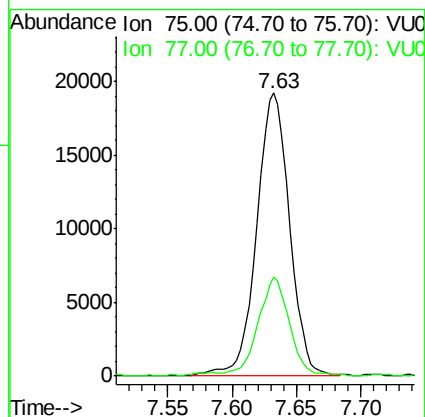
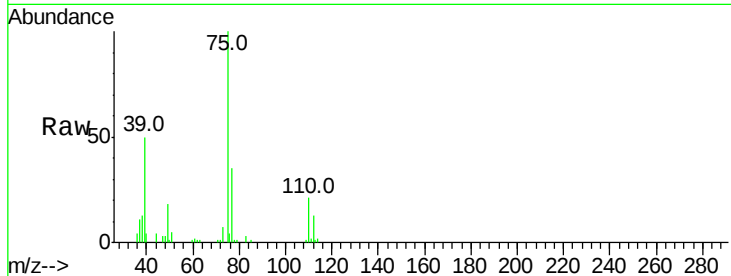
Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

Tgt Ion: 75 Resp: 34314

Ion	Ratio	Lower	Upper
75	100		
77	35.0	21.7	40.3



#40

4-Methyl-2-pentanone

Concen: 9.026 ug/L

RT: 7.82 min Scan# 2014

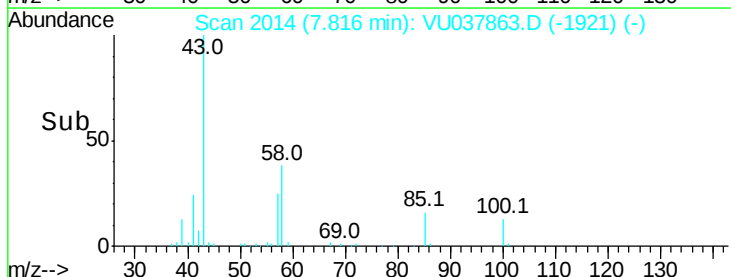
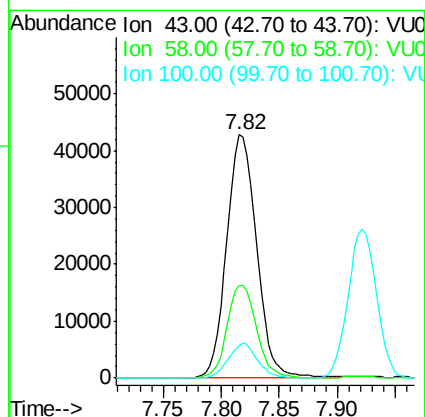
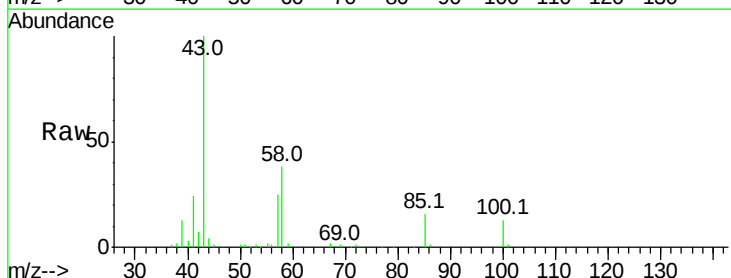
Delta R.T. -0.00 min

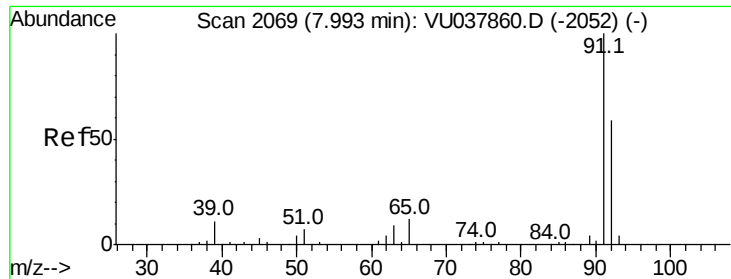
Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Tgt Ion: 43 Resp: 76649

Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.2	45.2
100	13.6	10.9	16.3





#42

Toluene

Concen: 4.463 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

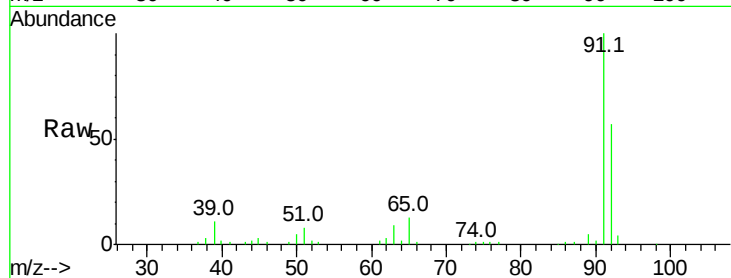
VSTD00533

Tgt Ion: 91 Resp: 83294

Ion Ratio Lower Upper

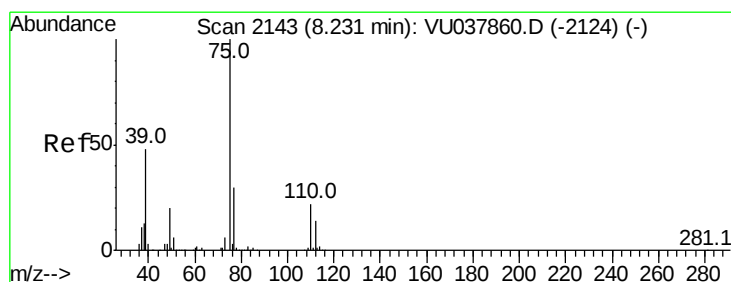
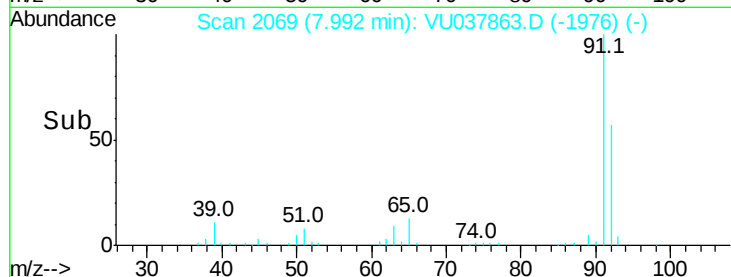
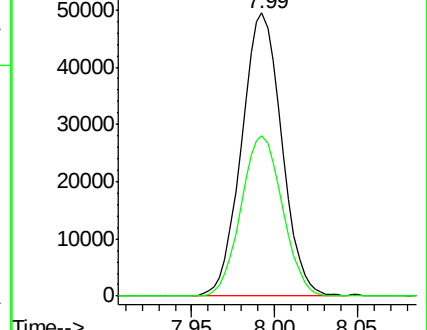
91 100

