

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003670.D
 Acq On : 07 Dec 2020 14:04
 Operator : SY/MD
 Sample : VY1207SBL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK427

Quant Time: Dec 08 00:45:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 08 00:43:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	247743	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	233431	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	114463	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	60550	23.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.84%
7) Chloroethane-d5	2.77	69	52172	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
11) 1,1-Dichloroethene-d2	3.86	63	100225	18.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.92%
21) 2-Butanone-d5	6.90	46	64282	51.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.72%
24) Chloroform-d	7.48	84	139635	25.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.24%
26) 1,2-Dichloroethane-d4	8.15	65	77756	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
32) Benzene-d6	8.12	84	298571	25.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.32%
36) 1,2-Dichloropropane-d6	9.12	67	92119	26.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.88%
41) Toluene-d8	10.18	98	268286	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	10.44	79	42378	25.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.64%
47) 2-Hexanone-d5	10.79	63	49514	49.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.62%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	79630	24.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.16%
66) 1,2-Dichlorobenzene-d4	13.73	152	103780	27.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.64%

Target Compounds

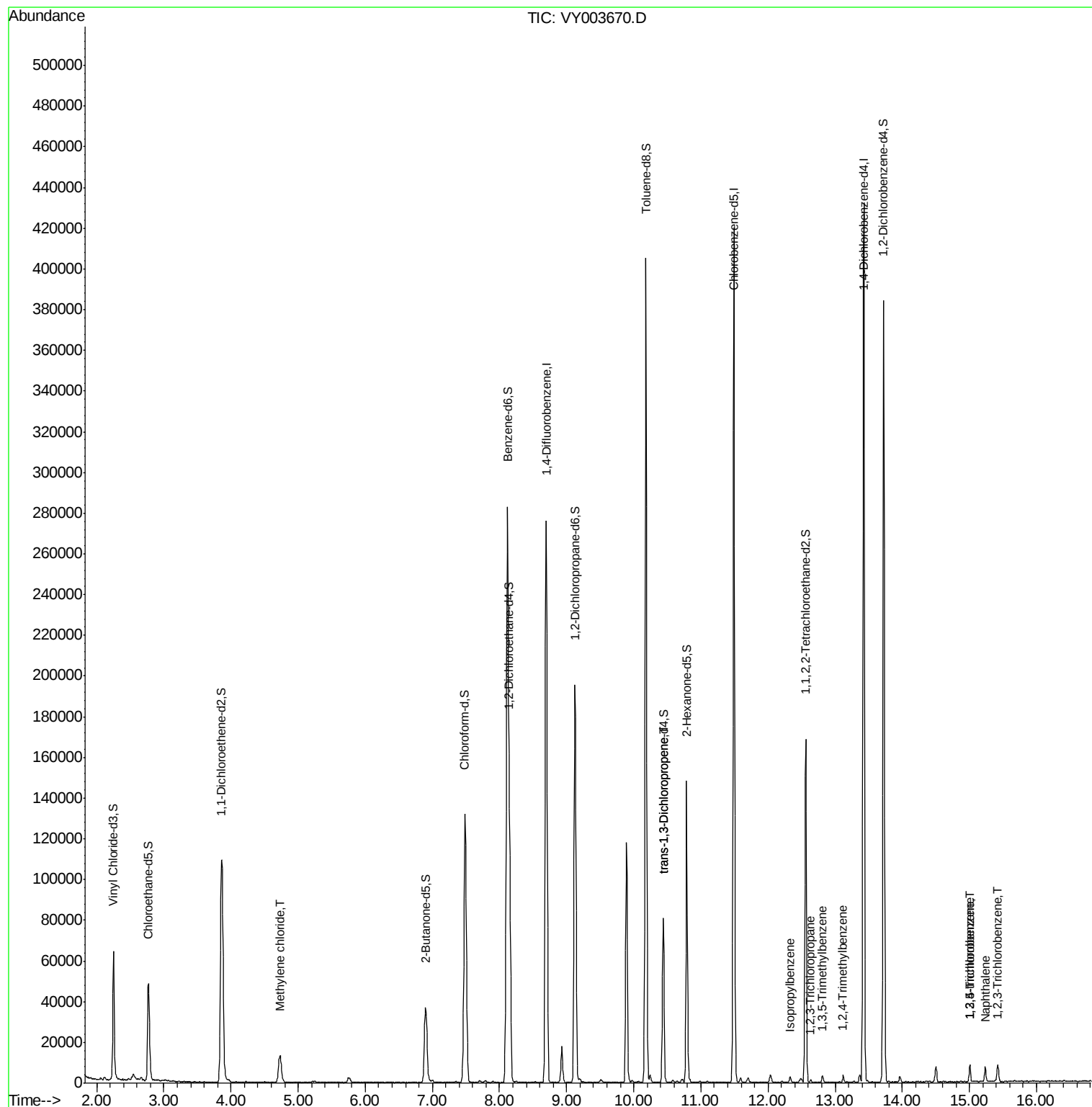
					Ovalue
16) Methylene chloride	4.73	84	10048	2.320 ug/L	93
44) trans-1,3-Dichloropropene	10.44	75	2512	0.518 ug/L	100
60) Isopropylbenzene	12.33	105	1684	0.121 ug/L #	93
61) 1,2,3-Trichloropropane	12.63	75	422	0.165 ug/L #	57
62) 1,3,5-Trimethylbenzene	12.82	105	1611	0.146 ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	1885	0.172 ug/L	96
69) 1,3,5-Trichlorobenzene	15.01	180	2653	0.555 ug/L	97
70) 1,2,4-trichlorobenzene	15.01	180	2653	0.653 ug/L	94
71) Naphthalene	15.24	128	6321	0.733 ug/L	94
72) 1,2,3-Trichlorobenzene	15.42	180	2838	0.761 ug/L	99

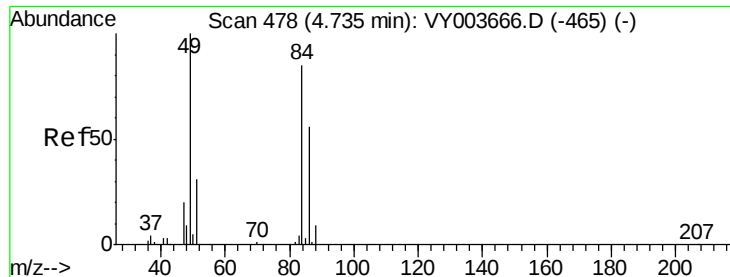
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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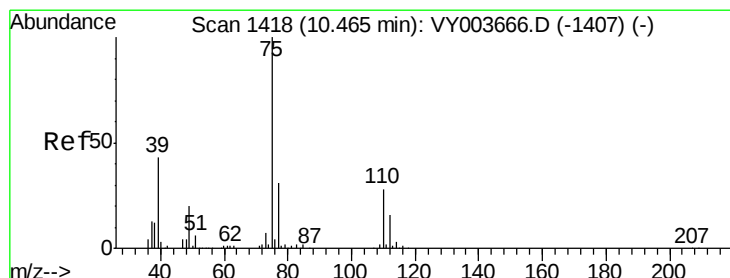
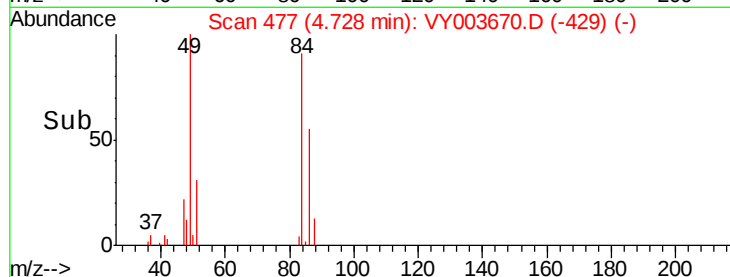
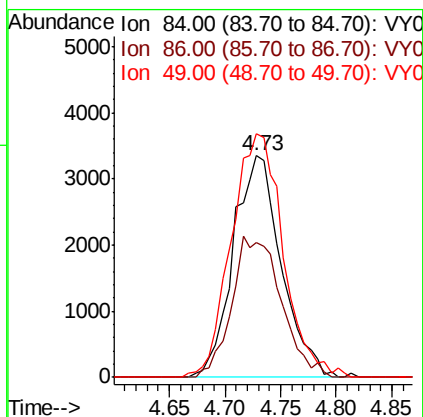
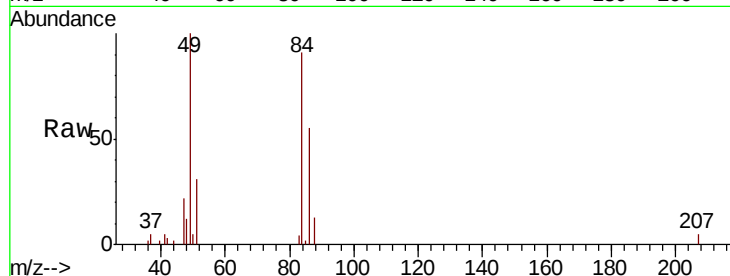