92 56.6 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) (-)



#44

trans-1,3-Dichloropropene

Concen: 4.390 ug/L

RT: 8.23 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VU037863.D

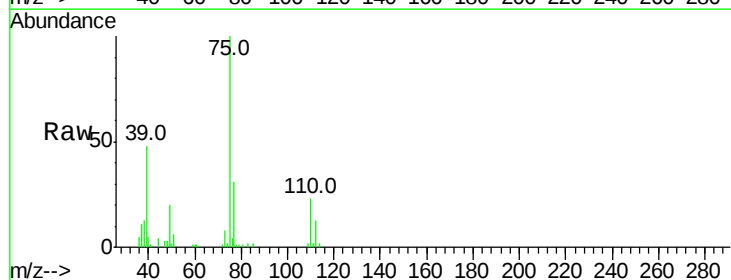
Acq: 23 Apr 2020 16:07

Tgt Ion: 75 Resp: 33081

Ion Ratio Lower Upper

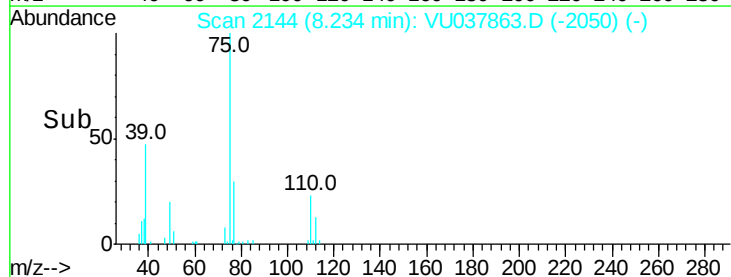
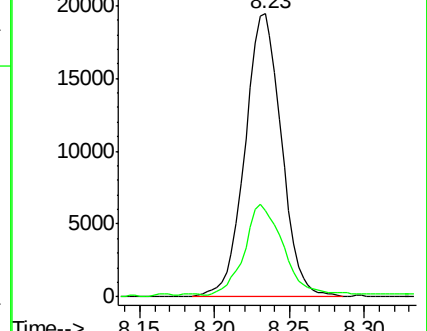
75 100

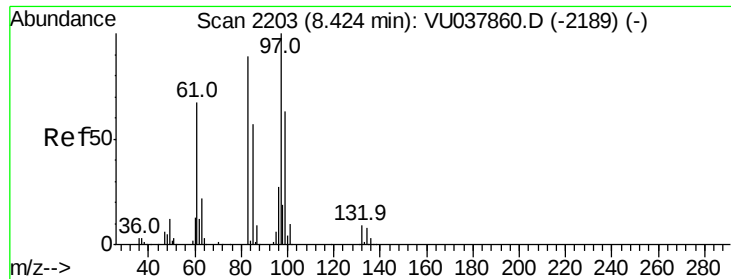
77 30.7 21.0 39.0



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

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

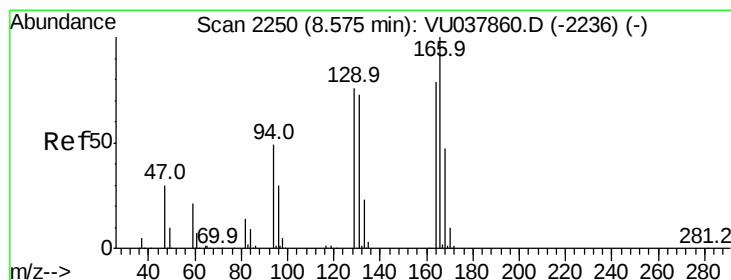
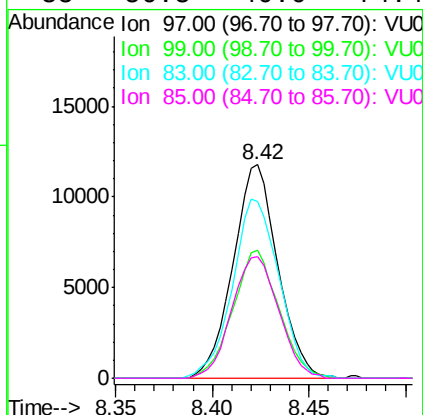
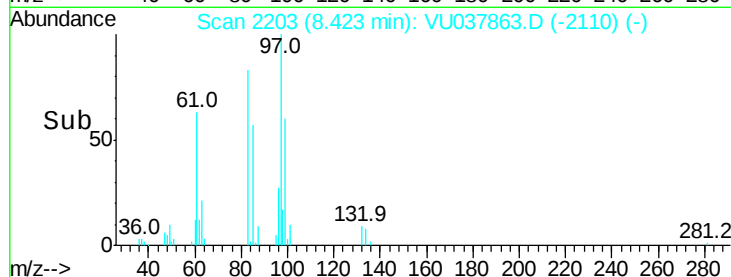
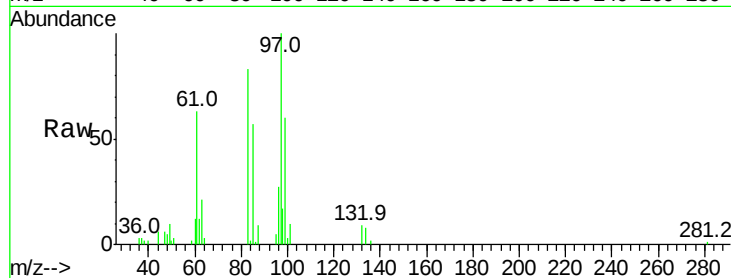




#45
 1,1,2-Trichloroethane
 Concen: 4.415 ug/L
 RT: 8.42 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

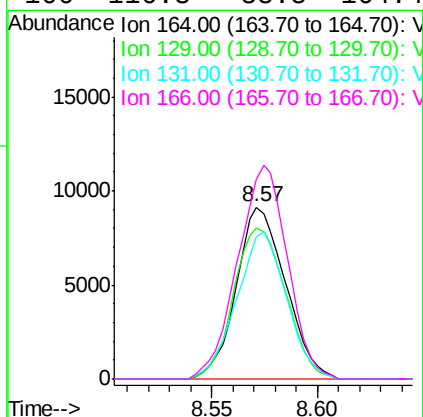
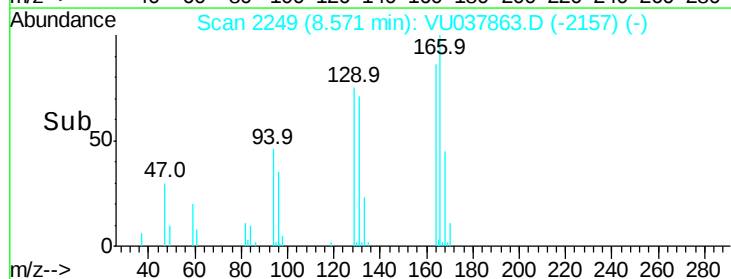
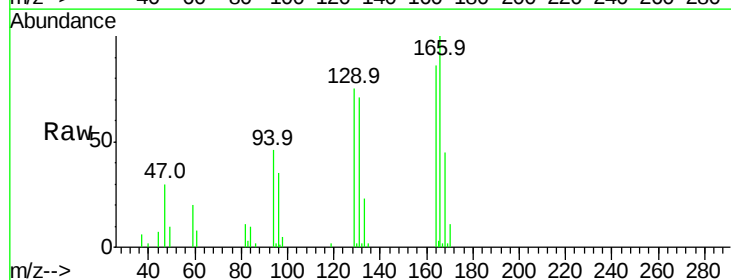
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

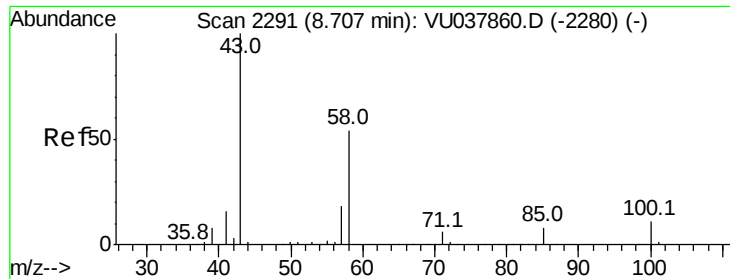
Tgt Ion:	97	Resp:	18990
Ion	Ratio	Lower	Upper
97	100		
99	60.1	44.0	81.6
83	82.9	62.6	116.2
85	56.8	40.0	74.4



#46
 Tetrachloroethene
 Concen: 4.757 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion:	164	Resp:	14866
Ion	Ratio	Lower	Upper
164	100		
129	87.7	67.3	125.1
131	82.7	64.8	120.4
166	116.3	88.5	164.4



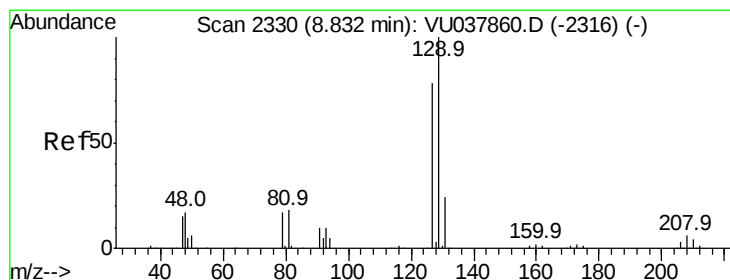
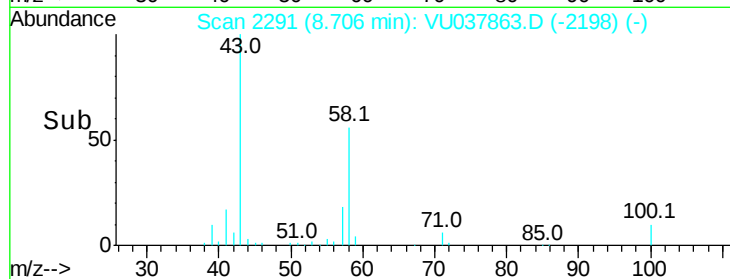
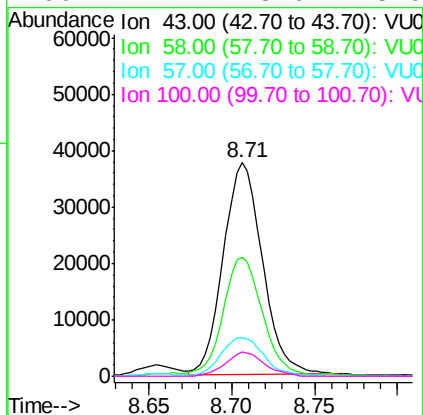
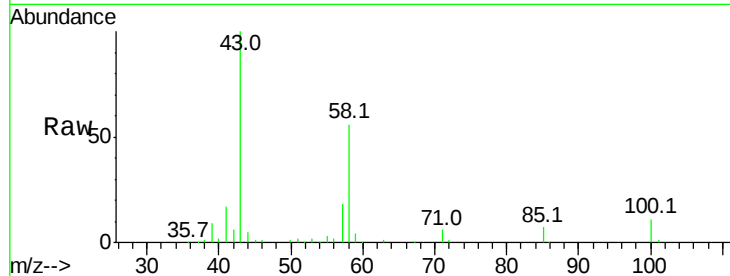


#48
 2-Hexanone
 Concen: 9.183 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion: 43 Resp: 61863

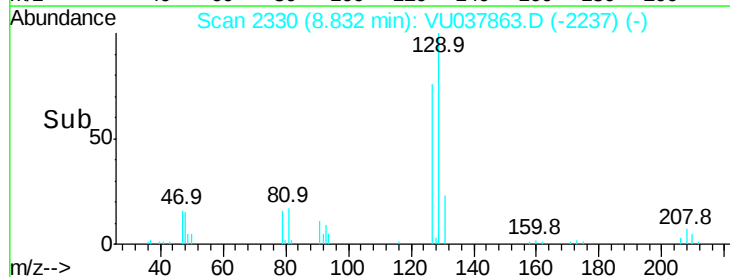
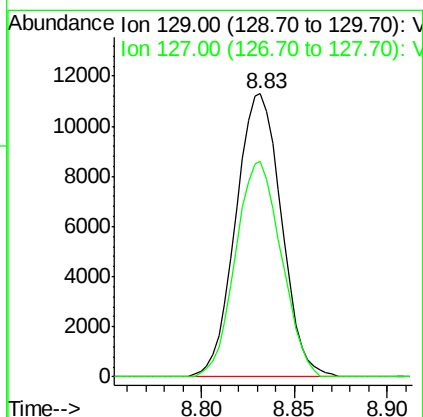
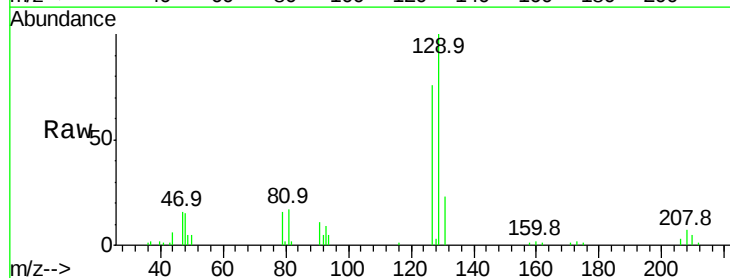
Ion	Ratio	Lower	Upper
43	100		
58	56.6	42.6	63.8
57	19.2	14.6	22.0
100	11.2	8.6	13.0