#16
Methylene chloride
Concen: 2.320 ug/L
RT: 4.73 min Scan# 477
Delta R.T. -0.01 min
Lab File: VY003670.D
Acq: 07 Dec 2020 14:04

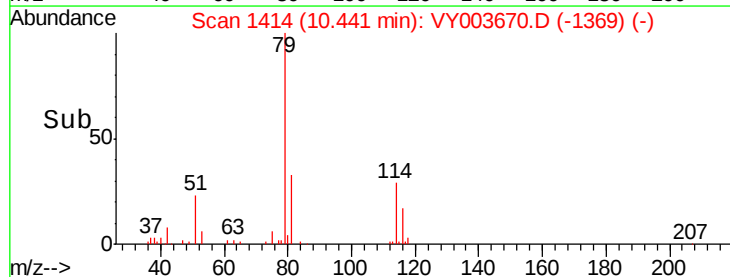
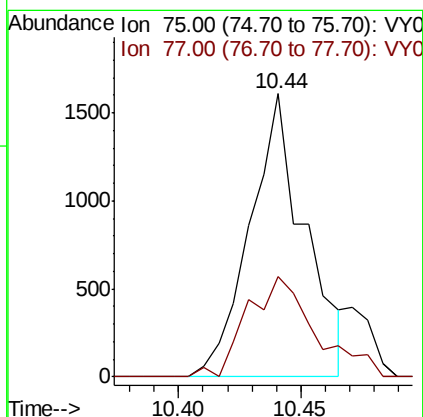
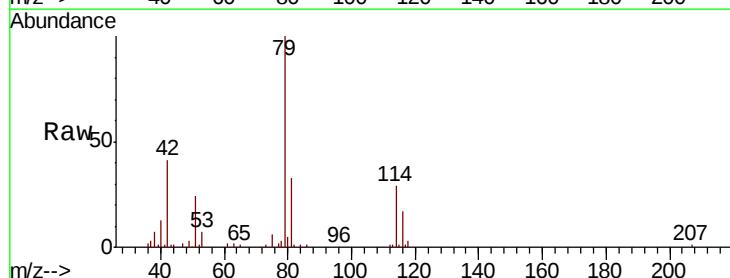
Instrument :
MSVOA_Y
ClientSampleId :
VBLK427

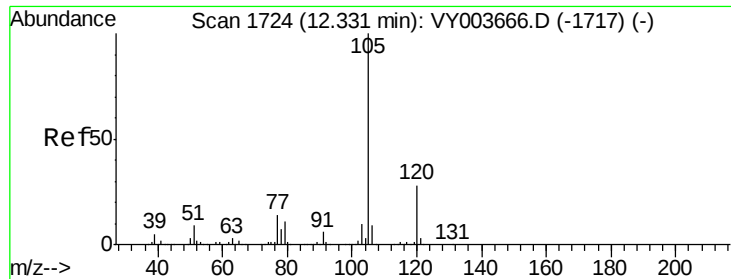
Tot Ion: 84 Resp: 10048
Ion Ratio Lower Upper
84 100
86 60.9 45.2 84.0
49 109.9 83.1 154.3



#44
trans-1,3-Dichloropropene
Concen: 0.518 ug/L
RT: 10.44 min Scan# 1414
Delta R.T. -0.02 min
Lab File: VY003670.D
Acq: 07 Dec 2020 14:04

Tgt Ion: 75 Resp: 2512
Ion Ratio Lower Upper
75 100
77 35.4 24.7 45.9





#60

Isopropylbenzene

Concen: 0.121 ug/L

RT: 12.33 min Scan# 1724

Delta R.T. -0.00 min

Lab File: VY003670.D

Acq: 07 Dec 2020 14:04

Instrument :

MSVOA_Y

ClientSampled :

VBLK427

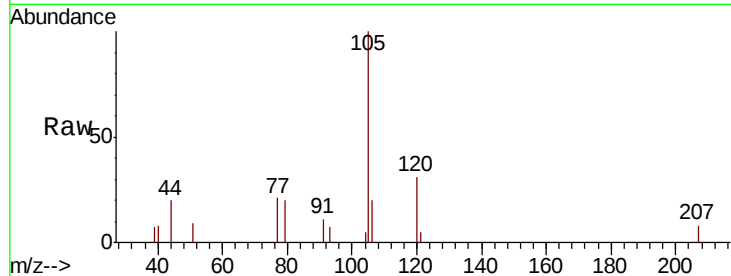
Tot Ion:105 Resp: 1684

Ion Ratio Lower Upper

105 100

120 27.3 22.6 33.8

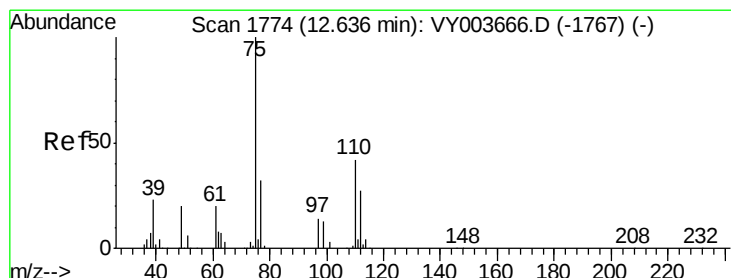
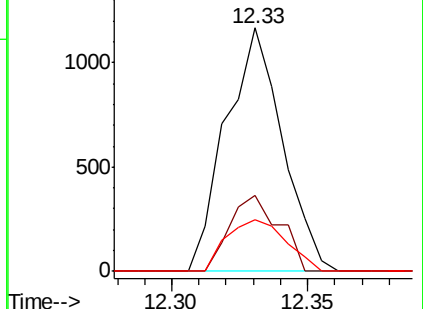
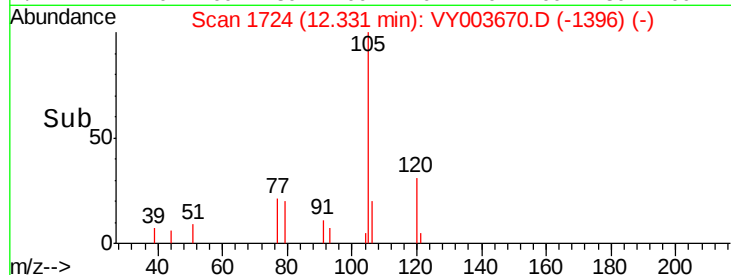
77 22.4 11.9 17.9#



Abundance Ion 105.00 (104.70 to 105.70): VY003670.D (-1396) (-)

Ion 120.00 (119.70 to 120.70): VY003670.D (-1396) (-)

Ion 77.00 (76.70 to 77.70): VY003670.D (-1396) (-)