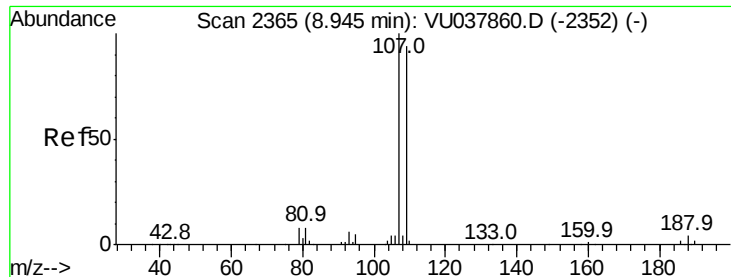


#49
 Dibromochloromethane
 Concen: 4.322 ug/L
 RT: 8.83 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion: 129 Resp: 19356

Ion	Ratio	Lower	Upper
129	100		
127	76.2	54.7	101.5

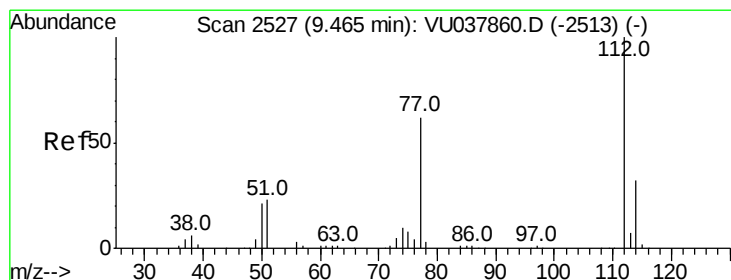
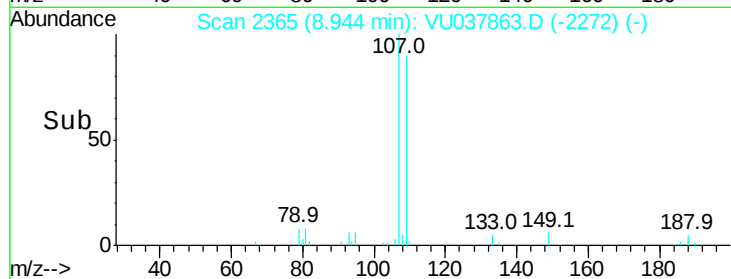
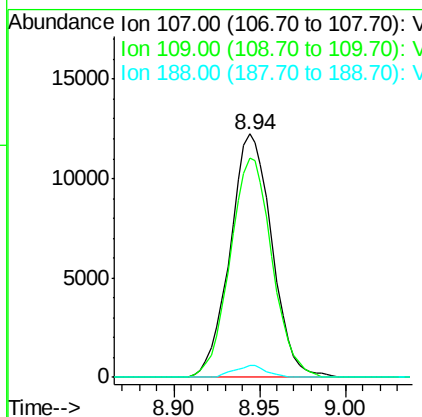
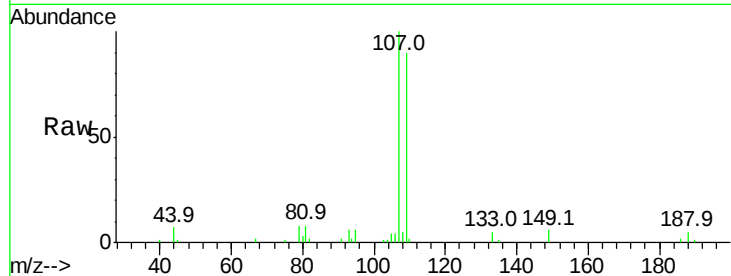




#50
1,2-Dibromoethane
Concen: 4.502 ug/L
RT: 8.94 min Scan# 2365
Delta R.T. -0.00 min
Lab File: VU037863.D
Acq: 23 Apr 2020 16:07

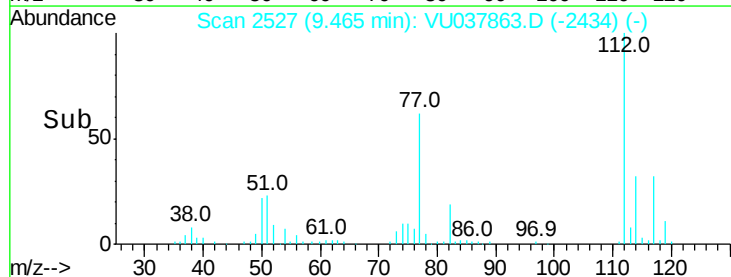
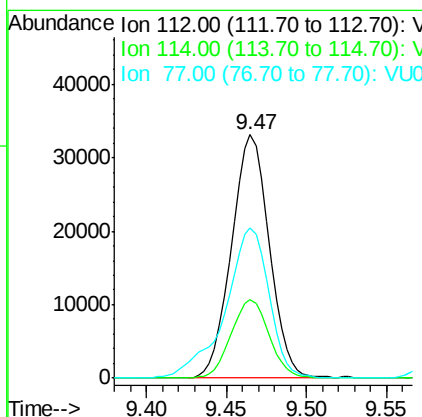
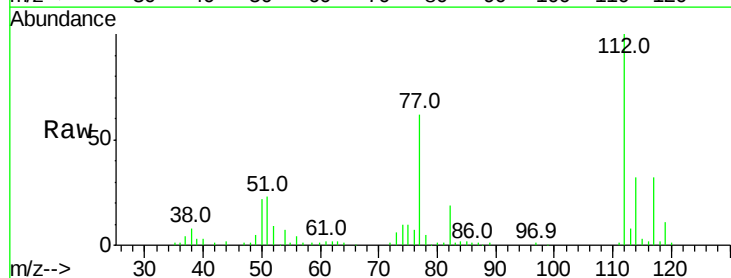
Instrument :
MSVOA_U
ClientSampleId :
VSTD00533