#61

1,2,3-Trichloropropane

Concen: 0.165 ug/L

RT: 12.63 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VY003670.D

Acq: 07 Dec 2020 14:04

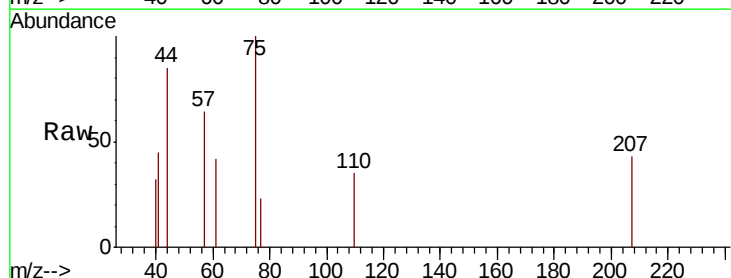
Tgt Ion: 75 Resp: 422

Ion Ratio Lower Upper

75 100

77 16.1 29.0 43.6#

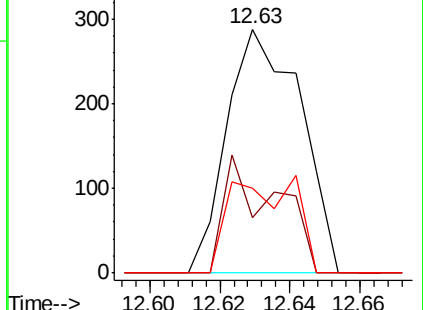
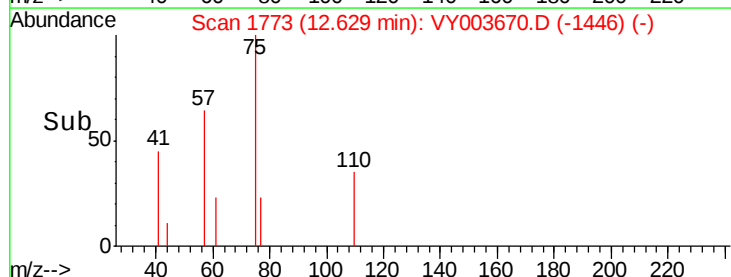
110 10.0 33.3 49.9#

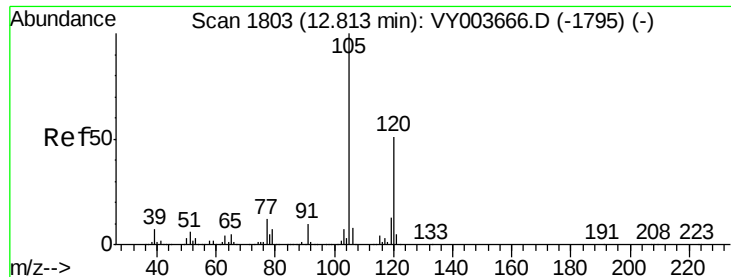


Abundance Ion 75.00 (74.70 to 75.70): VY003670.D (-1446) (-)

Ion 77.00 (76.70 to 77.70): VY003670.D (-1446) (-)

Ion 110.00 (109.70 to 110.70): VY003670.D (-1446) (-)





#62

1,3,5-Trimethylbenzene

Concen: 0.146 ug/L

RT: 12.82 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VY003670.D

Acq: 07 Dec 2020 14:04

Instrument :

MSVOA_Y

ClientSampleId :

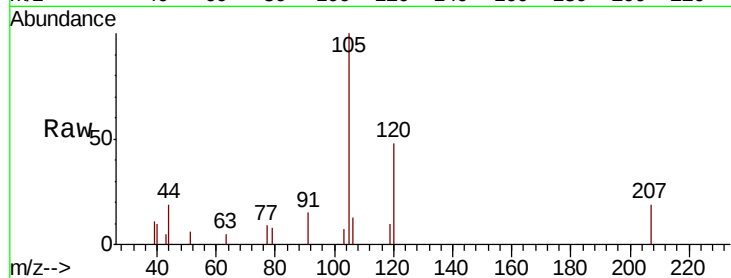
VBLK427

Tot Ion:105 Resp: 1611

Ion Ratio Lower Upper

105 100

120 54.5 42.2 63.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200

1000

800

600

400

200

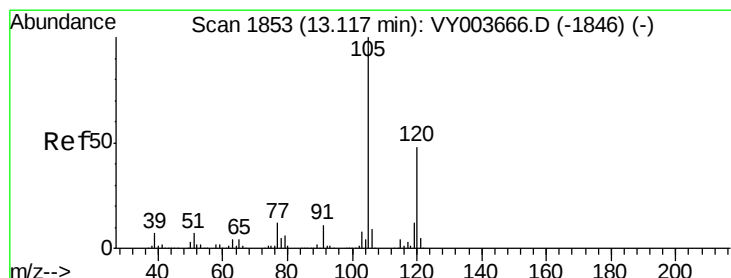
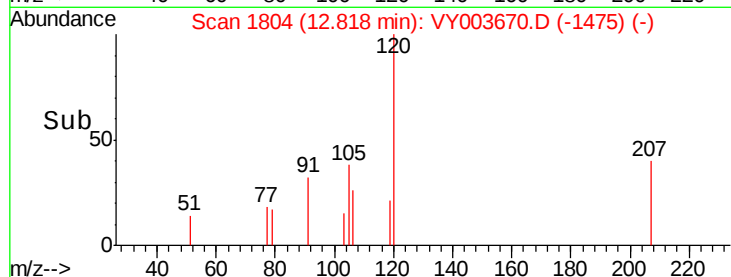
0