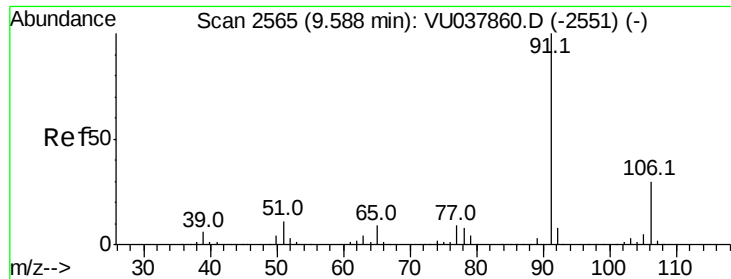
Tgt Ion:107 Resp: 20786
Ion Ratio Lower Upper
107 100
109 89.8 65.7 122.1
188 4.9 2.9 4.3#



#51
Chlorobenzene
Concen: 4.568 ug/L
RT: 9.47 min Scan# 2527
Delta R.T. -0.00 min
Lab File: VU037863.D
Acq: 23 Apr 2020 16:07

Tgt Ion:112 Resp: 53235
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.3
77 61.9 49.8 74.6





#52

Ethylbenzene

Concen: 4.326 ug/L

RT: 9.59 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

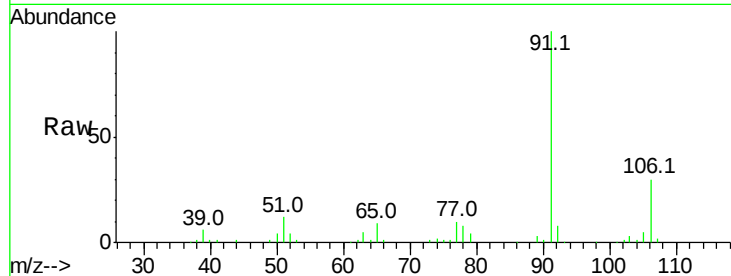
VSTD00533

Tgt Ion: 91 Resp: 90547

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VU037860.D (-2551) (-)

Ion 106.00 (105.70 to 106.70): VU037860.D (-2551) (-)

9.59

60000

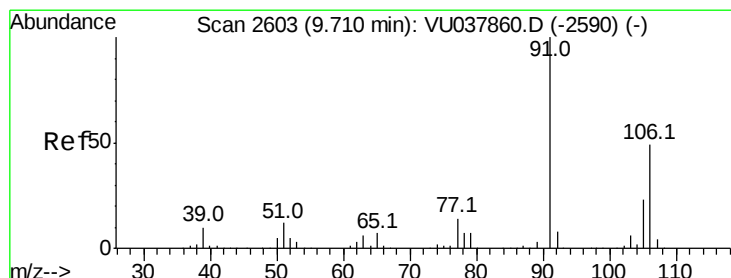
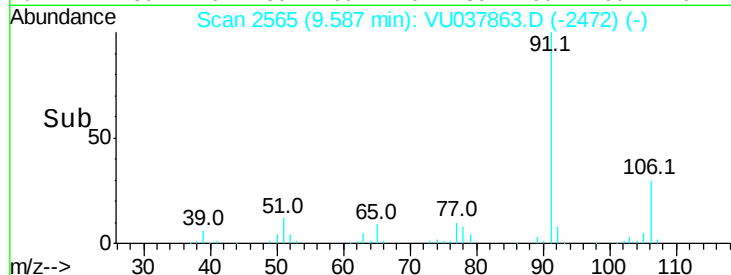
40000

20000

0

9.55 9.60 9.65

Time-->



#53

m,p-Xylene

Concen: 4.375 ug/L

RT: 9.71 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VU037863.D

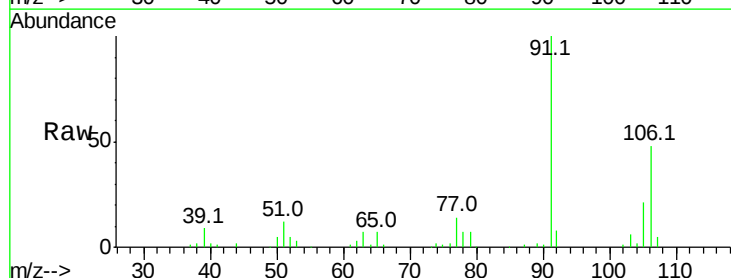
Acq: 23 Apr 2020 16:07

Tgt Ion: 106 Resp: 34724

Ion Ratio Lower Upper

106 100

91 209.3 142.8 265.2



Abundance Ion 106.00 (105.70 to 106.70): VU037860.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VU037860.D (-2590) (-)

9.71

50000

40000

30000

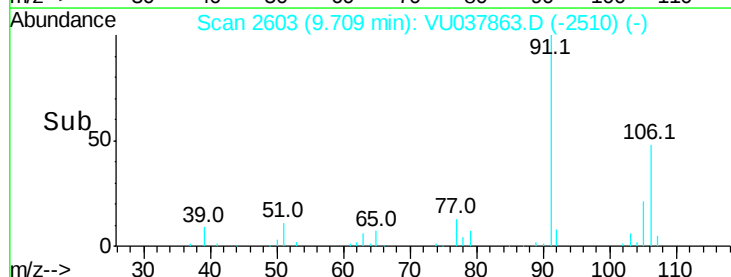
20000

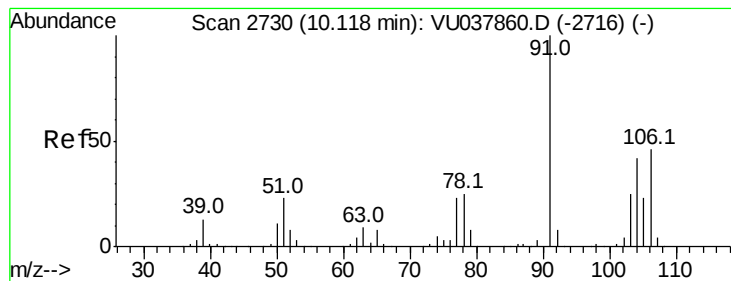
10000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 4.367 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

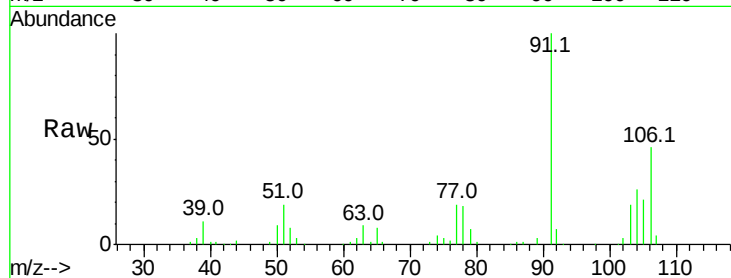
VSTD00533

Tgt Ion:106 Resp: 33682

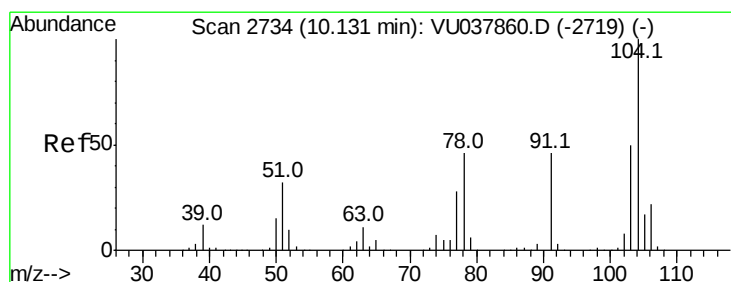
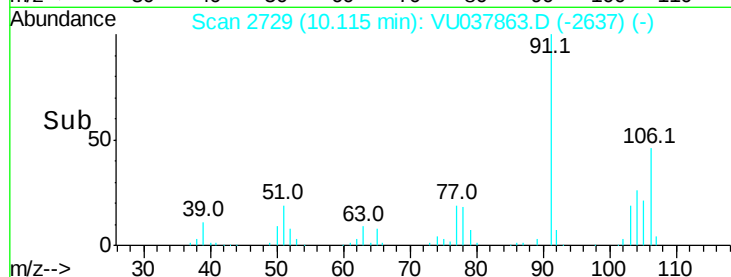
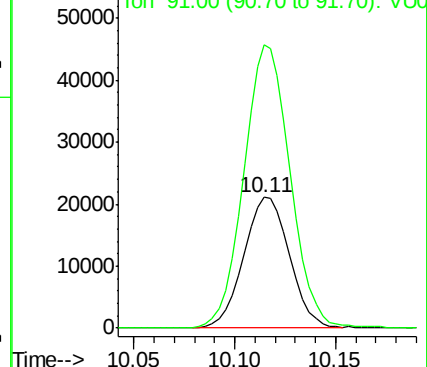
Ion Ratio Lower Upper

106 100

91 216.1 150.6 279.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

Styrene

Concen: 4.282 ug/L

RT: 10.13 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VU037863.D

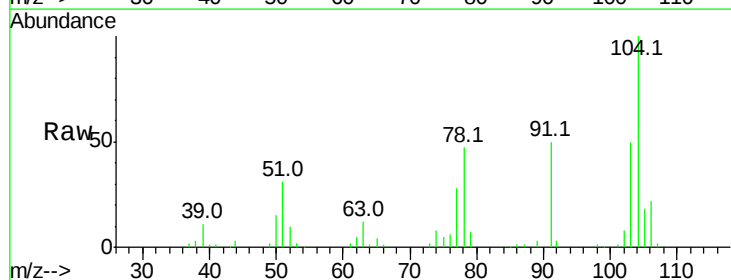
Acq: 23 Apr 2020 16:07

Tgt Ion:104 Resp: 57241

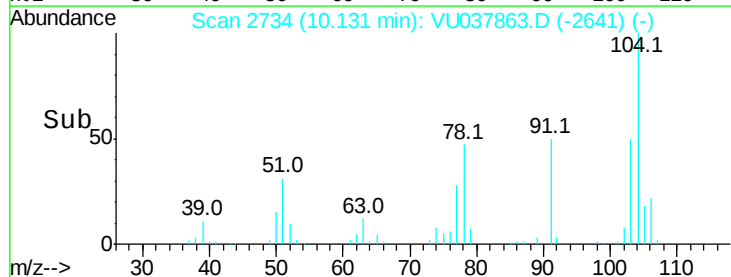
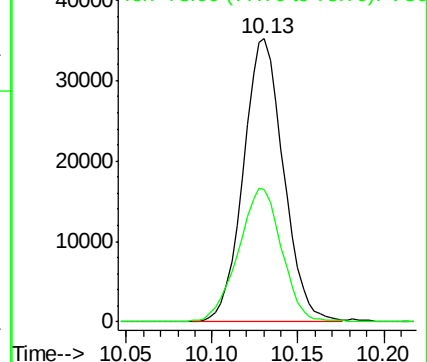
Ion Ratio Lower Upper

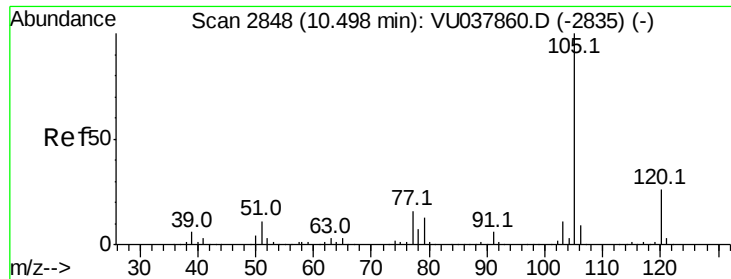
104 100

78 46.7 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V





#56

Isopropylbenzene

Concen: 4.416 ug/L

RT: 10.50 min Scan# 2849

Delta R.T. 0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

Instrument :

MSVOA_U

ClientSampleId :

VSTD00533

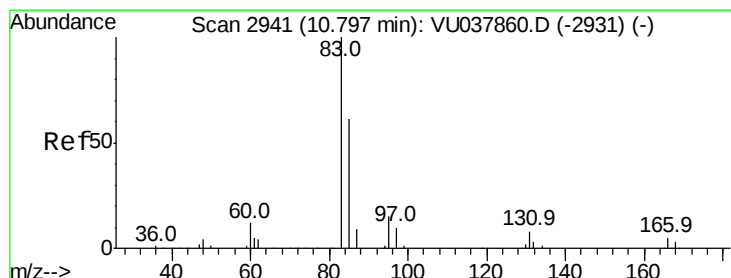
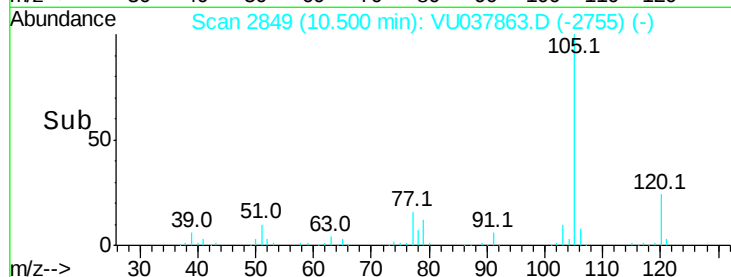
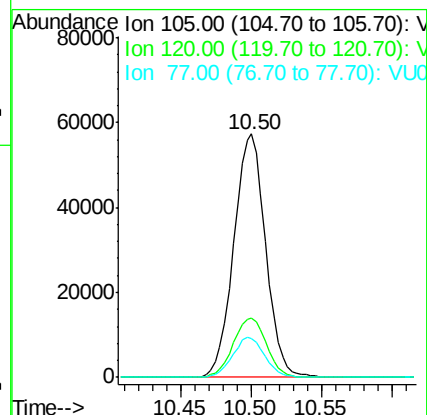
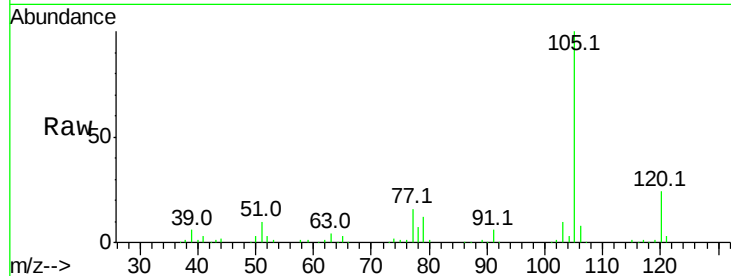
Tgt Ion:105 Resp: 90498