12.80

12.82

12.85

Time-->



#63

1,2,4-Trimethylbenzene

Concen: 0.172 ug/L

RT: 13.12 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VY003670.D

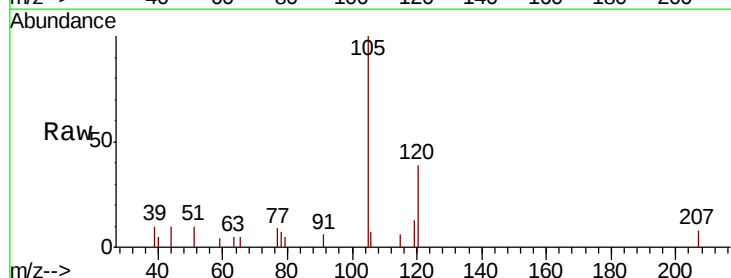
Acq: 07 Dec 2020 14:04

Tgt Ion:105 Resp: 1885

Ion Ratio Lower Upper

105 100

120 45.9 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500

1000

500

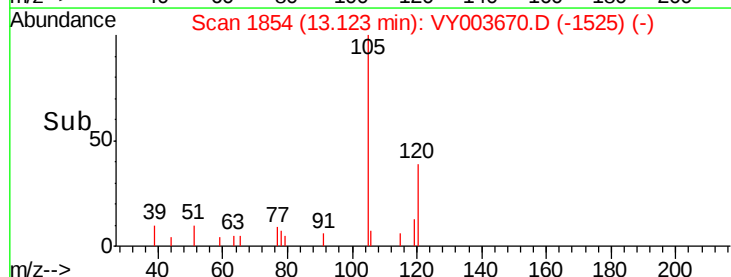
0

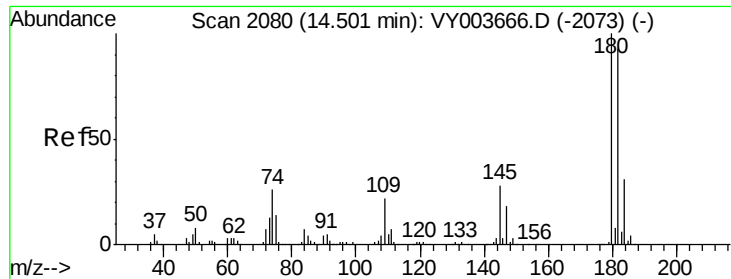
13.10

13.12

13.15

Time-->

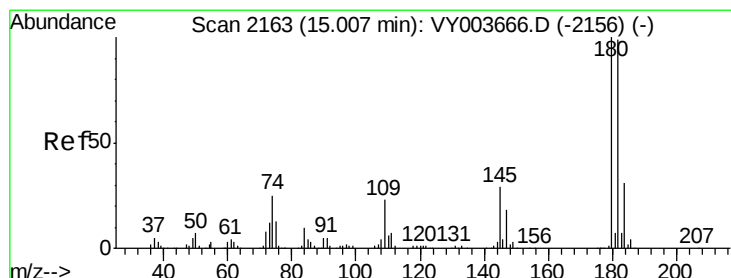
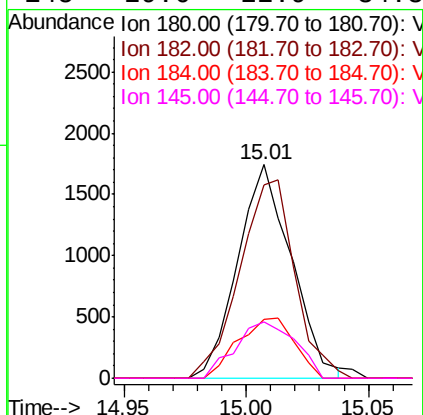
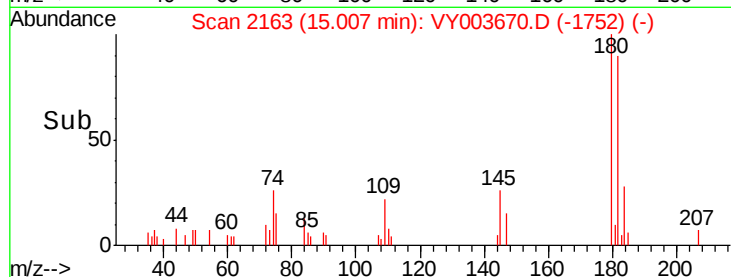
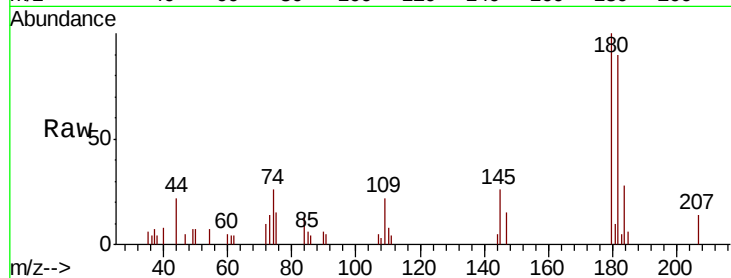




#69
 1,3,5-Trichlorobenzene
 Concen: 0.555 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. 0.51 min
 Lab File: VY003670.D
 Acq: 07 Dec 2020 14:04

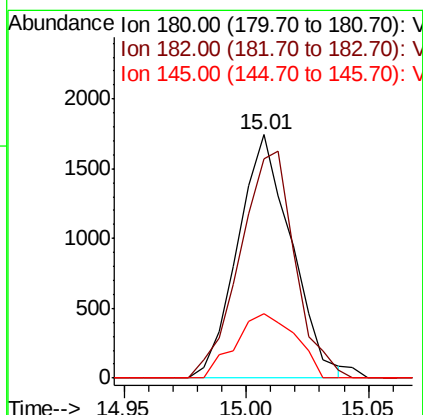
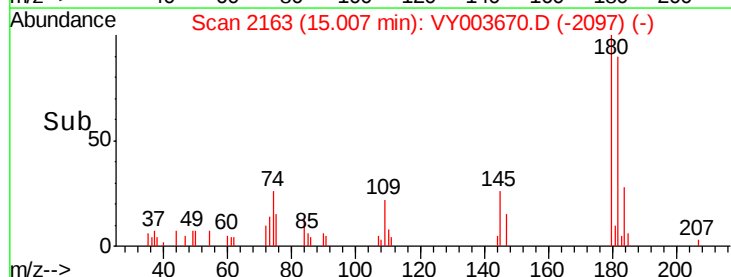
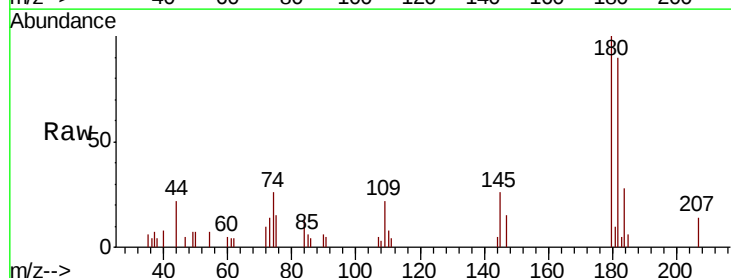
Instrument :
 MSVOA_Y
 ClientSampleId :
 VBLK427