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

77 16.4 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 4.210 ug/L

RT: 10.80 min Scan# 2941

Delta R.T. -0.00 min

Lab File: VU037863.D

Acq: 23 Apr 2020 16:07

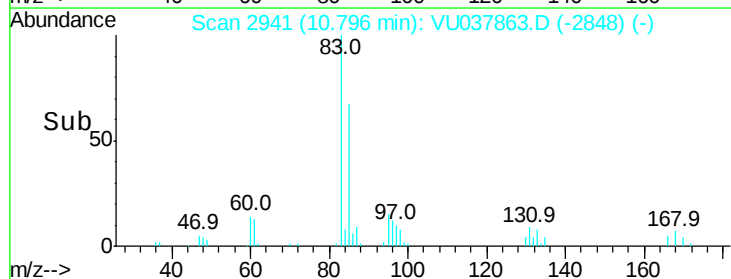
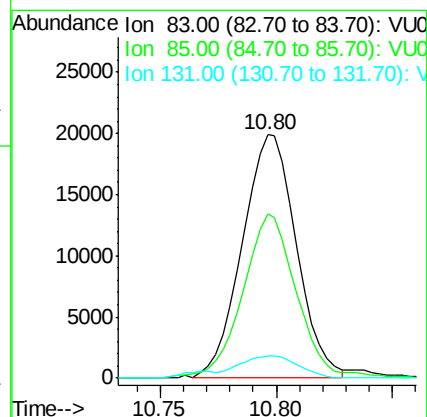
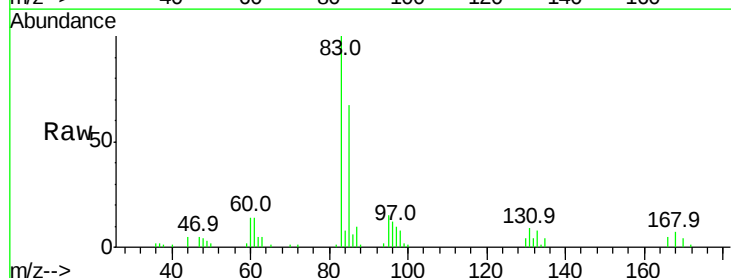
Tgt Ion: 83 Resp: 32269

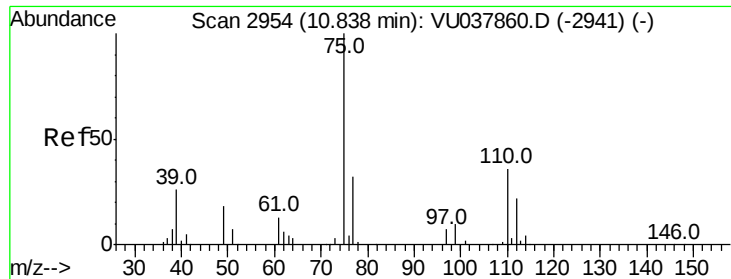
Ion Ratio Lower Upper

83 100

85 67.2 43.8 81.4

131 9.0 7.2 10.8

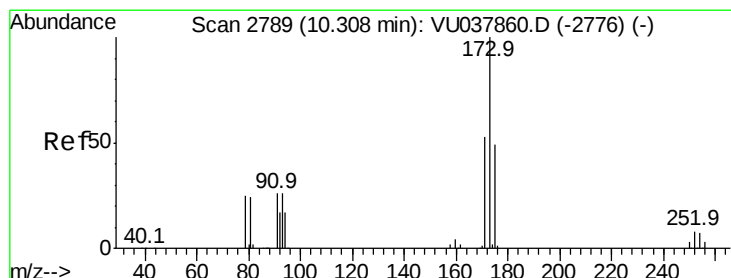
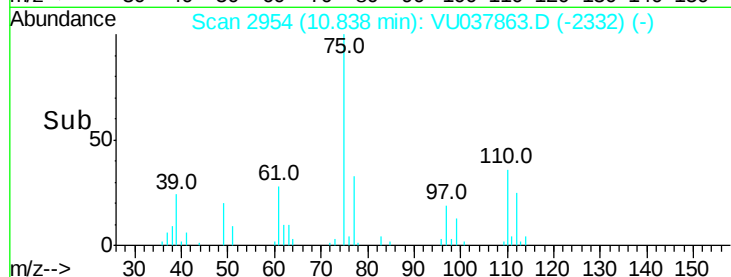
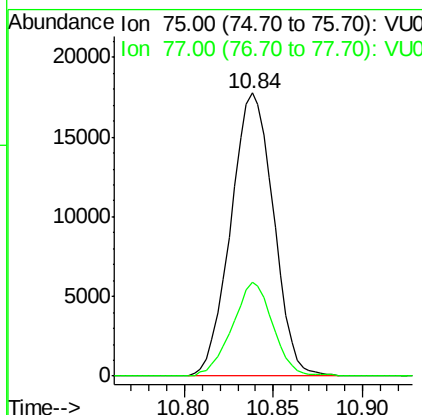
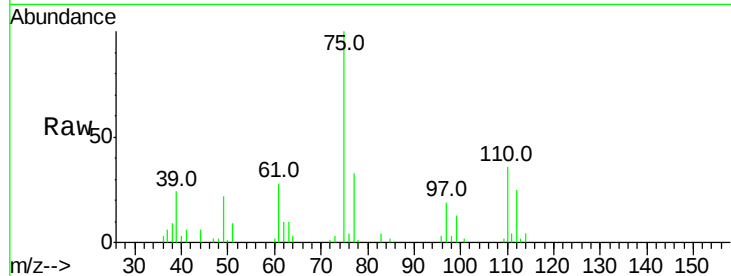




#59
 1,2,3-Trichloropropane
 Concen: 4.457 ug/L
 RT: 10.84 min Scan# 2954
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

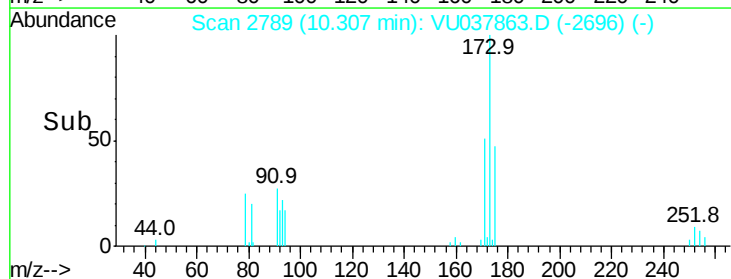
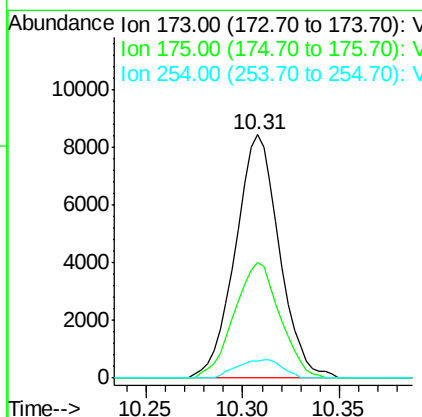
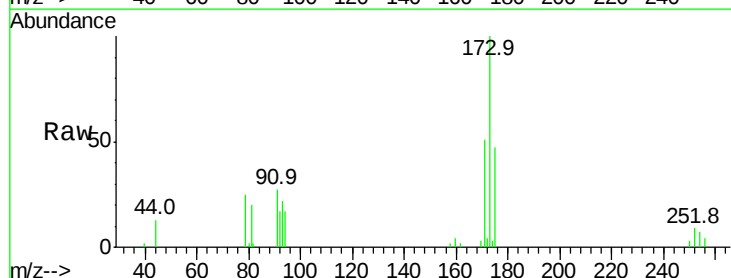
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

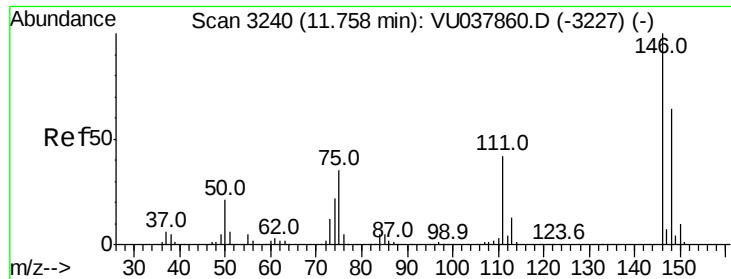
Tgt Ion: 75 Resp: 29572
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6



#61
 Bromoform
 Concen: 4.059 ug/L
 RT: 10.31 min Scan# 2789
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion: 173 Resp: 13378
 Ion Ratio Lower Upper
 173 100
 175 49.2 38.8 58.2
 254 7.7 5.8 8.8

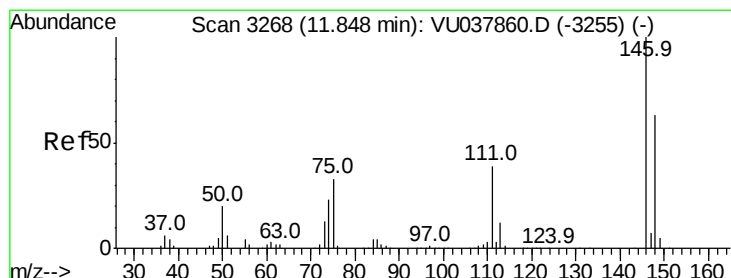
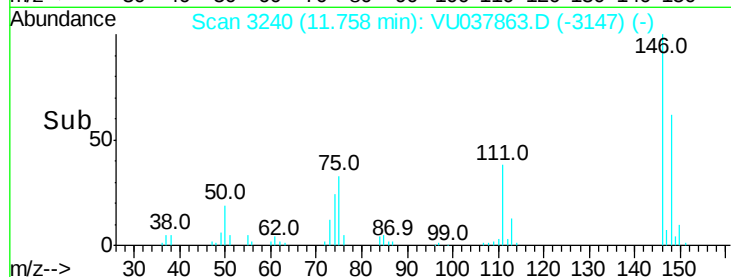
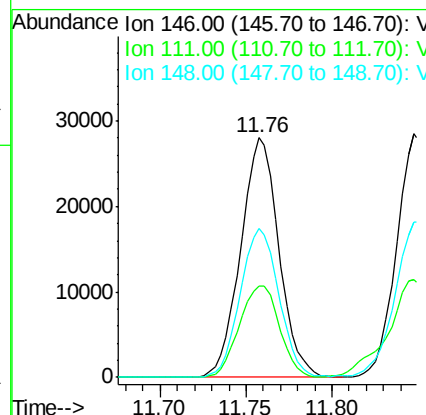
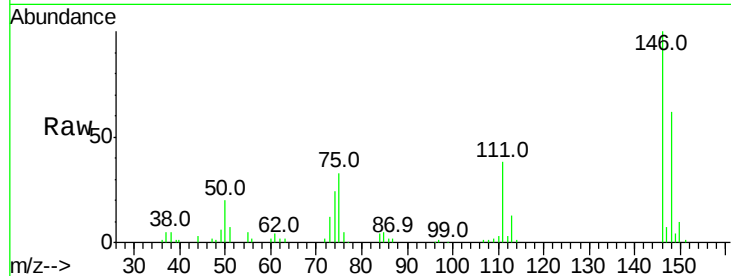




#62
 1,3-Dichlorobenzene
 Concen: 4.859 ug/L
 RT: 11.76 min Scan# 3240
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD00533

Tgt Ion:146 Resp: 43262
 Ion Ratio Lower Upper
 146 100
 111 38.1 29.0 53.9
 148 62.3 44.5 82.7



#63
 1,4-Dichlorobenzene
 Concen: 4.856 ug/L
 RT: 11.85 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: VU037863.D
 Acq: 23 Apr 2020 16:07

Tgt Ion:146 Resp: 43647
 Ion Ratio Lower Upper
 146 100
 111 40.3 27.2 50.4
 148 63.8 43.9 81.5