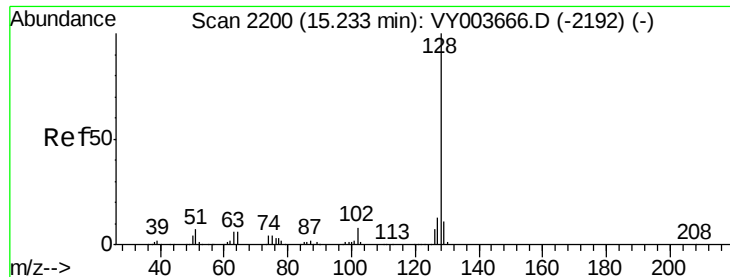
Tot Ion:180	Resp:	2653	
Ion Ratio	Lower	Upper	
180 100			
182 95.5	80.1	120.1	
184 29.7	24.4	36.6	
145 29.6	22.9	34.3	



#70
 1,2,4-trichlorobenzene
 Concen: 0.653 ug/L
 RT: 15.01 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VY003670.D
 Acq: 07 Dec 2020 14:04

Tgt Ion:180	Resp: 2653
Ion Ratio	Lower Upper
180 100	
182 95.5	81.5 122.3
145 29.6	22.3 33.5

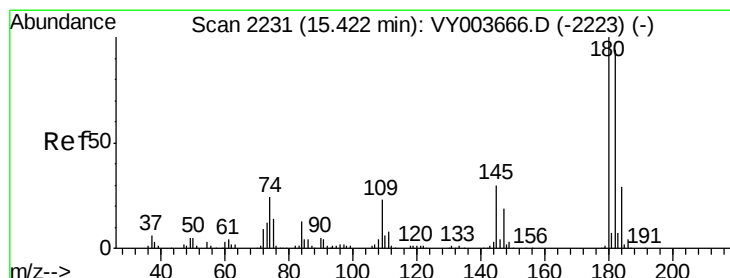
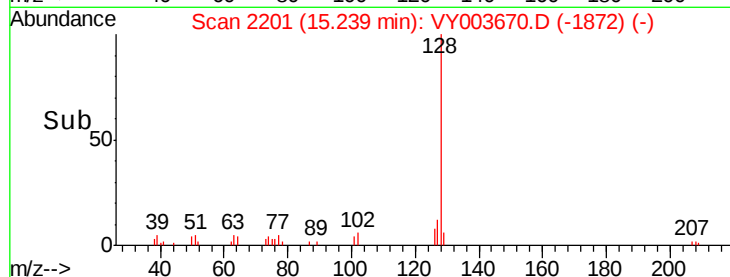
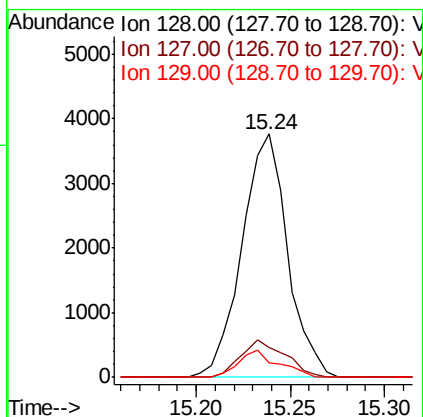
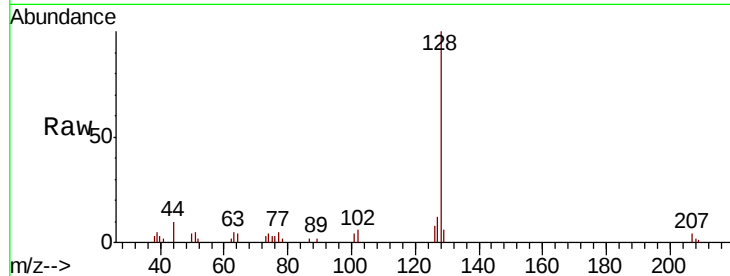




#71
Naphthalene
Concen: 0.733 ug/L
RT: 15.24 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VY003670.D
Acq: 07 Dec 2020 14:04

Instrument :
MSVOA_Y
ClientSampleId :
VBLK427

Tot Ion:128 Resp: 6321
Ion Ratio Lower Upper
128 100
127 15.1 10.2 15.4
129 9.6 9.4 14.0



#72
1,2,3-Trichlorobenzene
Concen: 0.761 ug/L
RT: 15.42 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VY003670.D
Acq: 07 Dec 2020 14:04

Tgt Ion:180 Resp: 2838
Ion Ratio Lower Upper
180 100
182 98.5 78.7 118.1
145 32.1 24.6 37.0

